



Final

2020

Program Environmental Impact Report

for the 2017 Facilities Master Plan

SCH No.: 2019070998

DUDEK



FINAL

**2020 Program Environmental Impact Report
Orange County Sanitation District
2017 Facilities Master Plan**

Prepared for:

Orange County Sanitation District

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DECEMBER 2020

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AQMD	Air Quality Management District
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
EIR	Environmental Impact Report
FMP	Facilities Master Plan
GHG	greenhouse gas
kV	kilovolt
MM	Mitigation Measure
NPDES	National Pollution Discharge Elimination System
OCFA	Orange County Fire Authority
OCTA	Orange County Transportation Authority
PCE	passenger-car equivalent
PCH	Pacific Coast Highway
PEIR	Program Environmental Impact Report
Plant 1	Reclamation Plant No. 1
Plant 2	Treatment Plant No. 2
Sanitation District	Orange County Sanitation District
SR	State Route

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1 Introduction

1.1 Introduction

This Final Program Environmental Impact Report (PEIR) assesses the potentially significant environmental effects of the Orange County Sanitation District (Sanitation District) Facilities Master Plan (FMP) (proposed FMP).

As described in the Draft PEIR, to ensure that the Sanitation District can reliably and efficiently process and treat wastewater flows into the future, the Sanitation District is proposing to implement its updated FMP, which will allow the upgrade, replacement, rehabilitation, and maintenance of existing facilities within the wastewater collection and treatment system. The FMP identifies a number of projects located throughout the Sanitation District's service area that would occur over the course of a 20-year planning period. A total of 75 projects are included in the PEIR and are categorized into three categories: (1) projects occurring at Reclamation Plant No. 1 in Fountain Valley (Plant 1); (2) projects occurring at Treatment Plant No. 2 in Huntington Beach (Plant 2); and (3) projects involving pipelines and pump stations occurring throughout the Sanitation District's service area.

The Sanitation District, its member agencies, and other state and local agencies will rely on the environmental impact analysis presented in this PEIR when issuing discretionary approvals associated with implementing projects under the FMP. In addition to Sanitation District approvals needed to initiate FMP projects, approvals from other agencies may be required for various projects in the program, including from the following:

- South Coast Air Quality Management District – Permit to construct, permit to operate, compliance with Rule 1403, handling of asbestos-containing materials, and other applicable rules
- County of Orange and U.S. Army Corp of Engineers – Permits to construct on properties owned by these agencies
- California Department of Public Health – Use Permit
- Regional Water Quality Control Board – Stormwater Pollution Prevention Plans and General Construction Permit
- City of Huntington Beach and Newport Beach – Coastal Development Permit
- Local construction/encroachment permits for work outside the Sanitation District's rights-of-way in the following jurisdictions:
 - City of Fountain Valley
 - City of Huntington Beach
 - City of Seal Beach
 - City of Newport Beach
 - City of Costa Mesa
 - City of Fullerton
 - City of La Habra
 - City of Anaheim
 - City of Orange
 - City of Westminster
 - City of Santa Ana
 - City of Tustin
 - City of Los Alamitos
 - City of Irvine
 - City of Buena Park
 - County of Orange
 - California Department of Transportation
 - Orange County Transportation Authority

Because of their potential need to issue permits or approvals on individual FMP projects, the agencies and land use jurisdictions listed above are considered responsible agencies in this PEIR, pursuant to Section 21069 of the California Public Resources Code.

As described in the California Environmental Quality Act (CEQA) and the CEQA Guidelines, public agencies are charged with the duty to avoid or substantially lessen significant environmental effects, with consideration of other conditions, including economic, social, technological, legal, and other benefits. As required by CEQA, this Final PEIR assesses the significant direct and indirect environmental effects of the proposed FMP, as well as the significant cumulative impacts that could occur from implementation of the proposed FMP. This Final PEIR is an informational document only, the purpose of which is to identify the significant effects of the proposed FMP on the environment; to indicate how those significant effects could be avoided or significantly lessened, including feasible mitigation measures; to identify any significant and unavoidable adverse impacts that cannot be mitigated to less than significant; and to identify reasonable and feasible alternatives to the proposed FMP that would avoid or substantially lessen any significant adverse environmental effects associated with the proposed FMP and achieve the fundamental objectives of the proposed FMP.

Before approving a project, CEQA requires the lead agency to prepare and certify a Final Environmental Impact Report (EIR). The contents of a Final EIR are specified in Section 15132 of the CEQA Guidelines, as follows:

The Final EIR shall consist of:

- (a) The Draft EIR or a revision of the Draft.
- (b) Comments and recommendations received on the Draft EIR either verbatim or in summary.
- (c) A list of persons, organizations, and public agencies commenting on the Draft EIR.
- (d) The responses of the lead agency to significant environmental points raised in the review and consultation process.
- (e) Any other information added by the lead agency.

The lead agency must provide each agency that commented on the Draft EIR with a copy of the lead agency's proposed response at least 10 days before certifying the Final EIR.

1.2 Contents and Organization of Final Environmental Impact Report

This Final PEIR will be used by the Sanitation District as an informational document for the proposed FMP. The Final PEIR, in compliance with Section 15132 of the CEQA Guidelines, is organized as follows:

Chapter 1, Introduction. This chapter provides general information on, and the procedural compliance of, the proposed FMP and the Final PEIR.

Chapter 2, Responses to Comments. This chapter includes a list of those who provided comments on the Draft PEIR during the public review period. This chapter also includes the comments received on environmental issues raised during the public review process for the Draft PEIR, and the Sanitation District's responses to these comments. Each comment is assigned a comment number that corresponds to a response number and response.

Chapter 3, Changes to the Draft Program Environmental Impact Report. This chapter contains a summary of changes made to the document since publication of the Draft PEIR as a result of comments received. Revisions were made to clarify information presented in the Draft PEIR; only minor technical changes or additions have been made. These changes and additions to the Draft PEIR do not raise important new issues related to significant effects on the environment, and are insignificant as the term is used in Section 15088.5(b) of the

CEQA Guidelines. This chapter describes the changes that were made and presents the textual changes made since public review of the Draft PEIR. Changes are signified by ~~strikeout~~ text (i.e., ~~strikeout~~) where text was removed, and by underline text (i.e., underline) where text was added.

Chapter 4, Mitigation Monitoring and Reporting Program. This chapter of the Final PEIR provides the Mitigation Monitoring and Reporting Program for the proposed FMP. The Mitigation Monitoring and Reporting Program is presented in table format and identifies mitigation measures for the proposed FMP, the party responsible for implementing each mitigation measure, the timing for implementing each mitigation measure, and the monitoring and reporting procedures for each mitigation measure.

1.3 California Environmental Quality Act Review

Pursuant to Section 15082 of the CEQA Guidelines, a Notice of Preparation dated July 25, 2019, was circulated to interested agencies, organizations, and individuals. The Notice of Preparation was also sent to the State Clearinghouse at the California Governor’s Office of Planning and Research. The State Clearinghouse assigned a state identification number (SCH No. 2019070998) to this PEIR.

The Sanitation District held two public scoping meetings during the Notice of Preparation review period to gather additional public input on the scope of the environmental document. The first public scoping meeting was held at the Plant 1 Board Room in Fountain Valley on August 12, 2019, and the second public scoping meeting was held at the Plant 2 Conference Room No. 1 in Huntington Beach on August 15, 2019. Both meetings were also open to web-based participation through GoToWebinars established by the Sanitation District. During the scoping meetings, the Sanitation District did not receive any substantive comments on the scope of the PEIR.

The 30-day public scoping period ended on August 23, 2019. Comments received during the 30-day public scoping period were considered during preparation of the Draft PEIR. Copies of the comment letters received in 2019 are provided in Appendix B of the Draft PEIR, and included comments from the following:

- South Coast Air Quality Management District
- California Department of Fish and Wildlife
- California Department of Transportation
- City of Fountain Valley
- City of Irvine
- Native American Heritage Commission
- Orange County Public Works Department

Comments from agencies focused on potential impacts and issues related to the project description, appendices, air quality, biological resources, tribal and cultural resources, energy, greenhouse gases, hydrology and water quality, land use and planning, and transportation. Issues, concerns, and potential impacts raised in comment letters received during the 2019 public scoping period were discussed and addressed in the Draft EIR, and no further response to these comments is needed in this Final PEIR.

A Notice of Availability of the Draft PEIR was sent to agencies and interested parties on September 2, 2020, and the Draft PEIR was circulated for a public review period from September 2, 2020, through October 16, 2020. The Sanitation District received nine comment letters during the 2020 public review period. A list of the comments received, copies of the comment letters received, and responses to comments are included in Chapter 2 of this Final PEIR. Chapter 2 will also be provided to public agencies and member of the public who commented on the Draft PEIR 10 days prior to the public hearing at which the Draft PEIR on the proposed FMP will be considered, per CEQA Guidelines Section 15088.

2 Responses to Comments

This chapter of the Final Program Environmental Impact Report (PEIR) includes a copy of all comment letters that were submitted during the public review period for the Draft PEIR for the proposed Orange County Sanitation District Facilities Master Plan (FMP), along with responses to those comments in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15088. The public review period for the Draft PEIR began on September 2, 2020, and ended on October 16, 2020.

Two public scoping meetings were held on August 12, 2019, and August 15, 2019. Comments received during the scoping meetings and in writing during the scoping period were responded to in the Draft PEIR (Appendix B, Notice of Preparation Comment Letters, of the Draft PEIR).

All written comment letters received on the Draft PEIR have been coded with a letter and number to facilitate identification and tracking (see Table 2-1). The comment letters were reviewed and divided into individual comments, with each comment containing a single theme, issue, or concern. Individual comments and the responses to them were assigned corresponding numbers (e.g., A1-1, A1-2, A1-3). Each comment letter is the submittal of an agency (A) or individual (I). To aid readers and commenters, electronically bracketed comment letters have been reproduced in this document, with the corresponding responses provided immediately following each comment letter. The interested parties listed in Table 2-1 submitted letters during the public review period for the Draft PEIR.

Table 2-1. Comments Received on the Draft Program EIR

Comment Letter Designation	Commenter	Date
Agencies		
A1	Orange County Fire Authority	October 7, 2020
A2	South Coast Air Quality Management District	October 15, 2020
A3	Orange County Fire Authority	October 15, 2020
A4	Caltrans (California Department of Transportation)	October 15, 2020
A5	Orange County Public Works	October 16, 2020
A6	City of Anaheim	October 16, 2020
A7	City of La Habra	October 15, 2020
Individuals		
I1	Chris Stratton	September 5, 2020
I2	Cliff Ranney	September 8, 2020

To finalize the PEIR for the proposed FMP, the following responses have been prepared for comments that were received during the public review period. These responses will be distributed to the public agency commenters as required by CEQA Guidelines Section 15088(b).

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Comment Letter A1



ORANGE COUNTY FIRE AUTHORITY
P. O. Box 57115, Irvine, CA 92619-7115 • 1 Fire Authority Road, Irvine, CA 92602-0125
Brian Fennessy, Fire Chief (714) 573-6000 www.ocfa.org

October 7, 2020

Orange County Sanitation District
Attn: Kevin Hadden, Principal Staff Analyst; CEQA@ocsd.com
10844 Ellis Ave
Fountain Valley, CA 92708

Ref: Program Environmental Impact Report for the Orange County Sanitation District Facilities Master Plan

Thank you for the opportunity to review the subject document. The Orange County Fire Authority (OCFA) is a Joint Powers Authority responsible for reducing loss of life and property from fire, medical, and environmental emergencies. The OCFA is a regional fire service agency that serves 23 cities in Orange County (County) and all unincorporated areas in the County. The OCFA protects over 1,930,385 residents from its 77 fire stations located throughout the County.

We would like to correct the subject document on the following details: As of 7/1/2020, The City of Placentia has established its own fire department. The table in the document showing Placentia as part of OCFA should be corrected and their fire agency should be able to comment to their own impact. That being said, OCFA no longer represents 24 cities, but 23 and the population served is now 1,930,385. In addition to these corrections OCFA requests that the OCFA Emergency Communications Center be notified if at any time during the project there is a possibility of impedance for emergency response

In addition, we would like to point out that all standard conditions with regard to development, including water supply, built in fire protection systems, road grades and width, access, building materials, and the like will be applied to this project at the time of plan submittal. Thank you for providing us with this information. Please contact me at 714-573-6199 if you have any questions.

Sincerely,
Tamera Rivers
Management Analyst
Strategic Service Section
tamyrivers@ocfa.org
714-573-6199

A1-1
A1-2
A1-3
A1-4

Serving the Cities of: Aliso Viejo • Buena Park • Cypress • Dana Point • Garden Grove • Irvine • Laguna Hills • Laguna Niguel • Laguna Woods
Lake Forest • La Palma • Los Alamitos • Mission Viejo • Rancho Santa Margarita • San Clemente • San Juan Capistrano • Santa Ana
Seal Beach • Stanton • Tustin • Villa Park • Westminster • Yorba Linda • and Unincorporated Areas of Orange County

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Response to Comment Letter A1

Orange County Fire Authority
Tamera Rivers, Management Analyst
October 7, 2020

A1-1 This comment introduces the Orange County Fire Authority (OCFA) and states the OCFA's role as a public safety agency. This comment is an introductory comment. No further response is required or necessary.

A1-2 This comment states that as of July 1, 2020, the City of Placentia has established its own fire department, and requests that the Draft PEIR be changed to reflect this recent organizational change. As such, Section 4.12, Public Services, of the Draft PEIR has been modified to remove the City of Placentia from the list of cities for which OCFA provides fire protection services, and the City of Placentia Fire Department has been listed as having its own fire jurisdiction over Placentia. The number of cities, number of stations, and population served by OCFA has also been updated. These changes have been made in Chapter 3, Changes to the Draft PEIR, of this Final PEIR.

Section 4.12, Public Services, of the Draft PEIR disclosed that the Facilities Master Plan's (FMP) impact with regard to fire protection services would primarily be associated with the potential disruption of emergency vehicle access, and Mitigation Measure (MM-)TRA-1 (Traffic Control Plans) would be required to reduce impacts to less than significant. The change in fire jurisdiction from OCFA to the City of Placentia Fire Department would not result in new impacts to fire protection services within Placentia, and the Orange County Sanitation District (Sanitation District) would coordinate with the City of Placentia if there were a potential for a disruption to emergency vehicle access, pursuant to MM-TRA-1. However, only two FMP projects would occur within Placentia, and both projects are air jumper rehabilitation projects that would not result in ground-disturbing activities, the closure of roadways within Placentia, or other effects that could potentially impact fire protection services. Should circumstances change, the Sanitation District will ensure that it coordinates with the City of Placentia and the City of Placentia Fire Department as applicable.

Additionally, the comment also states that the City of Placentia Fire Department should be able to comment regarding impacts to their agency. The City of Placentia was provided a copy of the Notice of Availability of the Draft PEIR, but no comments on the Draft PEIR were received.

A1-3 This comment requests that the Sanitation District notify the OCFA Emergency Communication Center if at any time during an FMP project there is a possibility of impedance for emergency response. The Sanitation District acknowledges OCFA's request and will ensure that the OCFA Emergency Communication Center is given ample notice prior to the commencement of work within public streets that will impede emergency vehicle access and are within OCFA's jurisdiction. Additionally, as discussed in Response to Comment A1-2, the Sanitation District would be required to implement MM-TRA-1 (Traffic Control Plans) to further reduce impacts to emergency vehicle access caused from potential lane closures that would take place during construction of FMP projects.

A1-4 This comment states that all standard conditions with regard to development, including water supply, built-in fire protection systems, road grades and width, access, building materials, and the like are applicable to the FMP projects at the time of plan submittal. The Sanitation District acknowledges this comment and notes that one of the FMP's objectives is to bring certain facilities into compliance with existing regulations, including applicable fire codes. The Sanitation District will ensure that coordination occurs with OCFA where applicable as FMP projects are implemented.

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Comment Letter A2



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA E-MAIL:

October 15, 2020

CEQA@ocsd.com

Kevin Hadden, Principal Staff Analyst
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

Draft Program Environmental Impact Report (Draft PEIR) for the Proposed Orange County Sanitation District Facilities Master Plan Project (SCH No.: 2019070998)

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. The following comments include recommended revisions to the air quality analysis and South Coast AQMD rules and permits that the Lead Agency should include a discussion of in the Final PEIR.

South Coast AQMD Staff's Summary of Project Description

The Lead Agency proposes to develop programs and strategies to guide maintenance, replacement, rehabilitation, and modification of wastewater treatment plants and pipelines with a planning horizon of 2040 (Proposed Project). The Proposed Project would be located at various sites throughout the 479-square-mile service area within Orange County, including Reclamation Plant No. 1 (Plant 1) and Treatment Plant No. 2 (Plant 2). As a comprehensive update to the 2017 Facilities Master Plan, the Proposed Project includes 75 Capital Improvement Program projects including 32 separate and eight joint facility improvement projects at Plant 1 and Plant 2, and 35 collection system improvement projects. Construction of the Proposed Project is assumed to take place over a 20-year period through 2040¹. Operation of the Proposed Project is not anticipated to result in additions of or appreciable changes to the existing operations and maintenance activities².

South Coast AQMD Staff's Summary of the CEQA Air Quality Analysis

In the Air Quality Analysis section of the Draft PEIR, the Lead Agency quantified the Proposed Project's maximum daily construction emissions from 30 project-level and 29 program-level projects that are representative of the 75 Capital Improvement Program projects that the Lead Agency envisions to take place over the 20-year period. Construction emissions were compared to South Coast AQMD's recommended regional and localized air quality CEQA significance thresholds. Based on the analyses, the Lead Agency found that the Proposed Project's combined maximum regional construction emissions for nitrogen oxide (NOx) from 30 project-level and 29 program-level projects would be 237 pounds per day (lbs/day)³. The combined maximum localized construction emissions for PM10 and PM2.5 at Plants 1 and 2 would also exceed the South Coast AQMD's localized CEQA significance thresholds⁴. The Lead Agency is committed

A2-1

¹ Draft EIR, Section 4.2 Air Quality, Pages 4.2-34 to 4.2-51.

² *Ibid.* Pages 4.2-52 to 4.2-53.

³ *Ibid.* Pages 4.2-51.

⁴ *Ibid.* Page 4.2-79.

Kevin Hadden

October 15, 2020

to implementing Mitigation Measure AQ-1 (MM-AQ-1), which requires the Proposed Project to use Tier 4 Final construction equipment with engines 50 horsepower (hp) or greater, if the Proposed Project is not exempt from this requirement⁵. With implementation of MM-AQ-1, the combined maximum regional NOx emissions would be reduced to be less than significant at 60 lbs/day⁶, and the combined maximum localized air quality impacts from PM10 and PM2.5 emissions would also be reduced to be less than significant⁷. The Lead Agency also found that the Proposed Project would not result in net new mobile or stationary source emissions during operation, and that the Proposed Project’s operational air quality impacts would be less than significant⁸. No mitigation measures for operation of the Proposed Project were included⁹. Furthermore, in the Draft PEIR, the Lead Agency discussed applicable South Coast AQMD Rules¹⁰ 401 – Visible Emissions¹¹, 402 – Nuisance¹², 403 – Fugitive Dust¹³, Rule 431.2 – Sulfur Content of Liquid Fuels¹⁴ and 1403 – Asbestos Emissions from Demolition/Renovation Activities¹⁵.

A2-1
Cont.

South Coast AQMD Staff Comment on Air Quality Mitigation Measure AQ-1

As stated above, MM-AQ-1 includes an exemption provision. The Proposed Project is required to use Tier 4 Final construction equipment with engines 50 hp or greater. However, if Tier 4 Final construction equipment is not reasonably available or if corresponding emission reductions can be achieved through other combinations of construction equipment¹⁶, the Proposed Project can be exempt from being required to use Tier 4 Final construction equipment.

According to the CalEEMod output files for the Proposed Project, the Lead Agency calculated the Proposed Project’s mitigated construction emissions based on the use of Tier 4 Final construction equipment with no exemption provision. This is not appropriate. The Lead Agency likely over-estimated the Proposed Project’s construction NOx emissions that can be mitigated by relying on emission reductions from Tier 4 Final construction equipment when the Proposed Project can be exempt from being required to use such equipment. Therefore, to be consistent with the MM-AQ-1 requirement and the exemption provision, the Lead Agency should recalculate the Proposed Project’s mitigated construction emissions based on the use of a lower tier construction equipment such as Tier 4 Interim or Tier 3 in the Final PEIR.

A2-2

⁵ Draft EIR, Executive Summary, Page 1-7.

⁶ Draft EIR, Section 4.2 Air Quality, Page 4.2-70.

⁷ *Ibid.*, Page 4.2-84.

⁸ *Ibid.*, Page 4.2-29.

⁹ *Ibid.*, Pages 4.2-52 to 4.2-53.

¹⁰ *Ibid.*, Pages 4.2-12 to 4.2-13.

¹¹ South Coast AQMD Rule 402 – Nuisance. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-401.pdf>

¹² South Coast AQMD Rule 402 – Nuisance. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf>

¹³ South Coast AQMD Rule 403 – Fugitive Dust. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf>

¹⁴ South Coast AQMD Rule 431.2 – Sulfur Content of Liquid Fuels. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-431-2.pdf>

¹⁵ South Coast AQMD Rule 1403 – Asbestos Emissions from Demolition/Renovation Activities. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1403.pdf>

¹⁶ Draft EIR, Executive Summary, Page 1-7.

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Responsible Agency, South Coast AQMD Rules, and Permits

In addition to South Coast AQMD Rules 401, 402, 403, 431.2, and 1403, the Proposed Project may be subject to the requirements of the following South Coast AQMD rules and regulations, which the Lead Agency should discuss in the Final PEIR. Information on each of the rules and regulations is available on South Coast AQMD’s website at: <https://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book>.

- Rule 201 – Permit to Construct
- Rule 203 – Permit to Operate
- Rule 1166 – Volatile Organic Compound Emissions from Decontamination of Soil
- Regulation XIII – New Source Review
- Rule 1401 – New Source Review of Toxic Air Contaminants
- Regulation XXX – Title V Permits

In the Draft PEIR, the Lead Agency identified South Coast AQMD as a Responsible Agency for the Proposed Project since implementation will require permits from South Coast AQMD¹⁷. However, at the time of the release of the Draft PEIR, South Coast AQMD has not received permit applications related to the Proposed Project. Since the Proposed Project may include the modifications to existing equipment, new equipment or air pollutant control systems, and new or replacement engines, the Proposed Project may be required to submit complete and timely permit applications to South Coast AQMD for the following equipment:

- Applications for Permit to Construct and Permit to Operate will be required for changes to sewage treatment plant(s) that go beyond identical replacement.
- Applications for Permit to Construct and Permit to Operate will be required for any proposed new or reconstructed odor control scrubber systems (e.g. the “Primary Scrubber Rehabilitation Project” at Plant 1, and the “Trickling Filter Solids-Contact Odor Control” project at Plant 2).
- Applications for Permit to Construct and Permit to Operate will be required for any proposed new odor control units within the collection system/pump stations/lift stations not exempted by South Coast AQMD Rule 219.
- Applications for Permit to Construct and Permit to Operate will be required for any proposed chemical storage tanks not exempted by South Coast AQMD Rule 219.
- Applications for Permit to Construct and Permit to Operate will be required for engines powering the pumps at the pump station, if the engines are rated above 50 brake horsepower (BHP) (e.g. the Plant 1 “Standby Generator Feeders for Plant 1 Secondary Systems” project, which proposes the removal of two existing engines and replacement with 4 larger engines; the “Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation” project, which mentions demolition of an existing engine; and, various project that add utility and electrical buildings, which may include back-up power).

It is important to note that the assumptions in the air quality analysis in the Final PEIR will be used as the basis for evaluating the permits under CEQA and imposing permit conditions and

A2-3

¹⁷ Draft EIR. Introduction. Pages 2-7.

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limits. Question on permits should be directed to South Coast AQMD’s Engineering and Permitting staff at (909) 396-3385.

↑ A2-3
↑ Cont.

Conclusion

Pursuant to California Public Resources Code Section 21092.5(a) and CEQA Guidelines Section 15088(b), South Coast AQMD staff requests that the Lead Agency provide South Coast AQMD staff with written responses to all comments contained herein prior to the certification of the Final PEIR. In addition, issues raised in the comments should be addressed in detail giving reasons why specific comments and suggestions are not accepted. There should be good faith, reasoned analysis in response. Conclusory statements unsupported by factual information will not suffice (CEQA Guidelines Section 15088(c)). Conclusory statements do not facilitate the purpose and goal of CEQA on public disclosure and are not meaningful, informative, or useful to decision makers and to the public who are interested in the Proposed Project.

↑
A2-4
↓

South Coast AQMD staff is available to work with the Lead Agency to address any air quality questions that may arise from this comment letter. Please contact Alina Mullins, Air Quality Specialist, at amullins@aqmd.gov if you have questions or wish to discuss the comments.

Sincerely,
Lijin Sun
Lijin Sun, J.D.
Program Supervisor, CEQA IGR
Planning, Rule Development & Area Sources

LS:AM/AS
ORC200903-04
Control Number

Response to Comment Letter A2

South Coast Air Quality Management District
Lijin Sun, J.D., Program Supervisor
October 15, 2020

A2-1 This comment provides an introduction to the comments to follow and summarizes the project description and air quality analysis as presented in the Draft PEIR. This comment does not specifically raise an issue pertinent to the content or adequacy of the Draft PEIR, and no further response is required or necessary.

A2-2 This comment is regarding the exemption provision included in Mitigation Measure (MM-)AQ-1, and recommends estimating emissions assuming a lower-tier construction equipment such as Tier 4 interim or Tier 3. To clarify the requirements of MM-AQ-1, MM-AQ-1 does include an exemption provision, but for an exemption to be granted, additional requirements must first be met that will ensure emissions beyond that assessed in the Draft PEIR would not occur. An exemption from this requirement may be granted if (1) the Orange County Sanitation District (Sanitation District) documents equipment with Tier 4 Final engines are not reasonably available, and (2) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Specifically, the construction contractor shall demonstrate that at least two construction fleet owners/operators in Orange County were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within Orange County during the desired construction schedule. In addition, the proposed replacement equipment must be evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emissions estimation method and documentation must be provided to the Sanitation District to confirm that Facilities Master Plan (FMP) project-generated emissions do not exceed applicable South Coast Air Quality Management District (SCAQMD) mass daily thresholds, the applicable SCAQMD localized significance thresholds, or the SCAQMD carcinogenic (cancer) risk threshold. Importantly, the exemption cannot be granted unless it is demonstrated that the required corresponding reductions in emissions can be achieved for the project from other combinations of construction equipment and the FMP project-generated emissions do not exceed the thresholds for which MM-AQ-1 applies.

Implementation of MM-AQ-1 would reduce multiple potential impacts identified in Section 4.2, Air Quality, of the Draft PEIR, including the potential for the FMP to result in a cumulatively considerable net increase of any criteria pollutant for which the FMP region is non-attainment under an applicable federal or state ambient air quality standard, because the FMP would exceed the SCAQMD's construction oxides of nitrogen (NO_x) threshold of 100 pounds per day in 11 of the 20 years of FMP construction prior to mitigation. In addition, MM-AQ-1 addresses the potential impact related to the FMP's potential to expose sensitive receptors to substantial pollutant concentrations, specifically (a) the localized significance thresholds analysis where on-site particulate matter (PM₁₀ and PM_{2.5}) emissions would exceed the applicable localized significance thresholds in some construction years prior to mitigation, and (2) the construction Health Risk Assessment (HRA) where unmitigated emissions would exceed the SCAQMD's cancer risk threshold of 10 in 1 million prior to mitigation. In summary, MM-AQ-1 is intended to reduce potential impacts related to NO_x, PM₁₀ (including exhaust PM₁₀, which is a surrogate for diesel particulate matter), and PM_{2.5}. As presented in Section 4.2, Air Quality, of the Draft PEIR, all potential air quality impacts were reduced to less than significant with implementation of MM-AQ-1.

In response to the SCAQMD’s recommendation of using Tier 4 Interim or Tier 3, instead of Tier 4 Final, Tier 4 Final is the only tier level that would address all potential impacts identified in Section 4.2, Air Quality, of the Draft PEIR, and summarized in the above paragraph. First, Tier 3 focuses on reducing NO_x emissions, but it does not reduce PM₁₀ or PM_{2.5} compared to Tier 2; therefore, Tier 3 would not reduce the potential localized significance thresholds or HRA impacts associated with PM₁₀ and PM_{2.5}, and would not be appropriately applied. Second, when going from Tier 4 Interim to Tier 4 Final, NO_x continues to reduce for almost all horsepower bins, and in some bins substantially; however, when going from Tier 4 Interim to Tier 4 Final, PM₁₀ and PM_{2.5} only reduce for the very low and the very high horsepower bins (25 to 74 horsepower bin and 751 to 2,000 horsepower bin, respectively). The vast majority of equipment anticipated to be used during FMP project construction, and consistent with CalEEMod assumptions, are pieces of equipment within the middle horsepower bins (75 to 750 horsepower, but specifically within the fleet horsepower range of 9 to 415 horsepower; however, MM-AQ-1 only applies to equipment over 50 horsepower); therefore, Tier 4 Interim and Tier 4 Final requirements are the same for the majority of construction equipment, and would not result in a substantial difference from the emissions presented in the Draft PEIR. Based on the above considerations, no changes to the Draft PEIR are necessary.

A2-3

This comment lists additional SCAQMD rules and regulations not included in Draft PEIR Section 4.2, Air Quality, that may apply to implementation of the FMP projects, as well as potential SCAQMD permit applications resulting from FMP implementation. Thank you for your comments regarding potential SCAQMD permits needed. These are noted by the Sanitation District. All SCAQMD rules and regulations noted in the comment letter, including Rule 201, Rule 203, Rule 1166, Regulation XIII, Rule 1401, and Regulation XXX – Title V Permits, have been added to Section 4.2, Air Quality, in Section 4.2.2, Relevant Plans, Policies, and Ordinances, of the Draft PEIR, as reflected in this Final PEIR (see Appendix A of this Final PEIR). Regarding the potential for SCAQMD permits, at the time the Draft PEIR was published, no permits to construct, permits to operate, or other permits were anticipated as part of the FMP. However, upon additional review, the Sanitation District identified that the existing temporary emergency diesel-fueled generator at the Seal Beach pump station would be replaced with a permanent diesel-fueled emergency generator. The permanent emergency generator would require a permit from the SCAQMD because it would be greater than 50 horsepower. As a result, the Draft PEIR was revised to evaluate the potential operational impacts related to testing and maintenance of the emergency generator including criteria air pollutant emissions, toxic air contaminant emissions, greenhouse gas emissions, and energy consumption impacts. In addition, the HRA provided in Appendix D of the Draft PEIR was revised to include an operational HRA for the testing and maintenance of the permanent diesel-fueled emergency generator. Note that based on existing practice, pump station emergency generators are typically tested for approximately 6 hours per year; however, for annual emission calculations, the emergency generator was assumed to operate up to 50 hours per year for maintenance and testing, consistent with SCAQMD Rule 1470. Please see revised Section 4.2, Air Quality; Section 4.5, Energy; Section 4.7, Greenhouse Gas Emissions; and Appendix D, which includes an updated HRA, included in their totality, in Appendix A of this Final PEIR for ease of review. All other pump stations and the FMP projects listed by the SCAQMD in the comment letter were reviewed, and no other anticipated new SCAQMD permits were identified. In addition, there may be applications for modifications to existing permits associated with the FMP; however, none were identified at this time that would result in a net increase in emissions. The Sanitation District is committed to continuing to work with the SCAQMD in a timely fashion to secure the necessary permits.

A2-4 This comment is a concluding comment in which it is requested that the Sanitation District provide the SCAQMD with written responses to all comments provided. The Sanitation District will provide responses to comments to the SCAQMD, as well as all other public agency commenters, pursuant to California Environmental Quality Act Guidelines Section 15088(b). The comment is noted and no further response is necessary.

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Comment Letter A3



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October 15, 2020

Mr. Kevin Hadden
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

Subject: **Notice of Availability of a Program Environmental Impact Report for the Orange County Sanitation District Facilities Management Plan**

Dear Mr. Hadden,

Thank you for providing the Orange County Transportation Authority (OCTA) with the Notice of Availability (NOA) of a Program Environmental Impact Report (PEIR) for the Orange County Sanitation District Facilities Management Plan (Project). The following comment is provided for your consideration:

- In the PEIR, Section 4.13.1 "Existing Conditions", Page 4.13-3, Greenville Street is described as a two- to four-lane divided and undivided roadway with a two-way left-turn lane between Warner Avenue and Alton Avenue. Please note that the City of Santa Ana is proposing to update their General Plan, which includes designating Greenville Avenue as a Divided Collector/Collector on their Circulation Element. The City of Santa Ana has plans for an active transportation project on Greenville Avenue between Edinger Avenue and Segerstrom Avenue, which would restripe the roadway to two lanes and incorporate bicycle facilities. Please update the PEIR and coordinate with the City of Santa Ana as appropriate.

Throughout the development of this project, we encourage communication with OCTA on any matters discussed herein. If you have any questions or comments, please contact me at (714) 560-5907 or at dphu@octa.net.

Sincerely,

Dan Phu
Manager, Environmental Programs

Orange County Transportation Authority
550 South Main Street / P.O. Box 14184 / Orange / California 92863-1584 / (714) 560-OCTA (6282)

A3-1
A3-2
A3-3

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Response to Comment Letter A3

Orange County Transportation Authority
Dan Phu, Manger, Environmental Programs
October 15, 2020

A3-1 This comment is an introduction by the Orange County Transportation Authority (OCTA) to comments to follow. No further response is required or necessary.

A3-2 This comment states that the City of Santa Ana is proposing to update its General Plan, which includes designating Greenville Avenue as a Divided Collector/Collector on its Circulation Element. The comment also states that the City of Santa Ana has plans for an active transportation project on Greenville Street between Edinger Avenue and Segerstrom Avenue, which would restripe the roadway to two lanes and incorporate bicycle facilities. Lastly, the comment requests that the Draft PEIR be updated to reflect the proposed changes to the City of Santa Ana’s General Plan, and that the Orange County Sanitation District (Sanitation District) coordinate with the City of Santa Ana as appropriate.

The Draft PEIR described Greenville Street as a two- to four-lane divided and undivided roadway with a two-way left-turn lane between Warner Avenue and Alton Avenue, consistent with the existing conditions. In light of the information provided by OCTA, the Draft PEIR has been revised to reflect the improvements to Greenville Street that are contemplated in the City of Santa Ana’s Draft General Plan Update (City of Santa Ana 2020). This change has been made in Chapter 3, Changes to the Draft PEIR, of this Final PEIR.

Facilities Master Plan (FMP) project X-083, Greenville-Sullivan Sewer Upsize, would directly affect Greenville Street, including between Edinger Avenue and Segerstrom Avenue. FMP project X-083 would involve replacement and upsizing of approximately 16,000 linear feet of 24-inch-diameter sewer line to 27-inch-diameter sewer line. Construction is expected to commence in 2025 and end in 2027. If approved, the City of Santa Ana’s proposed plans and improvements to Greenville Street would not change the transportation analyses conducted within Section 4.13, Transportation, of the Draft PEIR. This is because transportation impacts were determined to primarily relate to temporary construction-related trips to and from FMP project sites, and because these construction trips would only occur during construction of project X-083, it would not impact the ultimate plans of affected roadways. Pursuant to mitigation measure (MM-)TRA-1, the Sanitation District will be required to coordinate with the City of Santa Ana for review and approval of project X-083’s engineering drawings and specifications prior to initiation of construction. Therefore, MM-TRA-1 would ensure that the Sanitation District coordinates with the City of Santa Ana to avoid any potential conflicts between FMP project X-083 and the City of Santa Ana’s planned improvements to Greenville Street.

A3-3 This comment encourages the Sanitation District to communicate with OCTA on any matters discussed within OCTA’s letter. The Sanitation District will coordinate with OCTA, as well as any other potentially affected agency, throughout implementation of the FMP, as necessary.

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Comment Letter A4

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY

GAVIN NEWSOM, Governor

DEPARTMENT OF TRANSPORTATION

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www.dot.ca.gov/caltrans-near-me/district12



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a California Way of Life.

October 15, 2020

Mr. Adam Nazaroff
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

File: IGR/CEQA
SCH#: 2019070998
IGR LOG# 2019-01459
SR 1, PM 21.989
I-405, PM 12.621
SR 1, SR 39, SR 55, SR 73,
SR 90, SR 91, I-405 - Various

Dear Mr. Nazaroff:

Thank you for including the California Department of Transportation (Caltrans) in the review of the Orange County Sanitation District (OCSD) Facilities Master Plan (FMP) Project Initial Study and Draft Program Environmental Impact Report dated September 2020. This project will allow OCSD to upgrade, replace, rehabilitate, and maintain existing facilities within their wastewater collection and treatment system to ensure that the Sanitation District can reliably and efficiently process and treat wastewater flows into the future. The FMP identifies individual projects located throughout the Sanitation District's service area that would occur over the course of a 20-year planning period. Projects can be generally categorized into three categories: (1) projects occurring at Reclamation Plant No. 1 in Fountain Valley; (2) projects occurring at Treatment Plant No. 2 in Huntington Beach; and (3) projects involving pipelines and pump stations occurring throughout the Sanitation District's service area.

A4-1

The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. Caltrans is a responsible agency on this project and has the following comments:

- 1. Our previous comments in the attached Caltrans letter dated August 23, 2019 still apply.

A4-2

Traffic Operations

- 2. According to the FMP, several locations of the proposed project will have

A4-3

"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability"

Mr. Nazaroff
 10/15/2020
 Page 2

significant transportation impacts, including lane or shoulder closures, therefore, a Traffic Management Plan (TMP) and a Construction Traffic Control Plan (TCP) is required for Caltrans review, comment, and approval prior to any construction activity during Encroachment Permit Process.

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 A4-3
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3. Caltrans project, 12-0J340, to widen SR-55 on both directions from I-405 to I-5 is scheduled to begin construction in December 2021 and will continue until 2024. Project 12-0J340 is within the limits of OCSD Project 7-66. Therefore, OCSD coordination with Caltrans Project is required to avoid any potential construction impacts and closures.

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 A4-4

4. It is anticipated that a large percentage of workers, vendor trucks and haul trucks will utilize the intersection of PCH and Brookhurst during the construction of Plant 2. Please submit to Caltrans a study for peak hour level of service and queuing summary for the intersection of SR-1 and Brookhurst (like study at Brookhurst and Banning Street) to demonstrate that no mitigation measure is needed as a result of this project.

↑
 A4-5

Design

5. The previous comments submitted in comment letter dated August 23, 2019 remain in effect for the ongoing I-405 widening project which begins at around Bristol Street and ends at the LA county line in the City of Seal Beach. This project is scheduled to be completed in late 2023. OCSD is required to coordinate its work with Caltrans I-405 widening project, especially, work for Plant # 1 and Plant #2 in the City of Fountain Valley because these two projects are directly within or adjacent to the ongoing I-405 widening project limits.

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 A4-6

6. OCSD is to coordinate and cooperate with the I-405 project team in the event of an overlap in the schedule of the two projects. As with other future OCSD projects included in the report that are within the vicinity of the I-405 as a whole, OCSD is to observe, notify and cooperate with Caltrans on all aspects and to take all precautionary measures to protect the integrity of the freeway system and the traveling public within the state highway system.

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 A4-7

“Provide a safe, sustainable, integrated and efficient transportation system to enhance California’s economy and livability”

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Page 3

Active Transportation

7. Previous comments in our comment letter dated August 23, 2019 still apply. Please ensure that the Traffic Management Plan includes consideration for the safety and mobility of bicyclists on all roadways during construction. Bicyclists are legally allowed to ride on any roadway, except where signage indicates otherwise, regardless of whether there is a designated bike facility on that road.

A4-8

Storm Water Compliance-NPDES

8. The Draft EIR included discussions that construction activities that take place under this master plan would follow the NPDES Construction General Permit as well as the local municipal NPDES permits. This includes implementing BMPs during construction to protect water quality from storm water and non-storm water discharges. These similar requirements would be required when OCSD would apply for an encroachment permit for work within Caltrans Right of Way (ROW).

A4-9

Hydraulics

9. Previous comments in our comment letter dated August 23, 2019 still apply. Please see the attached letter.

A4-10

Encroachment Permit

10. Encroachment Permit applications must be made before any construction work commences in Caltrans ROW. All construction in Caltrans ROW must conform to Caltrans policies, procedures, and standards and proposed designs must be submitted to Caltrans for review and comment for compliance.

A4-11

11. Any project work proposed within Caltrans ROW requires an Encroachment Permit and all environmental concerns must be addressed. If the environmental documentation for the project does not meet Caltrans requirements, additional documentation would be required before approval of the Encroachment Permit. For application forms and specific details on Caltrans Encroachment Permits procedure,

A4-12

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please refer to Encroachment Permits Manual. The latest edition of the Manual is available on: <http://www.dot.ca.gov/trafficops/ep/apps.html>.

↑ A4-12
| Cont.

Please continue to coordinate with Caltrans for any future developments that could potentially impact State transportation facilities. If you have any questions, please do not hesitate to contact Maryam Molavi, at (657) 328-6280 or Maryam.Molavi@dot.ca.gov.

| A4-13

Sincerely,



Scott Shelley
Branch Chief, Regional-IGR-Transit Planning
District 12

Enclosure:
Caltrans Comment letter dated August 23, 2019

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DEPARTMENT OF TRANSPORTATION

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Making Conservation
a California Way of Life.

August 23, 2019

Mr. Adam Nazaroff
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

File: IGR/CEQA
SCH#: 2019070998
IGR LOG # 2019-01187
SR 1, PM 21.989
I-405, PM 12.621
SR 1, SR 39, SR 55, SR 73,
SR 90, SR 91, I-405 - Various

Dear Mr. Nazaroff,

Thank you for including the California Department of Transportation (Caltrans) in the review of the Orange County Sanitation District (OCSD) Facilities Master Plan Project Initial Study. This project will allow OCSD to upgrade, replace, rehabilitate, and maintain existing facilities within their wastewater collection and treatment system. The Facilities Master Plan identifies individual projects located throughout the OCSD service area that would occur over the course of a 20-year planning period. Projects can be generally categorized into three categories: (1) projects occurring at Reclamation Plant No. 1 in Fountain Valley; (2) projects occurring at Treatment Plant No. 2 in Huntington Beach; and (3) projects involving pipelines and pump stations occurring throughout the OCSD service area.

The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. Caltrans is a responsible agency on this project and has the following comments:

Traffic Operations

1. Please coordinate with Caltrans to synchronize construction schedules with Caltrans projects taking place in the vicinity.

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A4-14

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SR 1

2. A number of OCSD facilities including Treatment Plant 2, Seal Beach Pump Station, Bitter Point Pump Station, Lido Pump Station, 15th Street Pump Station, Rocky Point Pump Station are in close proximity of SR-1 PCH. PCH is a busy commuter route and is heavily used by tourists in summer. Mitigation measures for the increased traffic during construction needs to be reviewed by Caltrans. Temporary lane closures, if needed, also need to be reviewed by Caltrans. Caltrans project 12-0P680 with limit SR-1 PM 13.0-33.7 is scheduled to be in construction from approximately 2021 to 2024 project; project 12-0R4100 with limit SR-1 PM 17.4-21.5 is scheduled to be in construction from approximately 2022 to 2024. The OCSD project will require coordination with Caltrans projects, especially in regards to potential construction activity closures.
3. Applicant is to submit the Construction Traffic Control Plan (TCP) and Transportation Management Planning (TMP) for further review during an Encroachment Permit Process, if required.

SR 39, SR 90

4. Any lane or shoulder closures proposed with the projects in the Caltrans rights-of-way (ROW) on Route 39 and 90, will require a Transportation Management Plan to be prepared and approved by Caltrans.

SR 55

5. Any lane or shoulder closures proposed with the projects in the Caltrans ROW will require a Transportation Management Plan to be prepared and approved by Caltrans. Also, any construction work proposed within the Caltrans (ROW)-should meet or exceed current Caltrans Standards and Specifications. There is a Caltrans project, 12-0J340, that is scheduled to be in construction from approximately 2020 to 2023 within the limits of the OCSD 7-66 project. The OCSD project will require coordination with the Caltrans project especially in regards to potential construction activity closures.

SR 73

6. Any lane or shoulder closures proposed with the projects in the Caltrans ROW will require a Transportation Management Plan to be prepared and approved by Caltrans. Also, any construction work proposed within the Caltrans ROW should meet or exceed current Caltrans Standards and Specifications.

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A4-14
Cont.

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SR 91

- 7. Please submit the Transportation Management Plans and Traffic Control Plans for review during the encroachment permit process, if required.

I-405

- 8. Several significant impacts for transportation are listed in the Master Plan. Please provide a traffic impact study to determine the appropriate mitigation measures needed for the traffic impacts related to the project.

Design

- 9. Permittee shall adhere to standards expressed in the Caltrans Highway Design Manual and Encroachment Permits Manual. Excavation must include positive identification of high priority utilities in accordance with the Caltrans ROW manual. Any pedestrian facilities within Caltrans ROW that are impacted must be restored to meet ADA standards in accordance to Design Information Bulletin (DIB) 82-06.

I-405

- 10. Project X-076 (OCSD Reclamation Plan No. 1): This project would start construction around October 2023, which is around the same time the I-405 Widening Project (Ea 0H10010) would be completed. This project will likely not conflict with the I-405 Widening Project. There will be work within the existing sewer pipe underneath I-405, but no disruption to freeway traffic is anticipated. OCSD and its contractor shall take precautions not to undermine the sewer pipe during construction that would affect the integrity of I-405 above the trunk sewer.
- 11. Project 3-68 Los Alamitos Sub-Trunk Extension: This project will start construction around March 2034, which will be far after the I-405 Widening Project completion. Due to the complexity of the bore and jack method, please coordinate with Caltrans during construction to avoid potential operational disruptions on I-405.
- 12. Project 7-65 Gisler-Red Hill Interceptor Rehabilitation project: This project is to begin construction on September 2022, which might overlap with the 2023 completion of the I-405 Widening Project. The work on this pipe is mainly relining the pipe using the cured-in-place method. There will be work on the pipe under I-405, but no disruption to traffic on I-405 is anticipated. Again, OCSD and its contractor are to take every precaution when working underneath Caltrans ROW.

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Cont.

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13. Project 7-67 Main Street P5 Force Main Rehabilitation: There are rehab works on 800 feet of the 30-inch VCP pipe and 6,000 feet of the dual 42-inch forcemain pipe. The rehab includes pump replacement and supporting piping. Work on the pipe could possibly take place under I-405 during the pipe replacement operation. OCSD and its contractor are to take every precaution not to disrupt moving traffic on the I-405 freeway during their construction operations. This project begin construction in March 2022 and completes on May 2023. The project is located outside of the I-405 Widening project and will not conflict with its construction operations.

Hydraulics

For all OCSD projects taking place on Caltrans ROW, the following hydrology guidelines shall be adhered to:

- 14. No diversion flow shall be allowed,
- 15. Change to the existing grading, drainage pattern, swale/ ditch, etc. shall not be allowed,
- 16. The existing flow pattern shall be maintained,
- 17. Discharging groundwater to storm drains during earthwork such as excavation will not be allowed,
- 18. All existing drainage facilities should be protected during construction,
- 19. Caltrans Utility Branch should review and make comments on this Proposal, and
- 20. Final construction plans need to be reviewed and approved by hydraulics branch during Encroachment Permit Process.

A4-14
Cont.

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8/23/2019
Page 5

Active Transportation

21. Many of the proposed project locations have Class I, II, and III bicycle facilities near or adjacent to the site, including regionally significant trails and corridors like the Santa Ana River Trail and Pacific Coast Highway. There are also sidewalks, crosswalks, transit stops, and schools near many of the project locations. During construction, please ensure that appropriate detours and safety measures are in place that prioritize the mobility, access, and safety of bicyclists, pedestrians, and transit users. If sidewalks, bike lanes, or transit stops need to be closed during construction, please ensure that closures and detours are clearly signed.

22. For bike lane closures, we recommend the use of "May Use Full Lane" (MUTCD R4-11) signage rather than "Share the Road" (W16-1P) signage to more clearly indicate to both drivers and bicyclists that bicyclists may ride in the center of the traffic lane while the bike lane is closed. Should access to the Santa Ana River Trail be disrupted, please ensure that there are sufficient notifications prior to closures.

Stormwater Compliance

For all OCSD projects taking place on Caltrans ROW, the following stormwater guidelines shall be adhered to:

23. At the time of construction, treatment BMPs may be constructed within Caltrans ROW that may be in conflict with construction activities. Activities must be conducted as to not negatively affect the structure or function of the treatment BMPs. Before commencement of work, Caltrans NPDES Unit must be consulted.

24. Caltrans storm drains must be protected so that they don't receive runoff or nuisance waters related to the construction activities.

25. Post-project, there shall be no commingling of surface waters with Caltrans runoff. If offsite drainage will be discharged to Caltrans ROW, a WQMP or similar shall be submitted for Caltrans review showing that offsite runoff will be treated prior to entering Caltrans ROW.

26. If dewatering is anticipated, dewatering activities must be conducted outside Caltrans ROW.

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A4-14
Cont.

Mr. Adam Nazaroff
8/23/2019
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Encroachment Permits

27. Any project work proposed within Caltrans right-of-way requires an Encroachment Permit and all environmental concerns must be addressed. If the environmental documentation for the project does not meet Caltrans requirements, additional documentation would be required before approval of the Encroachment Permit. For application forms and specific details on Caltrans Encroachment Permits procedure, please refer to Encroachment Permits Manual. The latest edition of the Manual is available on: <http://www.dot.ca.gov/trafficops/ep/apps.html>.

Please continue to coordinate with Caltrans for any future developments that could potentially impact State transportation facilities. If you have any questions, please do not hesitate to contact Matthew Fluhmann, at (657) 328-6310 or Matthew.Fluhmann@dot.ca.gov.

Sincerely,



Scott Shelley
Branch Chief, Regional-IGR-Transit Planning
District 12



A4-14
Cont.

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Response to Comment Letter A4

Caltrans (California Department of Transportation)
Scott Shelley, District 12 Branch Chief, Regional-IGR-Transit Planning
October 15, 2020

- A4-1** This comment introduces the California Department of Transportation (Caltrans), states the agency's role, and provides a summary of the proposed Facilities Master Plan (FMP). This comment does not raise an issue pertinent to the content or adequacy of the Draft PEIR, and no further response is required or necessary.
- A4-2** This comment states that Caltrans' previous comments in the attached Caltrans letter dated August 23, 2019, submitted during the scoping period, still apply. This comment is noted. The comments in the August 23, 2019, letter have been addressed in both the Draft PEIR and throughout this response to comments.
- A4-3** This comment summarizes the Draft PEIR's analysis that several FMP projects will result in potentially significant transportation impacts, including lane or shoulder closures, and thus, a Traffic Management Plan and a Construction Traffic Control Plan is required for Caltrans review, comment, and approval prior to any construction activity during the encroachment permit process. This comment is noted. As discussed in Section 4.13, Transportation, of the Draft PEIR, mitigation measure MM-TRA-1 will be required to reduce potentially significant transportation impacts to a less-than-significant level. Per MM-TRA-1, the Orange County Sanitation District (Sanitation District) will be required to develop and submit a Traffic Management Plan and a Construction Traffic Control Plan to Caltrans for review, comment, and approval prior to the initiation of any construction activity within a Caltrans right-of-way.
- A4-4** This comment states that coordination between the Sanitation District and Caltrans would be required for FMP project 7-66, which is in the vicinity of Caltrans project 12-OJ340. This comment is noted. Given that a portion of FMP project 7-66 would be located directly underneath State Route (SR) 55, the Sanitation District will ensure that it coordinates with Caltrans regarding this project.
- A4-5** This comment states that it is anticipated that a large percentage of workers, vendor trucks, and haul trucks will use the intersection of Pacific Coast Highway (PCH) and Brookhurst during FMP construction activities at Plant 2. Additionally, it is requested within the comment that the Sanitation District submit a study for peak-hour level of service and queuing for the intersection of PCH (similar to the study at Brookhurst and Banning Street) to demonstrate that no additional mitigation is needed to address potential traffic impacts at this intersection. Per Table 4.13-2, Peak Period Trip Generation – Plant 2 and Joint Plant Improvements, in Section 4.13, Transportation, of the Draft PEIR, the highest daily trip generation to/from Plant 2 during the FMP construction activities at Plant 2 would be 149 daily trips in passenger-car equivalents (PCE), which takes into account truck traffic, 48 AM peak-hour PCE trips, and 48 PM peak-hour PCE trips. A majority of these trips would be generated for construction purposes, and as individual FMP projects are completed, those trips would be removed from the street network. Based on experience from previous projects, the majority of construction-related traffic would originate, and be destined to, Interstate 405 to the north of Plant 2, rather than PCH. Assuming a conservative distribution of 20% of construction traffic on PCH to/from Plant 2, FMP trip generation estimates would be 30 daily PCE trips, 10 AM peak-hour PCE trips, and 10 PM peak-hour PCE trips. Based on existing (2017) AM and PM peak-hour traffic volumes at the Brookhurst Street/PCH intersection (City of Huntington Beach General Plan Circulation Element 2017), the peak-hour contribution of peak FMP

construction activities through the intersection would be less than 1% during both peak hours (0.2% during AM peak hour and 0.2% during PM peak hour). The FMP's traffic contribution of 0.2% to the intersection during both peak hours would not have a measurable impact to traffic operations (levels of service and queuing) at the intersection. Therefore, no additional mitigation measures would be required. Furthermore, as of July 1, 2020, Senate Bill (SB) 743 requires that transportation impacts be determined using the vehicle miles traveled metric instead of the level of service metric.

- A4-6** This comment states that the Sanitation District is required to coordinate its work with Caltrans regarding the ongoing Interstate 405 widening project (as stated within the previous Caltrans letter dated August 23, 2019). This comment is noted. The Sanitation District fully intends to and will coordinate with Caltrans regarding FMP project construction activities, as applicable.
- A4-7** See response to comment A4-6.
- A4-8** This comment states that a Traffic Management Plan must include consideration for the safety and mobility of bicyclists on all roadways during construction because bicyclists are legally allowed to ride on any roadway, except where signage indicates otherwise, regardless of whether there is a designated bike facility on that road. This comment is noted. Per MM-TRA-1, the Sanitation District will be required to develop and submit a Traffic Management Plan and a Construction Traffic Control Plan to Caltrans for review, comment, and approval prior to the initiation of any construction activity within a Caltrans right-of-way. The Sanitation District will ensure that the Traffic Management Plan considers the safety and mobility of bicyclists and pedestrians during construction.
- A4-9** This comment summarizes the Draft PEIR's analysis that construction activities would be required to comply with the requirements of the National Pollution Discharge Elimination System (NPDES) Construction General Permit and local municipal NPDES permits. These requirements include, among other things, implementing best management practices during construction to protect water quality from stormwater and non-stormwater discharges. The comment states that similar requirements would be required of the Sanitation District when it requests an encroachment permit for work within a Caltrans right-of-way. This comment is noted. As discussed in Section 4.9, Hydrology and Water Quality, of the Draft PEIR, the Sanitation District will comply with the requirements of the NPDES Construction General Permit and other local municipal NPDES permits and will implement best management practices during construction to protect water quality from stormwater and non-stormwater discharges. The Sanitation District will ensure that the best management practices are detailed when requesting an encroachment permit from Caltrans.
- A4-10** This comment references the comments regarding hydraulics in the comment letter dated August 23, 2019, and states that those comments still apply. The comments referenced are hydrology guidelines that pertain to drainage patterns, discharges, and review of construction plans by Caltrans. The Sanitation District will follow these hydrology guidelines and submit FMP project plans to Caltrans as necessary, in accordance with MM-TRA-1.
- A4-11** This comment states that encroachment permit applications must be made before any construction work commences in a Caltrans right-of-way. All construction in a Caltrans right-of-way must conform to Caltrans policies, procedures, and standards, and proposed designs must be submitted to Caltrans for review and comment for compliance. This comment is noted. The Sanitation District intends to obtain an encroachment permit as necessary. Additionally, when FMP project construction activities encroach on a Caltrans right-of-way, the Sanitation District will submit all project plans to Caltrans for review and comment (as also required by MM-TRA-1).

- A4-12** This comment states that any work requiring a Caltrans encroachment permit must have the adequate environmental documentation prior to issuance of the encroachment permit. This comment is noted. The Sanitation District will comply with CEQA's requirements, as applicable.
- A4-13** This comment requests that the Sanitation District coordinate with Caltrans for future developments that could potentially affect state transportation facilities. The Sanitation District will ensure that it coordinates with Caltrans throughout the life of the FMP.
- A4-14** This comment is the Caltrans letter dated August 23, 2019, submitted by Caltrans during the FMP's scoping period. The comment letter details construction and planning requirements by which the Sanitation District would be required to comply, and requests that the Sanitation District coordinate with Caltrans. The Sanitation District will ensure that it coordinates with Caltrans throughout the life of the FMP and complies with all Caltrans requirements.

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Comment Letter A5



October 16, 2020

NCL-20-0016

Kevin Hadden
Principal Staff Analyst
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, California 92708

Subject: Orange County Sanitation District Facilities Master Plan

Dear Kevin:

The County of Orange has reviewed the proposed Notice of Availability of a Program Environmental Impact Report for the Orange County Sanitation District Facilities Master Plan and has no comments at this time. We would like to be advised of further developments on the project. Please continue to keep us on the distribution list for future notifications related to the project.

A5-1

If you have any questions, please contact Steven Giang at (714) 667-8816 in OC Development Services.

Sincerely,

Richard Vuong, Interim Deputy Director
OC Public Works Service Area/OC Development Services
601 North Ross Street
Santa Ana, California 92701
Richard.Vuong@ocpw.ocgov.com



County Administration South
601 North Ross Street
Santa Ana, California 92701

P.O. Box 4048
Santa Ana, CA 92702-4048

info@ocpw.ocgov.com

(714) 667-8800

OCPublicWorks.com

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Response to Comment Letter A5

Orange County Public Works
Richard Vuong, Interim Deputy Director
OC Public Works Service Area/OC Development Services Department
October 16, 2020

- A5-1** This comment states that the County of Orange has reviewed the Facilities Master Plan's (FMP) Notice of Availability and has no comments at this time. The County of Orange requests to be advised of further developments on the FMP. The Orange County Sanitation District thanks the County of Orange for its review of the Draft PEIR and will ensure that it will coordinate with the County of Orange throughout FMP project implementation, as applicable.

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Comment Letter A6



City of Anaheim
PLANNING AND BUILDING DEPARTMENT

October 16, 2020

Kevin Hadden
Principal Staff Analyst
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, California 92708

by email to:
CEQA@ocsd.com

Subject: Notice of Availability of a Program Environmental Impact Report (EIR) for the Orange County Sanitation District Facilities Master Plan

Dear Mr. Hadden:

Thank you for the opportunity to review and comment on the Notice of Availability of a Program Environmental Impact Report (EIR) for the Orange County Sanitation District Facilities Master Plan document. The City of Anaheim staff offers the following comments:

A6-1

Public Works Department: Traffic Engineering Division:

Please contact Neelam Dorman at 714-765-4957 or NDorman@anaheim.net with questions pertaining to these comments. The City of Anaheim is open to discuss the traffic items in more detail to assist in resolving these comments.

A6-2

Draft PEIR Comments:

- Right of Way Construction Permit (RCP) – All work within the right-of way will require a Right-of-Way Construction Permit. All work shall be in accordance with the applicable sections of Standard Specifications for Public Works Construction, City of Anaheim Standard Plans, contract documents and standard specification supplement and the latest revisions thereof. Contact PWEPC@anaheim.net or (714) 765-5176 for any questions regarding the City’s process.
- Traffic Control – All work along the City of Anaheim’s roadway network shall require a Traffic Control Plan in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD).
- Transportation Mitigation Plan (TMP) – A transportation mitigation plan may be required as determined by the City Traffic Engineer, to accurately determine the construction impacts, traffic mitigations and public outreach coordination for the project. The TMP shall, at a minimum, consist of a Temporary Traffic Control (TTC) plan and address both Transportation Operations (TO) and Public Information (PI) coordination requirements necessary to implement the project.

A6-3
A6-4
A6-5

200 S. Anaheim Blvd
Suite #276
Anaheim, CA 92805
Tel: (714) 765-5176

www.anaheim.net

OCSD Facilities Master Plan
October 16, 2020
Page 2 of 2

- Traffic Signals Impacts – a potential OCSD pipeline project with the City of Anaheim may be required to fund signalization improvements because of mitigating construction traffic impacts. To appropriately manage traffic during construction, the City may need to install fiber communication networks, video detection cameras, closed-circuit television (CCTV) traffic monitoring cameras and associated equipment along the impacted corridors. All video feeds would need to be accessible from the Anaheim Traffic Management Center where city staff would modify signal timing and phasing, as needed, to accommodate lane closures and traffic conditions related to the construction.

A6-6

If you have any questions regarding this response, please do not hesitate to contact me at (714) 765-5238 or aук@anaheim.net.

A6-7

Sincerely,



Andy Uk
Associate Planner

Response to Comment Letter A6

City of Anaheim
Andy Uk, Associate Planner
October 16, 2020

- A6-1** This comment is an introduction to comments to follow. No further response is required or necessary.
- A6-2** This comment is an introduction to comments to follow. No further response is required or necessary.
- A6-3** This comment states that a Right-of-Way Construction Permit is necessary for all work within the City of Anaheim’s right-of-way. In addition, the comment states that all work must be in accordance with the applicable sections of Standard Specifications for Public Works Construction, City of Anaheim Standard Plans, contract documents, and standard specification supplement and the latest revisions thereof. This comment is noted. The Orange County Sanitation District (Sanitation District) intends to obtain a Right-of-Way Construction Permit for all work within the right-of-way, and construct all improvements in accordance with the applicable sections of Standard Specifications for Public Works Construction, City of Anaheim Standard Plans, contract documents, and standard specification supplement and the latest revisions thereof. Additionally, mitigation measure MM-TRA-1 requires that the Sanitation District submit plans and engineering documents to the City of Anaheim’s Public Works Department prior to the initiation of construction. Compliance with MM-TRA-1 would provide the City of Anaheim an opportunity to review project plans and ensure that the Sanitation District obtains the requisite permits.
- A6-4** This comment states that all work along the City of Anaheim’s roadway network requires a Traffic Control Plan in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD). This comment is noted. Per MM-TRA-1, the Sanitation District will be required to prepare and submit a Traffic Control Plan to the City of Anaheim to mitigate potential construction traffic impacts. The Traffic Control Plan would be developed in accordance with the CAMUTCD.
- A6-5** This comment states that a transportation mitigation plan may be required as determined by the City of Anaheim Traffic Engineer to accurately determine the construction impacts, traffic mitigations, and public outreach coordination for Facilities Master Plan (FMP) projects. The transportation mitigation plan must, at a minimum, consist of a temporary traffic control plan and address transportation operations and public information coordination requirements necessary to implement FMP projects. This comment is noted. Per MM-TRA-1, the Sanitation District will be required to prepare the applicable transportation mitigation plan to address potential construction traffic impacts.
- A6-6** This comment states that the Sanitation District may be required to fund signalization improvements to further mitigate construction traffic impacts, in addition to preparing a transportation mitigation plan. Signal improvements may include fiber communication networks, video detection cameras, and closed-circuit television traffic monitoring cameras. As discussed in response to comment A6-5, per MM-TRA-1, the Sanitation District will be required to prepare the applicable transportation mitigation plan, inclusive of the components required by the City of Anaheim requirements subject to applicable legal restrictions on exactions, to address potential construction traffic impacts.

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Comment Letter A7



City of La Habra

COMMUNITY DEVELOPMENT

"A Caring Community"

110 E. La Habra Boulevard
Post Office Box 337
La Habra, CA 90633-0785
Office: (562) 383-4100
Fax: (562) 383-4476

October 15, 2020

Mr. Kevin Hadden
Principal Staff Analyst
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, California 92708

Re: Notice of Availability of Environmental Impact Report for the Orange
County Sanitation District Facilities Master Plan

Dear Mr. Hadden,

Thank you for the opportunity to review the Notice of Availability of Environmental Impact Report for the project known as the "Orange County Sanitation District Facilities Master Plan". As you are aware, CEQA allows communities to comment on projects which may impact their particular communities. Based on the project description and location, it is not anticipated that this project will have an impact on the City of La Habra.

Should changes occur that increases the scope of the project, please provide us with sufficient notification prior to consideration of the project. The City reserves the right to comment on any proposed changes.

If you should have any questions, please feel free to contact me at (562) 383-4100.

Sincerely,

Carlos Jaramillo
Deputy Director of Community Development

cc: Jim Sadro, City Manager
Andrew Ho, Director of Community and Economic Development
Robert Ferrier, Assistant to the City Manager

A7-1

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Response to Comment Letter A7

City of La Habra
Carlos Jaramillo, Deputy Director of Community Development
October 15, 2020

- A7-1** This comment states that the City of La Habra has reviewed the Facilities Master Plan’s (FMP) Notice of Availability and has no comments at this time. The City of La Habra requests to be advised of further developments on the FMP. The Orange County Sanitation District thanks the City La Habra for its review of the Draft PEIR, and will ensure that it coordinates with the City La Habra throughout FMP project implementation, as applicable.

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Comment Letter I1

From: Christopher Stratton
Sent: Saturday, September 5, 2020 12:58 PM
To: CEQA
Subject: EXTERNAL: P2-126 Questions

Good afternoon Kevin,

I'm writing to ask about the scope of project P2-126.

I'm particularly concerned about any new emissions coming from this area in terms of chemicals or human waste by-products. Can you give me a little more clarity on what will be entailed in this project? As best I can tell it's a warehouse and power station, which shouldn't have emissions, but it does discuss Methane in the PEIR that you all sent out.

Could you comment further on what exactly will be there and what sort of emissions it will be releasing into the air?

With thanks,
Chris

[Redacted]

Rev. Christopher Stratton
Academic Dean, History & Theology Chair
[Redacted] | pacificacoc.org

I1-1



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Response to Comment Letter I1

Pacifica Christian
Rev. Christopher Stratton
Academic Dean, History & Theology Chair
September 5, 2020

I1-1 This comment contains questions regarding Facilities Master Plan (FMP) project P2-126, particularly with regard to air emissions. FMP project P2-126 is the Substation and Warehouse Replacement project at Plant 2, which entails moving the existing 21,000-square-foot, above-grade warehouse north of the existing facility on site. The existing facility would be demolished and reconstructed in the new location. The new warehouse will be located close to the new substation, at the north side of Plant 2, and will have a similar overall footprint as the existing warehouse, including the storage yard. This FMP project would add a second Southern California Edison power supply and a 66-kilovolt (kV) incoming distribution line to Orange County Sanitation District (Sanitation District) Plant 2, and would involve construction of a new 66 kV to 12.47 kV substation. The new substation would include two incoming 66 kV lines and two 66 kV to 12.47 kV transformers. The Sanitation District's existing substation at Plant 2 currently relies on a single incoming 66 kV line and a single 66 kV to 12.47 kV transformer. A failure in the existing incoming 66 kV line or in the transformer could result in an extended outage to utility power. The existing substation would be demolished once the new substation is in service; the replacement substation would be similar in size and configuration. Southern California Edison would construct, operate, and maintain the substation.

This FMP project would also involve construction of a new 2,787-square-foot Electric Service Center Building in place of the old one (constructed in 1990), which would include physical separation of various electrical distribution components (e.g., 12 kV switchgear, 480-volt panel board, and direct current battery system) to reduce the risk of a single point of failure when shutting down power to critical process areas. The existing main electrical service equipment at Plant 2 is in the same room, which could result in loss of electrical power to critical process areas during a fire or other catastrophic event. To improve electrical system reliability and resiliency, this FMP project would involve construction of a new Electric Service Building with two separate and dedicated fire-rated electrical rooms. It would provide power to the new warehouse building. The Electrical Service Center would be located in the vicinity of the new substation and new warehouse, and the exact location will be determined during project development. The existing Electric Service Center would be demolished once the new Electrical Service Center is in service. The replacement Electric Service Center would be similar in size and configuration as the old one. Existing Southern California Edison power line easements go across Plant 2 parallel with Banning Avenue and Brookhurst Street. The power lines parallel to Brookhurst Street may shift slightly in location to accommodate connection to the new substation, but this would not be substantially different in location or height from the existing power poles.

As discussed above, this project is primarily a project relating to electrical infrastructure and equipment storage. Aside from chemicals potentially being stored on site at the warehouse,¹ the buildings that

¹ The storage and handling of chemicals and other hazardous materials is discussed in Section 4.8, Hazards and Hazardous Materials, of the Draft PEIR. As discussed, hazardous materials used for operation at Plant 1, Plant 2, and throughout the collection system would be stored and handled in accordance with manufacturer recommendations and managed in accordance with federal, state, and local laws and regulations. Compliance with these regulations would minimize health risk to the public, and impacts would be less than significant.

would be constructed as part of this FMP project would not be used in any way for wastewater treatment, and as such, there is no potential for this project to result in chemical emissions or emissions from human waste by-products.² Notwithstanding, the Draft PEIR does disclose that the project could result in both air pollutant emissions and greenhouse gas emissions, including methane, during construction. These discussions are summarized below. With implementation of mitigation, impacts would be less than significant.

Air pollutant emissions. As discussed in Section 4.2, Air Quality, of the Draft PEIR, construction of the FMP project would result in the use of heavy machinery, such as excavators, cranes, and dump trucks. Operation of this machinery would result in the emissions of criteria air pollutants such as volatile organic compounds, nitrogen oxide, carbon monoxide, sulfur oxide, and particulate matter (PM₁₀ and PM_{2.5}); however, these emissions are common with all construction activities, and with implementation of mitigation measure MM-AQ-1 (which requires use of more efficient construction equipment), construction air quality impacts would be below levels established by the South Coast Air Quality Management District for the purposes of protecting the region's air quality. In addition, a construction health risk assessment (Appendix D of the Draft PEIR) was prepared to assess the potential for toxic air contaminants and hazardous air pollutants associated with construction tailpipe emissions to result in adverse health effects on surrounding workers and residents. The construction health risk assessment concluded that, with implementation of MM-AQ-1, the FMP's health risk impacts associated with construction would be less than significant. Upon completion of construction activities for FMP project P2-126, the project would not result in the emission of any air pollutants.

Greenhouse gas emissions (methane). Section 4.7, Greenhouse Gas Emissions, of the Draft PEIR assessed methane in the following two ways:

Methane generated during construction. The greenhouse gas (GHG) emissions section in the Draft PEIR estimates GHG emissions generated during FMP project construction. GHG emissions, including methane, are released during construction activities, including exhaust from construction equipment and vehicles. Methane is a principal GHG; however, it does not have localized or regional human health effects like criteria air pollutants do (aside from as a potential explosion hazard, discussed in Section 4.8, Hazards and Hazardous Materials, of the Draft PEIR³). As discussed in Section 4.7, Greenhouse Gas Emissions, of the Draft PEIR, the primary concern with anthropogenic methane release into the atmosphere is its contribution to enhancing the greenhouse effect, which causes the Earth's surface temperature to rise, and the associated adverse effects of climate change. Methane emissions from construction were estimated using the California Emissions Estimator Model (CalEEMod), which is the industry standard emissions estimator model recommended by the South Coast Air Quality Management District, and was estimated based on project-specific construction information and CalEEMod default values (e.g., emissions factors for equipment and vehicles). Potential impacts associated with project-generated GHG emissions, including methane, were determined to be less than significant.

² Note that even if the buildings constructed as part of the FMP project were facilities to treat wastewater, the Sanitation District operates all of its wastewater treatment facilities in compliance with all applicable regulatory requirements such that operations would not result in a nuisance to the public or pose a threat to public health.

³ As discussed in Section 4.8, Hazards and Hazardous Materials, of the Draft PEIR, when methane accumulates, it is highly flammable and may cause explosions.

Existing methane districts. Hazards of concern in for FMP project P2-126 include several plugged oil and gas wells. The area for FMP project P2-126 is also located within the Huntington Beach Methane District. Ground-disturbing activities in methane districts and near oil and gas wells have the potential to cause a release of methane gas into the environment, and construction over or near a plugged oil and gas well could create a methane intrusion hazard inside buildings. As such, the Draft PEIR includes a mitigation measure (MM-HAZ-2) that requires following the applicable methane district guidance and conducting a methane survey prior to ground-disturbing activities. As noted in MM-HAZ-2, appropriate health and safety measures will be implemented based on the results of the survey and requirements of the methane district. In addition, oil and gas wells that require abandonment will be handled in accordance with the regulatory agency requirements.

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Comment Letter I2

From: Cliff Ranney
Sent: Tuesday, September 8, 2020 9:49 AM
To: CEQA
Subject: OCSD Facilities Master Plan

Hello,

I live at [REDACTED]. I back up to the 405 with the OCSD pipelines inbetween. My property also has a OCSD easement under my garage buildout. I was wondering if the planned work has any defined work that would affect the existing building?

I
|
| 12-1
|

Thank you
Cliff Ranney
[REDACTED]

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Response to Comment Letter I2

Resident
Cliff Ranney
September 8, 2020

- I2-1** This comment provides the commenter’s address and questions whether Facilities Master Plan (FMP) project work would affect the commenter’s property. FMP project 7-65 (Gisler-Red Hill Interceptor Rehabilitation) would be located immediately adjacent to (and partially beneath) the commenter’s property. This project would rehabilitate the Gisler-Redhill Interceptor from a diversion utility manhole near the Main Street Pump Station to the College Avenue Pump Station. The project is expected to repair or replace 38 utility manholes and rehabilitate approximately 15,000 feet of clay pipe sewer ranging from 24 inches to 60 inches in diameter in Costa Mesa. Construction activities are anticipated to begin in fall 2022 and last until winter 2024. However, the FMP project would not affect the commenter’s property because project activities within the area would be limited to non-invasive pipe rehabilitation (i.e., internal lining) and would not require above-ground disturbance, with the exception of construction traffic over the Orange County Sanitation District’s easement and digging around a utility manhole (away from the commenter’s property) or in the case of an unforeseen circumstances.

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References

City of Huntington Beach. 2017. "Circulation Element." *City of Huntington Beach General Plan*. October 2, 2017.
https://www.huntingtonbeachca.gov/files/users/planning/Circulation_Element.pdf.

City of Santa Ana. 2020. "Mobility Element." *Santa Ana General Plan Public Review Draft*. September 28, 2020.
https://www.santa-ana.org/sites/default/files/pb/general-plan/documents/Draft%20General%20Plan/Sept%20Draft%20Elements/02_Mobility_draft_20200928.pdf.

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3 Changes to the Draft PEIR

3.1 Introduction

As provided in Section 15088(c) of the California Environmental Quality Act (CEQA) Guidelines, responses to comments may take the form of a revision to a Draft Environmental Impact Report (EIR) or may be a separate section in a Final EIR. This chapter of the Final Program EIR (PEIR) complies with the latter option and provides changes to the Draft PEIR in strikethrough text (i.e., ~~strikethrough~~) signifying deletions, and underlined text (i.e., underline) signifying additions. These notations are meant to provide clarification, corrections, or minor revisions identified during the review period or as a result of public comments received for the proposed Orange County Sanitation District (Sanitation District) Facilities Master Plan (FMP) since the release of the Draft PEIR, as required by Section 15132 of the CEQA Guidelines. None of the corrections or additions constitutes significant new information or substantial project changes requiring recirculation of the PEIR, as defined by Section 15088.5 of the CEQA Guidelines.

3.2 Changes to the Draft PEIR

Changes to the Draft PEIR are provided in this section. Page numbers correspond to the Draft PEIR.

3.2.1 Changes to Chapter 3, Project Description

Section 3.4.4, Joint Plant Improvements, page 3-16

Laboratory Rehabilitation or Replacement at Plant 1 (J-133)

This project would rehabilitate or replace the 40,000-square-foot Plant 1 Laboratory Building to be in compliance with current building codes and allow the building to be permitted by the City of Fountain Valley. The rehabilitation would also include modifications to improve lab testing abilities, operation functionality, supporting utility replacement, seismic upgrades, and roof replacement. As regulations change, upgrades to this building may include additional equipment or the addition of more efficient equipment.

Section 3.4.5, Collection System Improvements, page 3-19

Seal Beach Pump Station Replacement (3-67)

The Seal Beach Pump Station is located at 13900 Seal Beach Boulevard, north of Westminster Boulevard. Project 3-67 would construct a replacement pump station adjacent on the existing facility and demolish the old facility once the new one is put into service. The replacement pump station would have a deeper wet well to allow gravity flow from the future extension of the Los Alamitos Sub-Trunk from the West Side Pump Station to the Seal Beach Pump Station (project 3-68), thus allowing the West Side Pump Station to be abandoned. There is an existing temporary emergency diesel-fueled generator which will be replaced with a permanent diesel-fueled emergency generator. The project would also include odor control improvements of vapor-phase and liquid-phase treatment at the pump station to minimize both upstream and downstream odors and corrosion.

3.2.2 Changes to Section 4.2, Air Quality

Because the changes to the air quality chapter were comprehensive in response to an AQMD comment letter, the chapter in its entirety can be found in Appendix A to this Final EIR.

3.2.3 Changes to Section 4.5, Energy

Because the changes to the energy chapter were comprehensive in response to an AQMD comment letter, the chapter in its entirety can be found in Appendix A to this Final EIR.

3.2.4 Changes to Section 4.7, Greenhouse Gas Emissions

Because the changes to the greenhouse gas emissions chapter were comprehensive in response to an AQMD comment letter, the chapter in its entirety can be found in Appendix A to this Final EIR.

3.2.5 Changes to Section 4.1, Aesthetics

Section 4.1.5, Mitigation Measures, p. 4.1-20

MM-AES-1 Construction Screening at Plant 1 and Plant 2. For Facilities Master Plan projects located within Reclamation Plant No. 1 or Treatment Plant No. 2, prior to commencement of construction, the Sanitation District shall screen views of ground level construction activities from public view with fencing, or vegetation, ~~or buildings~~. If there are gaps in these existing barriers that allow construction activities to be viewed from public viewpoints, the Orange County Sanitation District shall install temporary visual screening barriers within these viewing windows to minimize the visual impacts of construction activities.

3.2.5 Changes to Section 4.11, Noise

Section 4.11.5, Approach and Methodology, Page 27

Operation

Noise emissions from FMP project operations are anticipated to be the same as existing conditions. The FMP projects would rehabilitate, replace, or abandon existing facilities that currently produce relatively varying levels of noise during ongoing operations and maintenance activity.⁴ Because the FMP projects addressed in this PEIR do not propose additions of or appreciable changes to regular operations and maintenance activity by Sanitation District personnel, additional operational noise would not be created as a result of implementation of the FMP.

⁴ For example, at the Seal Beach Pump Station, facility improvements would include installation of a new permanent emergency generator, this would be the only facility in which a replacement generator is proposed. The emergency generator would only be used in case of external power outage and for periodic testing. Furthermore it would be fully enclosed within a solid masonry structure, and the nearest noise-sensitive land uses (residences to the west) would be approximately 800 feet away; intervening buildings and a residential property wall as well as a busy arterial roadway would further ensure that any noise increase would be negligible or nonexistent.

3.2.6 Changes to Section 4.12, Public Services

Section 4.12.1, Existing Conditions, Pages 1–2

The Orange County Fire Authority (OCFA) is a regional fire service agency that serves ~~24~~ 23 cities in Orange County and all unincorporated areas (OCFA 2020). OCFA regionally provides fire, emergency medical, and rescue services to more than ~~1,984,758~~ 1,930,385 residents. There are ~~79~~ 77 fire stations that provide regional emergency response for all fires, medical aids, rescues, hazardous materials incidents, wildland fires, aircraft fires, and rescue services at John Wayne Airport, and for other miscellaneous emergencies (OCFA 2020). Jurisdictions in Orange County that are not served by OCFA operate under individual city fire departments.

Table 4.12-1. Fire Jurisdiction Summary

Jurisdiction	Fire Jurisdiction	Address
City of Anaheim	City of Anaheim Fire Department	201 South Anaheim Boulevard, Suite 301 Anaheim, California 92805
City of Brea	City of Brea Fire Department	1 Civic Center Circle Brea, California 92821
Cities of Buena Park, Cypress, Garden Grove, Irvine, La Palma, Los Alamitos, Orange, Placentia, Santa Ana, Seal Beach, Stanton, Tustin, Villa Park, and Westminster	Orange County Fire Authority	1 Fire Authority Road Irvine, California 92602
City of Costa Mesa	City of Costa Mesa Fire Department	77 Fair Drive Costa Mesa, California 92626
City of Fountain Valley	City of Fountain Valley Fire Department	10200 Slater Avenue Fountain Valley, California 92708
City of Fullerton	City of Fullerton Fire Department	312 East Commonwealth Avenue Fullerton, California 92832
City of Huntington Beach	City of Huntington Beach Fire Department	2000 Main Street Huntington Beach, California 92648
City of La Habra	Los Angeles County Fire Department	1320 North Eastern Avenue Los Angeles, California 90063
City of Newport Beach	City of Newport Beach Fire Department	100 Civic Center Drive Newport Beach, California 92660
<u>City of Placentia</u>	<u>City of Placentia Fire Department</u>	<u>116 South Bradford Avenue Placentia, California 92870</u>

Note: The City of Costa Mesa is serviced by the Costa Mesa Sanitary District and the City of Westminster is serviced by the Midway City Sanitary District. Both are Member Agency special districts located within the Sanitation District's service area.

3.2.7 Changes to Section 4.13, Transportation

Section 4.13.1, Existing Conditions, Page 3

Greenville Street is a north/south, two- to four-lane divided and undivided roadway with a two-way left-turn lane between Warner Avenue and Alton Avenue. The southern portion of the Greenville–Sullivan Sewer Relief collection system project (X-083) stretches from Alton Avenue to Edinger Avenue along Greenville Street. Greenville Street is designated as a secondary arterial by the Santa Ana Active Transportation Plan (City of Santa Ana 2019) and stretches from Sunflower Avenue to Edinger Avenue within Santa Ana. As of September 2020, the City of Santa Ana is proposing to update its General Plan, which includes designating Greenville Avenue as a Divided Collector/Collector on its Draft Mobility Element (City of Santa Ana 2020). Additionally, the City of Santa Ana has plans for an active transportation project on Greenville Avenue between Edinger Avenue and Segerstrom Avenue, which would restripe the roadway to two lanes and incorporate bicycle facilities. The posted speed limit along Greenville Street ranges from 25 to 35 mph.

3.3 Reference

City of Santa Ana. 2020. "Mobility Element." *Santa Ana General Plan Public Review Draft*. September 28, 2020. https://www.santa-ana.org/sites/default/files/pb/general-plan/documents/Draft%20General%20Plan/Sept%20Draft%20Elements/02_Mobility_draft_20200928.pdf.

4 Mitigation Monitoring and Reporting Program

4.1 Introduction

California Public Resources Code, Section 21081.6, requires that, upon certification of an Environmental Impact Report, “the public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation.”¹

This Mitigation Monitoring and Reporting Program has been developed in compliance with Section 21081.6 of the California Public Resources Code and Section 15097 of the California Environmental Quality Act Guidelines,² and includes the following information:

- A list of mitigation measures
- The timing for implementation of the mitigation measures
- The party responsible for implementing or monitoring the mitigation measures

The Orange County Sanitation District must adopt this Mitigation Monitoring and Reporting Program (Table 4-1), or an equally effective program. Moving forward, Orange County Sanitation District will review the mitigation measures and subject them to applicable capital projects after they begin.

¹ California Public Resources Code, Section 21000–21189. California Environmental Quality Act, as amended.

² 14 CCR 15000–15387 and Appendices A–N. Guidelines for Implementation of the California Environmental Quality Act, as amended.

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Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
Aesthetics		
MM-AES-1: Construction Screening at Plant 1 and Plant 2. For Facilities Master Plan projects located within Reclamation Plant No. 1 or Treatment Plant No. 2, prior to commencement of construction, the Sanitation District shall screen views of ground level construction activities from public view with fencing or vegetation. If there are gaps in these existing barriers that allow construction activities to be viewed from public viewpoints, the Orange County Sanitation District shall install temporary visual screening barriers within these viewing windows to minimize the visual impacts of construction activities.	During construction.	Sanitation District
MM-AES-2: Construction Lighting. Should nighttime construction be required, a construction safety lighting plan shall be submitted to the Orange County Sanitation District Director of Engineering for review and approval prior to any nighttime construction activities. The Construction Safety Lighting Plan shall require that all construction-related lighting fixtures (including portable fixtures) shall be oriented downward and away from adjacent sensitive areas (including residential and biologically sensitive areas) and that all lighting shall consist of the minimal wattage necessary to provide safety at the construction site.	Prior to construction.	Sanitation District
MM-AES-3: Operational Lighting. All new permanent exterior lighting associated with Facilities Master Plan project facilities shall be shielded and directed downward to minimize any light intrusion to surrounding uses. Development of the FMP facilities shall comply with existing and future lighting ordinances of each applicable jurisdiction. Per these requirements, all outdoor lighting fixtures shall be designed, shielded, aimed, located, and maintained to minimize impacts to adjacent sites and to not produce glare onto adjacent sites or roadways.	Designed pre-construction and verified post-construction.	Sanitation District
Air Quality		
MM-AQ-1: Prior to the commencement of construction activities for each project, the Orange County Sanitation District (Sanitation District) shall require its construction contractor to demonstrate that all 50-horsepower or greater diesel-powered equipment is powered with California Air Resources Board (CARB)-certified Tier 4 Final engines. An exemption from this requirement may be granted if (1) the Sanitation District documents equipment with Tier 4 Final engines are not reasonably available, and (2) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Before an exemption may be granted, the Sanitation District’s construction contractor shall: (1) demonstrate that at least two construction fleet owners/operators in Orange County were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within Orange County during the desired construction schedule; and (2) the proposed replacement equipment has been evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emission estimation method	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
and documentation provided to the Sanitation District to confirm that project-generated emissions do not exceed applicable South Coast Air Quality Management District (SCAQMD) mass daily thresholds, the applicable SCAQMD localized significance thresholds, or the SCAQMD carcinogenic (cancer) risk threshold.		
Biological Resources		
<p>MM-BIO-1: Nesting Bird Avoidance. Construction activities for project-level and program-level projects shall avoid the migratory bird nesting season (typically February 1 through August 31), to reduce any potential significant impact to birds that may be nesting within 500 feet of project sites. If construction activities must occur during the migratory bird nesting season, an avian nesting survey of the project site and suitable habitat within 500 feet of the site shall be conducted for protected migratory birds and active nests. The avian nesting survey shall be performed by a qualified biologist meeting the standards in the field within 72 hours prior to the start of construction in accordance with the Migratory Bird Treaty Act (16 USC 703–712) and California Fish and Game Code, Sections 3503, 3503.5, and 3513. If an active bird nest is found, the nest shall be flagged and an appropriate buffer established around the nest, which shall be determined by the biologist based on the species’ sensitivity to disturbance (up to 300 feet for passerines and up to 500 feet for raptors and special-status species). The nest area shall be avoided until the nest is vacated and the juveniles have fledged. No project activities may encroach into the buffer until a qualified biologist has determined that the nestlings have fledged, and the nest is no longer active.</p>	Prior to and during construction.	Sanitation District
<p>MM-BIO-2: Special-Status Species Surveys and Mitigation. For any program-level projects identified in this program environmental impact report (PEIR) that may result in a significant impact to a special-status species, a biological reconnaissance of the project site will be conducted by a qualified biologist within 1 year prior to the start of construction of future program-level projects to determine if suitable habitat for special-status species occurs on the project site. If suitable habitat is present on or within the immediate vicinity (100–500 feet) of the project site, additional focused surveys and subsequent mitigation measures will be required as described below. The following species-specific measures will be implemented for projects identified with a potential to contain suitable habitat for special-status species.</p> <p><i>Least Bell’s Vireo and Southwestern Willow Flycatcher Protocol Level Surveys.</i> As determined by a qualified biologist during the biological reconnaissance described above for program-level projects that would result in potential direct and indirect impacts to willow riparian habitat, specifically project X-066, U.S. Fish and Wildlife Survey (USFWS) protocol surveys for least Bell’s vireo and southwestern willow flycatcher must be conducted by a biologist holding a USFWS permit for least bell’s vireo and southwestern willow flycatcher to determine the presence or absence of these species on the project site and within 500 feet of the project site. Prior to construction, a total of eight visits are required to cover both species (three least Bell’s vireo-only surveys and five combined least Bell’s vireo and southwestern willow flycatcher surveys) with a minimum 10-day interval between surveys. If either listed species is observed during focused protocol</p>	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<p>surveys, all project activities shall cease during the combined nesting season of April through July to reduce impacts to a less-than-significant level.</p> <p>However, if project activities cannot avoid the nesting season, potential direct impacts to either species may occur, which would be considered significant. To reduce impacts to less than significant, prior to implementing the project consultation with USFWS and the California Department of Fish and Wildlife (CDFW) will be required to initiate Section 7/10 consultation under the federal Endangered Species Act and apply for an Incidental Take Permit under Section 2081 of California Fish and Game Code. Additionally, impacts to occupied habitat for either species will require compensatory habitat-based mitigation through either the restoration of habitat and long-term conservation through a habitat conservation plan or through the purchase of mitigation credits at a minimum 1:1 ratio from an approved mitigation bank that sells credits for the conservation, creation, and enhancement of similar habitat types. However, the final mitigation strategy will be determined through agency consultation.</p> <p><i>Burrowing Owl Focused Surveys.</i> For program-level projects that occur in the vicinity of disturbed habitat that could provide suitable nesting habitat for burrowing owl with nearby occurrences, specifically projects X-086 and 5-66, focused surveys for burrowing owl shall be conducted in order to positively determine burrowing owl presence or absence prior to the start of construction as described below. In accordance with the protocol outlined in the 2012 California Department of Fish and Game Staff Report on Burrowing Owl Mitigation, four survey visits will be conducted by a qualified biologist on the study area (project site plus 500-foot buffer), spaced apart to allow an adequate amount of time to detect burrowing owl throughout the breeding season. At least one survey will be conducted between February 15 and April 15, and a minimum of three surveys conducted at least 3 weeks apart between April 15 and July 15, with at least one visit after June 15.</p> <p>If burrowing owl is found within the study area, then avoidance of the owl’s breeding season of February through July should occur to reduce potential indirect impacts to a less-than-significant level. If the breeding season cannot be avoided, then a qualified biologist must be on site during all project activities to monitor if adjacent construction noise (within 500 feet) and increased human presence are resulting in significant harassment of a nesting owl. If the biological monitor determines that project activities are significantly harassing burrowing owl, all activities shall halt until the nesting season has concluded. Because no suitable habitat for this species will be impacted, no compensatory habitat-based mitigation will be required.</p> <p><i>Coastal California Gnatcatcher Surveys.</i> For program-level projects that occur within suitable Coastal California gnatcatcher habitat, specifically project X-086, surveys shall be conducted by a qualified biologist to determine the presence/absence of this species prior to the start of construction as described below. Because project X-086 is not located within a Natural Community Conservation Plan area, per the 1997</p>		

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<p>USFWS Coastal California Gnatcatcher (<i>Polioptila californica californica</i>) Presence/Absence Survey Guidelines, six survey visits are required from March 15 through June 30 at least 1 week apart. If this species is absent, no further action is required.</p> <p>If this species is present within the survey area (project site plus 500-foot buffer), the nest location will be recorded. There is a potential for indirect impacts to occur if construction commences during the breeding season (February 15 to August 31). Therefore, project activities for project X-086 shall avoid the breeding season to avoid potential indirect impacts. If construction must occur during the breeding season when this species is present, a biological monitor will be on site to determine if adjacent project activities will result in the significant harassment and potential nest failure of a nesting gnatcatcher. If the biological monitor determines significant harassment is occurring, project activities must halt until the nesting season has concluded and the biological monitor verifies the nest is no longer active. If construction results in nest failure and ultimate take of the species, consultation with USFWS will be required to permit the take and mitigate for species loss through the Section 7/10 process of the federal Endangered Species Act. Because no direct impacts through habitat removal will occur, no compensatory habitat-based mitigation or agency permitting is required.</p> <p><i>Tricolored Blackbird Preconstruction Survey.</i> Within 10 days prior to construction, a qualified biologist knowledgeable in tri-colored blackbird biology shall conduct a preconstruction survey within areas of suitable habitat for tricolored blackbird, such as Carr Park adjacent to project X-071. The biologist shall look for tricolored blackbirds that may be located within or immediately adjacent to the project site (within 500 feet). If any tricolored blackbirds are found, the biologist shall identify their location for avoidance and establish a buffer of up to 500 feet. If tricolored blackbird are found and cannot be avoided by the project, additional mitigation will be required to comply with the California Endangered Species Act, such as applying for an Incidental Take Permit under Section 2081 of California Fish and Game Code prior to project implementation. Additionally, impacts to occupied habitat for this species will require compensatory habitat-based mitigation through the purchase of mitigation credits at a minimum 1:1 ratio from an approved mitigation bank. The final mitigation ratio will be determined through consultation with CDFW.</p>		
<p>MM-BIO-3: Sensitive Natural Communities. If it is determined through implementation of MM-BIO-2 that least Bell’s vireo and/or southwestern willow flycatcher occur within suitable habitat within the project X-066 study area (project site plus 500-foot buffer area), and the final project design will result in tree trimming or vegetation removal, the following compensatory habitat-based mitigation will be required prior to project implementation. Mitigation will be carried out by the Orange County Sanitation District (Sanitation District) working with the regulatory agencies and can include the following options:</p> <ul style="list-style-type: none"> a. Conduct on-site or off-site habitat restoration of in-kind habitat at a ratio agreed upon by the regulatory agencies. 	<p>Prior to construction.</p>	<p>Sanitation District</p>

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<p>b. On-site revegetation of habitat will be identified in a habitat mitigation monitoring plan (HMMP) that meets regulatory agency standards, which also includes the design for restoration, monitoring requirements to determine if established performance criteria is met, and recommended remedial measures. The HMMP will also include enhancement activities of the remaining habitat on site.</p> <p>c. If on-site restoration/enhancement is not feasible, the Sanitation District may also purchase off-site mitigation credits from a California Department of Fish and Wildlife-approved mitigation bank in the region that sells credits for the conservation, creation, and enhancement of similar habitat types.</p>		
<p>MM-BIO-4: Jurisdictional Waters and Wetlands. Direct impacts to jurisdictional waters that may occur through program-level projects such as project X-066, shall be addressed during project-level California Environmental Quality Act review of the project prior to implementation through first a biological reconnaissance conducted by a qualified biologist, and a delineation of waters and wetlands to determine potential regulatory agency jurisdiction. If the reconnaissance and delineation determine potentially jurisdictional waters or wetlands occur and may be impacted by the project, mitigation to reduce impacts will be determined through the regulatory application process to implement Clean Water Act Section 401 and Section 404, the Porter-Cologne Water Quality Act, and California Fish and Game Code Section 1602. Direct impacts to jurisdictional non-wetland waters shall be mitigated through either the on-site restoration of habitat discussed in MM-BIO-3, or through the purchase of off-site mitigation credits. The Orange County Sanitation District may purchase credits through an agency-approved mitigation bank, in-lieu fee program, or other agreement. A ratio agreed upon by the regulatory agencies for establishment or reestablishment credits will be required for impacts to jurisdictional waters and associated willow riparian habitat. The compensatory mitigation ratio is based on the existing relatively low-quality aquatic resources that occur on the project site. However, the final mitigation ratio required will be determined through consultation with the regulatory resource agencies during the permitting process.</p>	<p>Prior to construction.</p>	<p>Sanitation District</p>
<p>MM-BIO-5: Public and Parkway Trees. If the final project design for project-level and program-level projects determines that public and parkway trees may be impacted during project construction for any project-level and program-level projects that occur within the City of Huntington Beach, the City of Fountain Valley, and any other city with a tree protection ordinance, a permit or permission from the applicable city must be obtained prior to cutting, trimming, pruning, or removing any tree, shrub or plant.</p>	<p>Prior to construction.</p>	<p>Sanitation District</p>

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<i>Cultural Resources</i>		
<p>MM-CUL-1: Prior to start of ground-disturbing activities, the qualified archaeologist meeting the Secretary of the Interior’s Professional Qualifications Standards for archaeology (or an archaeologist working under the direct supervision of the qualified archaeologist) shall be retained by the Orange County Sanitation District (Sanitation District) and shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel shall be informed of the types of archaeological resources that may be encountered, the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains, and safety precautions to be taken when working with archaeological monitors. The Sanitation District’s contractor shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.</p>	<p>Prior to construction.</p>	<p>Sanitation District</p>
<p>MM-CUL-2: Archaeological monitoring shall be conducted for ground-disturbing activities at Reclamation Plant No. 1, Treatment Plant No. 2, the Seal Beach Pump Station Replacement (3-67), and Los Alamitos Sub-Trunk Extension project (3-68) in Seal Beach. Archaeological monitoring shall be conducted for ground-disturbing activities associated with Newport Beach Pump Station Odor Control Improvements (5-68) only as they intersect with ground-disturbing activities at the 15th Street Pump Station Rehabilitation (X-022), Lido Pump Station Rehabilitation (X-023), Rocky Point Pump Station Rehabilitation(X-024), and A Street Pump Station Rehabilitation (X-041). Archaeological monitoring shall be conducted for ground-disturbing activities associated with high cultural sensitivity portions of the Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation (X-065), Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation (X-066), Crystal Cove Pumping Station Upgrade and Rehabilitation (5-66), DAFT Demolition (X-043), Hoover-Western Sub-Trunks Sewer Rehabilitation (X-067/X-085), Edinger/Springdale Trunk Sewer Rehabilitation (X-071), Substation and Warehouse Replacement at Plant 2 (P2-126), Operations and Maintenance Complex at Plant 2 (P2-138). Archaeological monitoring shall be conducted by an archaeologist familiar with the types of archaeological resources that could be encountered within the program area, and under the direct supervision of the qualified archaeologist. The frequency of monitoring shall take into account the rate of ground-disturbing activities, the materials being excavated (native versus artificial fill soils and older versus younger soils), and the depth of excavation. The frequency of the monitoring shall be determined by the qualified archaeologist and in coordination with the Sanitation District. In the event that archaeological resources are unearthed during ground-disturbing activities, the archaeological monitor shall be empowered to halt or redirect ground-disturbing activities away from the vicinity of the discovery until the Sanitation District and a qualified archaeologist have evaluated the discovery and determined appropriate treatment (as prescribed in MM-CUL-3). The archaeological monitor shall keep logs detailing the types of activities and soils observed, and any discoveries. After monitoring has been completed, the qualified</p>	<p>During construction.</p>	<p>Sanitation District</p>

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
archaeologist shall prepare a report that details the results of monitoring for submittal to the Sanitation District, the South Central Coastal Information Center, and any Native American tribe that requests a copy.		
<p>MM-CUL-3: In the event of the unanticipated discovery of archaeological materials during ground-disturbing activities associated with the proposed Facilities Master Plan, the Orange County Sanitation District (Sanitation District) shall immediately cease all work activities in the area (within 100 feet) of the discovery until it can be evaluated by the qualified archaeologist. Construction shall not resume until the qualified archaeologist has conferred with the Sanitation District on the significance of the resource. In the event that preservation in place is determined to be infeasible and data recovery through excavation is the only feasible mitigation available, an Archaeological Resources Treatment Plan, in accordance with the Advisory Council on Historic Preservation’s 2009 Section 106 Archaeology Guidance, shall be prepared and implemented by the qualified archaeologist in consultation with the Sanitation District. The Archaeological Resources Treatment Plan will provide for the adequate recovery of the scientifically consequential information contained in the archaeological resource. The Sanitation District shall consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources. The treatment options after data recovery efforts occur may include returning the resource to the appropriate tribe or donation of the resource to a repository identified by the tribe. If preservation in place is not an option or re-deposition on site is not an option, the resource will be curated at an archaeological curation facility (compliant with standards established in 36 CFR 79, Sections 9, 10, and 11).</p>	During construction.	Sanitation District
Geology and Soils		
<p>MM-GEO-1: Paleontological Resources. Prior to commencement of any ground-disturbing activity in areas of moderate to high paleontological sensitivity, the Orange County Sanitation District shall retain a qualified paleontologist per the 2010 Society of Vertebrate Paleontology guidelines. The paleontologist shall prepare a paleontological resources impact mitigation program for the project that reduces all impacts to less than significant. The paleontological resources impact mitigation program shall be consistent with the Society of Vertebrate Paleontology guidelines and shall include: requirements for preconstruction meeting attendance and worker environmental awareness training, where monitoring is required within the project area based on construction plans and/or geotechnical reports; procedures for adequate paleontological monitoring and discoveries treatment; and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting, and a paleontological monitor under the direction of the qualified paleontologist shall be on site during initial ground-disturbing activities in areas of previously undisturbed moderate and/or high paleontological resources sensitivity. In the event that paleontological resources (e.g., fossils) are unearthed, the</p>	Prior to and during construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
paleontological monitor shall temporarily halt and/or divert ground-disturbing activity to allow recovery of paleontological resources. The area of discovery shall be roped off with a 50-foot-radius buffer. Once documentation and collection of the find is completed, the paleontological monitor shall allow ground-disturbing activities to recommence in the area of the find.		
Hazards and Hazardous Materials		
MM-HAZ-1: Pre-Demolition Hazardous Building Materials Survey and Abatement. A hazardous building materials survey shall be conducted prior to demolition or renovation activities at Reclamation Plant No. 1 and Treatment Plant No. 2. The survey will include polychlorinated biphenyls and universal wastes. A survey will also be conducted on collection system projects to identify yellow traffic striping that may contain lead chromate. Following results of the hazardous materials survey, and incorporating information from current asbestos and lead inventories, demolition or renovation plans and contract specifications, including those for road-disturbing activities, shall incorporate abatement procedures for the removal of materials containing asbestos, lead, polychlorinated biphenyls, and universal waste items, as required by law. All abatement work shall be done in accordance with federal, state, and local regulations, including those of the U.S. Environmental Protection Agency, Occupational Safety and Health Administration, California Occupational Safety and Health Administration, and the South Coast Air Quality Management District.	Prior to construction.	Sanitation District
MM-HAZ-2: Methane Management and Mitigation. If a proposed rehabilitation, renovation, or construction project that involves the construction or occupancy of a building or structure is within a designated methane district, guidance from the applicable jurisdiction shall be consulted prior to project implementation to determine if the proposed Facilities Master Plan (FMP) is subject to any requirements, including health and safety requirements, related to the jurisdiction’s methane districts. These jurisdictions include City of Huntington Beach, City of Newport Beach, City of Yorba Linda, and Orange County Fire Authority (OCFA). Additionally, projects located within a designated methane district or located within 100 feet of a plugged or active oil and gas well (a distance defined by OCFA) will have a methane survey conducted prior to ground-disturbing activities. The survey shall be conducted by a professional engineer or geologist with experience and credentials that meet the requirements of the County or local jurisdiction. Based on the result of the methane survey, a methane safety plan will be developed that identifies health and safety procedures for construction (such as ambient air monitoring) and operation (such as passive or active venting systems on buildings) of proposed FMP projects that adequately mitigate risks associated with identified methane. The safety plan will meet minimum requirements set forth by OCFA Combustible Soil Gas Hazard Mitigation C-03, and applicable city-specific methane safety requirements. The Orange County Sanitation District and its contractors shall follow the methane safety plan during applicable projects. Should oil and gas wells require abandonment or re-abandonment to facilitate construction or operation of the proposed FMP, this shall	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<p>be done in accordance with California Geologic Energy Management Division (CalGEM) requirements. Abandonment approval from CalGEM will be required prior to construction or other activities that could affect the oil and gas well.</p>		
<p>MM-HAZ-3: Hazardous Material Pipeline Location and Notification. Prior to excavation or other ground-disturbing activities on proposed collection line projects, the Orange County Sanitation District (Sanitation District) or its contractor will determine if hazardous material pipelines are located in the area of excavation or other ground-disturbing activity. The National Pipeline Mapping System may be utilized to identify the location and owner/operator of hazardous material pipelines that may cross or run parallel to the proposed excavation area. The Sanitation District or its contractor will consult the pipeline owner, and will take the necessary precautions, such as setbacks, to avoid contact with the hazardous material pipeline, as required by the pipeline owner and by applicable federal, state, and local laws and regulations.</p>	<p>Prior to construction.</p>	<p>Sanitation District</p>
<p>MM-HAZ-4: Hazards Contingency Plan. Prior to commencement of any ground-disturbing activities where it has been determined that hazardous materials are present and will be disturbed (see MM-HAZ-6), a Hazards Contingency Plan shall be developed that addresses potential impacts to soil, soil vapor, and groundwater from releases on or near the project sites. The Hazards Contingency Plan shall include training procedures for identification of contamination. The Hazards Contingency Plan shall describe procedures for assessment, characterization, management, and disposal of hazardous constituents, materials, and wastes, in accordance with all applicable state and local regulations. Contaminated soils and/or groundwater shall be managed and disposed of in accordance with local and state regulations. The Hazards Contingency Plan shall include health and safety measures, which may include but are not limited to periodic work breathing zone monitoring and monitoring for volatile organic compounds using a handheld organic vapor analyzer in the event impacted soils are encountered during excavation activities. As opposed to a single document, all necessary elements of a Hazards Contingency Plan may be developed into contract specifications.</p>	<p>Prior to construction.</p>	<p>Sanitation District</p>
<p>MM-HAZ-5: Monitoring Well Protection. Monitoring wells associated with nearby cleanup sites may be located within proposed collection system project boundaries. Some of these wells may still be actively monitored as part of required cleanup activities. The agency overseeing the associated cleanup site (Regional Water Quality Control Board, Department of Toxic Substances Control, or Orange County Health Care Agency) will be consulted prior to Facilities Master Plan project activities that could affect the monitoring wells to determine the best plan of action to either decommission and destroy, protect, and/or replace affected monitoring wells.</p>	<p>Prior to construction.</p>	<p>Sanitation District</p>
<p>MM-HAZ-6: Review of Cortese List Databases. Within proposed collection system project boundaries and prior to construction where ground disturbance is required, a review of Cortese List databases pursuant to Government Code 65962.5(a) and hazardous material sites listed on Department of Toxic</p>	<p>Prior to construction.</p>	<p>Sanitation District</p>

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<p>Substances Control EnviroStor and State Water Resources Control Board GeoTracker will be conducted within 0.5 miles of the specific Facilities Master Plan project site where the ground disturbance is proposed (project site). The review should be conducted by an environmental professional with experience in review and assessment of hazardous material sites. A search shall be conducted no more than 6 months prior to construction. In addition to the Cortese List and hazardous material sites identified in this program environmental impact report, each new Cortese List and hazardous material site identified within 0.5 miles of the project site will be reviewed for environmental contamination that could impact the project site, including soil, soil vapor, and groundwater contamination. The Hazards Contingency Plan developed in accordance with MM-HAZ 4 would be modified to incorporate findings from this review.</p>		
Noise		
<p>PDF-NOI-1: To address construction noise impacts, the Orange County Sanitation District has a process in place as follows:</p> <ul style="list-style-type: none"> a. Public outreach is conducted in communities that could be impacted by construction activities so that the public is aware of the work that must be conducted, where the work will occur, and the timing of the proposed work. b. At least five (5) days prior to the start of construction activities, the Sanitation District will notify the surrounding residents and businesses by mail or other means of distribution. For projects located outside of Plant 1 or Plant 2, the construction contractor will post signs in the project vicinity that identify the Orange County Sanitation District as the project owner and a general contract phone number. Sign location(s) will be identified with local jurisdiction approval. c. Once work begins, the contractor has the responsibility to address noise and vibration-related complaints. 	<p>Prior to and during construction.</p>	<p>Sanitation District</p>
<p>MM-NOI-1: For Facilities Master Plan (FMP) projects located within 500 feet of noise-sensitive receivers (residences, hotels and motels, educational institutions, libraries, hospitals, and clinics), the following measures shall be implemented:</p> <ul style="list-style-type: none"> a. All mobile or fixed noise-producing equipment used on an FMP project that is regulated for noise output by a local, state, or federal agency shall comply with such regulation while in the course of program activity. b. Construction equipment shall be properly outfitted and maintained with manufacturer-recommended noise-reduction devices to minimize construction-generated noise. c. Electrically powered equipment shall be used instead of pneumatic or internal-combustion-powered equipment, where feasible. 	<p>During construction.</p>	<p>Sanitation District</p>

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<p>d. Stationary noise sources such as generators or pumps shall be located at least 100 feet from noise-sensitive land uses as feasible.</p> <p>e. Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise-sensitive receptors.</p> <p>f. Construction site and haul-road speed limits shall be established and enforced during the construction period.</p> <p>g. As feasible, the hours of construction, including noise-generating activities and all spoils and material transport, shall be restricted to the time periods and days permitted by the local noise or other applicable ordinances. As necessary, the Sanitation District shall coordinate with the applicable local jurisdiction regarding activities that are not consistent with local ordinances to avoid/minimize impacts.</p> <p>h. The use of noise-producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only. Additionally, pursuant to Occupational Safety and Health Act Sections 1926.601(b)(4) and 1926.602(a)(9), a device that uses broadband “white noise” instead of a single-tone alarm may be used if it is shown to be effective.</p> <p>i. The Orange County Sanitation District or its designees shall coordinate with local jurisdictions and sensitive receptors regarding the proposed FMP to address any potential project-specific noise-related issues prior to commencement of construction activities.</p> <p>j. Noise-reduction measures such as sound blankets or temporary sound walls shall be used to reduce noise from noise-generating equipment and activities during construction.</p>		
Public Services		
<p>MM-TRA-1: Prior to initiation of construction activities, engineering drawings and specifications and/or contractor shop drawings shall be submitted for review and approval by the Sanitation District, the Public Works Departments of affected cities, and the California Department of Transportation (Caltrans) (where applicable). The proposed project may impact local transportation facilities due to temporary street and/or lane closures, temporary transit stop relocations, haul truck circulation, and construction staging. These impacts, if any, will be identified in the engineering drawings and specifications and/or contractor shop drawings identified for individual projects. The following steps will be required to mitigate construction traffic impacts identified in the engineering drawings and specifications and/or contractor shop drawings:</p> <p><u>Closures to Transportation Facilities</u></p> <p>a. Traffic control, and associated Traffic Control Plans, for any lane closure, detour, or other disruption to traffic circulation, including bicycle and pedestrian trails. Bicycle and pedestrian trails shall remain open, to the greatest extent possible, during construction or re-routed to ensure continued connectivity.</p>	<p>Prior to and during construction.</p>	<p>Sanitation District</p>

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<p>b. Engineering drawings and specifications shall meet the standards established in the current California Manual on Uniform Traffic Control Device.</p> <p>c. Bus stop access impacts shall be coordinated with, and approved by, the Orange County Transportation Authority.</p> <p>d. Consistent with applicable City and/or Caltrans requirements, and at least three (3) business days before any construction activities that would affect travel on nearby roadways, the construction contractor shall notify the affected City Public Works Department and/or Caltrans of construction activities that could impede movement (such as lane closures) along roadways to allow for uninterrupted emergency access. Surrounding property owners shall also be notified of construction activities through the Sanitation District Public Outreach Process.</p> <p><u>Truck Haul Routes and Circulation</u></p> <p>e. As required by the applicable agency, construction vehicle haul routes for the delivery of construction materials (e.g., lumber, tiles, piping, windows) to the site, necessary traffic controls and detours, and a construction phasing plan for the construction activities shall be identified.</p> <p>f. The hours during which transport activities can occur and methods to mitigate construction-related impacts to adjacent streets shall be specified. Examples of these methods include: 1) transport of materials and heavy equipment to the site(s) shall be avoided during the AM and PM peak commute hours; 2) haul trucks shall utilize designated truck routes to the extent feasible; 3) advance warning signage and/or detour routes shall be provided along streets where construction activities would occur; and, 4) scheduling of construction activities and workers at each individual site so that less than 110 daily trips would occur.</p> <p>g. The contractor shall be required to keep all haul routes clean and free of debris, including gravel and dirt resulting from its operations. The contractor shall clean adjacent streets, as directed by the Sanitation District, of any material that may have been spilled, tracked, or blown onto adjacent streets and areas.</p> <p>h. As required by the applicable agency, hauling and transport of oversize loads outside of their standard working hours will require approvals.</p> <p>i. Use of local streets shall be prohibited, except what is required to provide direct access to a construction site.</p> <p>j. Haul trucks entering or exiting public streets shall yield to public traffic at all times.</p> <p>k. If hauling operations cause any damage to existing pavement, streets, curbs, and/or gutters along the haul route, the contractor shall be fully responsible for repairs. The repairs shall restore the damaged property to its original condition.</p>		

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
<u>Construction Staging</u> l. Any off-site construction staging or material storage sites shall be identified to the extent feasible. m. All project-related staging of vehicles shall be kept out of the adjacent public roadways and shall occur on site or within other off-street areas.		
Transportation		
MM-TRA-1	Prior to and during construction.	Sanitation District
Tribal Cultural Resources		
MM-CUL-3	During construction.	Sanitation District

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Appendix A

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4.2 Air Quality

This section describes the existing regional and local air quality conditions, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures as needed related to implementation of the proposed Facilities Master Plan (FMP).

4.2.1 Existing Conditions

Climate and Topography

The project site is located within the South Coast Air Basin (SCAB). The SCAB is a 6,745-square-mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The SCAB's air pollution problems are a consequence of the combination of emissions from the nation's second-largest urban area, meteorological conditions that hinder dispersion of those emissions, and mountainous terrain surrounding the SCAB that traps pollutants as they are pushed inland with the sea breeze (SCAQMD 2017). Meteorological and topographical factors that affect air quality in the SCAB are described below.¹

Climate

The SCAB is characterized as having a Mediterranean climate (typified as semiarid with mild winters, warm summers, and moderate rainfall). The general region lies in the semi-permanent high-pressure zone of the eastern Pacific; as a result, the climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds.

Moderate temperatures, comfortable humidity, and limited precipitation characterize the climate in the SCAB. The average annual temperature varies little throughout the SCAB, averaging 75°F. However, with a less-pronounced oceanic influence, the eastern inland portions of the SCAB show greater variability in annual minimum and maximum temperatures. All portions of the SCAB have recorded temperatures over 100°F in recent years. Although the SCAB has a semiarid climate, the air near the surface is moist because of the presence of a shallow marine layer. Except for infrequent periods when dry air is brought into the SCAB by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus clouds, occasionally referred to as “high fog,” are a characteristic climate feature. Annual average relative humidity is 70% at the coast and 57% in the eastern part of the SCAB. Precipitation in the SCAB is typically 9 to 14 inches annually and is rarely in the form of snow or hail because of typically warm weather. Most of the rainfall in Southern California occurs between late fall and early spring, with most rain typically occurring in the months of January and February.

Orange County's climate is characterized by relatively low rainfall, with warm summers and mild winters. Average temperatures range from a high of 87°F in August to a low of 47°F in December (WRCC 2018).² Annual precipitation averages about 14 inches, falling mostly from October through April (WRCC 2018).

¹ The discussion of meteorological and topographical conditions of the SCAB is based on information provided in the Final 2016 Air Quality Management Plan (SCAQMD 2017).

² Local climate data for Orange County is based on the most-representative station measured by the Western Regional Climate Center, which is the Anaheim climatological station.

Sunlight

The presence and intensity of sunlight are necessary prerequisites for the formation of photochemical smog. Under the influence of the ultraviolet radiation of sunlight, certain primary pollutants (mainly reactive hydrocarbons and oxides of nitrogen [NO_x]³) react to form secondary pollutants (primarily oxidants). Since this process is time dependent, secondary pollutants can be formed many miles downwind of the emission sources. Southern California also has abundant sunshine, which drives the photochemical reactions that form pollutants such as ozone (O₃) and a substantial portion of fine particulate matter (PM_{2.5}; particulate matter 2.5 microns or less in diameter). In the SCAB, high concentrations of O₃ are normally recorded during the late spring, summer, and early autumn months, when more intense sunlight drives enhanced photochemical reactions. Because of the prevailing daytime winds and time-delayed nature of photochemical smog, oxidant concentrations are highest in the inland areas of Southern California.

Temperature Inversions

Under ideal meteorological conditions and irrespective of topography, pollutants emitted into the air mix and disperse into the upper atmosphere. However, the Southern California region frequently experiences temperature inversions in which pollutants are trapped and accumulate close to the ground. The inversion, a layer of warm, dry air overlaying cool, moist marine air, is a normal condition in coastal Southern California. The cool, damp, and hazy sea air capped by coastal clouds is heavier than the warm, clear air, which acts as a lid through which the cooler marine layer cannot rise. The height of the inversion is important in determining pollutant concentration. When the inversion is approximately 2,500 feet above mean sea level (amsl), the sea breezes carry the pollutants inland to escape over the mountain slopes or through the passes. At a height of 1,200 feet amsl, the terrain prevents the pollutants from entering the upper atmosphere, resulting in the pollutants settling in the foothill communities. Below 1,200 feet amsl, the inversion puts a tight lid on pollutants, concentrating them in a shallow layer over the entire coastal basin. Usually, inversions are lower before sunrise than during the daylight hours.

Mixing heights for inversions are lower in the summer and inversions are more persistent, being partly responsible for the high levels of O₃ observed during summer months in the SCAB. Smog in Southern California is generally the result of these temperature inversions combining with coastal day winds and local mountains to contain the pollutants for long periods, allowing them to form secondary pollutants by reacting in the presence of sunlight. The SCAB has a limited ability to disperse these pollutants due to typically low wind speeds and the surrounding mountain ranges.

As with other regions within the SCAB, Orange County is susceptible to air inversions, which trap a layer of stagnant air near the ground where pollutants are further concentrated. These inversions produce haziness, which is caused by moisture, suspended dust, and a variety of chemical aerosols emitted by trucks, automobiles, furnaces, and other sources. Elevated concentrations of coarse particulate matter (PM₁₀; particulate matter 10 microns or less in diameter) and PM_{2.5} can occur in the SCAB throughout the year, but they occur most frequently in fall and winter. Although there are some changes in emissions by day of the week and by season, the observed variations in pollutant concentrations are primarily the result of seasonal differences in weather conditions.

³ NO_x is a general term pertaining to compounds of nitric oxide (NO), nitrogen dioxide (NO₂), and other oxides of nitrogen.

Pollutants and Effects

Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The national and California standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include O₃, nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide (SO₂), PM₁₀, PM_{2.5}, and lead. In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants. These pollutants, as well as toxic air contaminants (TACs), are discussed in the following paragraphs.⁴

Ozone. O₃ is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O₃ precursors. These precursors are mainly NO_x and volatile organic compounds (VOCs). The maximum effects of precursor emissions on O₃ concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O₃ formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O₃ exists in the upper atmosphere O₃ layer (stratospheric O₃) and at the Earth's surface in the troposphere (ground-level O₃).⁵ The O₃ that the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O₃ is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O₃. Stratospheric, or "good," O₃ occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the Earth's atmosphere. Without the protection of the beneficial stratospheric O₃ layer, plant and animal life would be seriously harmed.

O₃ in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013).

Inhalation of O₃ causes inflammation and irritation of the tissues lining human airways, causing and worsening a variety of symptoms. Exposure to O₃ can reduce the volume of air that the lungs breathe in, thereby causing shortness of breath. O₃ in sufficient doses increases the permeability of lung cells, rendering them more susceptible to toxins and microorganisms. The occurrence and severity of health effects from O₃ exposure vary widely among individuals, even when the dose and the duration of exposure are the same. Research shows adults and children who spend more time outdoors participating in vigorous physical activities are at greater risk from the harmful health effects of O₃ exposure. While there are relatively few studies on the effects of O₃ on children, the available studies show that children are no more or less likely to suffer harmful effects than adults. However, there are a number of reasons why children may be more susceptible to O₃ and other pollutants. Children and teens spend nearly twice as much time outdoors and engaged in vigorous activities as adults. Children breathe more rapidly than adults and inhale more

⁴ The descriptions of the criteria air pollutants and associated health effects are based on the U.S. Environmental Protection Agency's "Criteria Air Pollutants" (EPA 2018a), as well as the California Air Resources Board's "Glossary" (CARB 2019a) and "Fact Sheet: Air Pollution Sources, Effects and Control" (CARB 2009).

⁵ The troposphere is the layer of the Earth's atmosphere nearest to the surface of the Earth. The troposphere extends outward about 5 miles at the poles and about 10 miles at the equator.

pollution per pound of their body weight than adults. Also, children are less likely than adults to notice their own symptoms and avoid harmful exposures. Further research may be able to better distinguish between health effects in children and adults. Children, adolescents and adults who exercise or work outdoors, where O₃ concentrations are the highest, are at the greatest risk of harm from this pollutant (CARB 2019b).

Nitrogen Dioxide. NO₂ is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO₂ in the atmosphere is the oxidation of the primary air pollutant nitric oxide (NO), which is a colorless, odorless gas. NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O₃. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources are transportation and stationary fuel combustion sources such as electric utility and industrial boilers.

A large body of health science literature indicates that exposure to NO₂ can induce adverse health effects. The strongest health evidence, and the health basis for the ambient air quality standards for NO₂, results from controlled human exposure studies that show that NO₂ exposure can intensify responses to allergens in allergic asthmatics. In addition, a number of epidemiological studies have demonstrated associations between NO₂ exposure and premature death, cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses. Infants and children are particularly at risk because they have disproportionately higher exposure to NO₂ than adults due to their greater breathing rate for their body weight and their typically greater outdoor exposure duration. Several studies have shown that long-term NO₂ exposure during childhood, the period of rapid lung growth, can lead to smaller lungs at maturity in children with higher levels of exposure compared to children with lower exposure levels. In addition, children with asthma have a greater degree of airway responsiveness compared with adult asthmatics. In adults, the greatest risk is to people who have chronic respiratory diseases, such as asthma and chronic obstructive pulmonary disease (CARB 2019c).

Carbon Monoxide. CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, such as the project location, automobile exhaust accounts for the majority of CO emissions. CO is a nonreactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas from November to February. The highest levels of CO typically occur during the colder months of the year, when inversion conditions are more frequent.

CO is harmful because it binds to hemoglobin in the blood, reducing the ability of blood to carry oxygen. This interferes with oxygen delivery to the body's organs. The most common effects of CO exposure are fatigue, headaches, confusion and reduced mental alertness, light-headedness, and dizziness due to inadequate oxygen delivery to the brain. For people with cardiovascular disease, short-term CO exposure can further reduce their body's already compromised ability to respond to the increased oxygen demands of exercise, exertion, or stress. Inadequate oxygen delivery to the heart muscle leads to chest pain and decreased exercise tolerance. Unborn babies whose mothers experience high levels of CO exposure during pregnancy are at risk of adverse developmental effects. Unborn babies, infants, elderly people, and people with anemia or with a history of heart or respiratory disease are most likely to experience health effects with exposure to elevated levels of CO (CARB 2019d).

Sulfur Dioxide. SO₂ is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO₂ are coal and oil used in power plants and industries; as such, the highest levels of SO₂ are generally found near large industrial complexes. In recent years, SO₂ concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO₂ and limits on the sulfur content of fuels.

Controlled human exposure and epidemiological studies show that children and adults with asthma are more likely to experience adverse responses with SO₂ exposure, compared with the non-asthmatic population. Effects at levels near the 1-hour standard are those of asthma exacerbation, including bronchoconstriction accompanied by symptoms of respiratory irritation such as wheezing, shortness of breath, and chest tightness, especially during exercise or physical activity. Also, exposure at elevated levels of SO₂ (above 1 parts per million [ppm]) results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality. Older people and people with cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most likely to experience these adverse effects (CARB 2019e).

SO₂ is of concern both because it is a direct respiratory irritant and because it contributes to the formation of sulfate and sulfuric acid in particulate matter (NRC 2005). People with asthma are of particular concern, both because they have increased baseline airflow resistance and because their SO₂-induced increase in airflow resistance is greater than in healthy people, and it increases with the severity of their asthma (NRC 2005). SO₂ is thought to induce airway constriction via neural reflexes involving irritant receptors in the airways (NRC 2005).

Particulate Matter. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. PM_{2.5} and PM₁₀ represent fractions of particulate matter. Coarse particulate matter (PM₁₀) consists of particulate matter that is 10 microns or less in diameter, which is about 1/7 the thickness of a human hair. Major sources of PM₁₀ include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter (PM_{2.5}) consists of particulate matter that is 2.5 microns or less in diameter, which is roughly 1/28 the diameter of a human hair. PM_{2.5} results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, PM_{2.5} can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and VOCs.

PM_{2.5} and PM₁₀ pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM_{2.5} and PM₁₀ can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the bloodstream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases such as chlorides or ammonium into the lungs, also causing injury. Whereas PM₁₀ tends to collect in the upper portion of the respiratory system, PM_{2.5} is so tiny that it can penetrate deeper into the lungs and damage lung tissue. Suspended particulates also damage and discolor surfaces on which they settle and produce haze and reduce regional visibility.

A number of adverse health effects have been associated with exposure to both PM_{2.5} and PM₁₀. For PM_{2.5}, short-term exposures (up to 24-hour duration) have been associated with premature mortality, increased hospital admissions for heart or lung causes, acute and chronic bronchitis, asthma attacks, emergency room visits, respiratory symptoms, and restricted activity days. These adverse health effects have been reported primarily in infants, children, and older adults with preexisting heart or lung diseases. In addition, of all of the common air pollutants, PM_{2.5} is associated with the greatest proportion of adverse health effects related to air pollution, both in the United States and worldwide based on the World Health Organization's Global Burden of Disease Project. Short-term exposures to PM₁₀ have been associated primarily with worsening of respiratory diseases, including asthma and chronic obstructive pulmonary disease, leading to hospitalization and emergency department visits (CARB 2017).

Long-term exposure (months to years) to PM_{2.5} has been linked to premature death, particularly in people who have chronic heart or lung diseases, and reduced lung function growth in children. The effects of long-term exposure to PM₁₀ are less clear, although several studies suggest a link between long-term PM₁₀ exposure and respiratory mortality. The International Agency for Research on Cancer published a review in 2015 that concluded that particulate matter in outdoor air pollution causes lung cancer (CARB 2017).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient (IQ) performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Sulfates. Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO₂ in the atmosphere and can result in respiratory impairment, as well as reduced visibility.

Vinyl Chloride. Vinyl chloride is a colorless gas with a mild, sweet odor, which has been detected near landfills, sewage plants, and hazardous waste sites, due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air can cause nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

Hydrogen Sulfide. Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

Visibility-Reducing Particles. Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the viewshed of natural scenery, reducing airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for PM_{2.5}.

Volatile Organic Compounds. Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O₃ are referred to and regulated as VOCs (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

The primary health effects of VOCs result from the formation of O₃ and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs. There are no separate ambient air quality standards for VOCs as a group.

Non-Criteria Air Pollutants

Toxic Air Contaminants. A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic non-cancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the state of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics “Hot Spots” Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects. Non-carcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter. Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70 the diameter of a human hair), and thus is a subset of PM_{2.5} (CARB 2019f). DPM is typically composed of carbon particles (“soot,” also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2019f). The CARB classified “particulate emissions from diesel-fueled engines” (i.e., DPM) (17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines: on-road diesel engines, including trucks, buses, and cars, and off-road diesel engines, including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is

associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of PM_{2.5}, DPM also contributes to the same non-cancer health effects as PM_{2.5} exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2019f). Those most vulnerable to non-cancer health effects are children, whose lungs are still developing, and older people, who often have chronic health problems.

Odorous Compounds. Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and overall is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air-pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air-pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The South Coast Air Quality Management District (SCAQMD) identifies sensitive receptors as residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

Sensitive receptors near Reclamation Plant No. 1 (Plant 1) include residential receptors approximately 100 feet from the western boundary of the site and 400 feet from the eastern site boundary. Similarly, sensitive receptors near Treatment Plant No. 2 (Plant 2) include residential receptors approximately 100 feet from the western boundary of the site. The joint plant projects would occur on Plant 1 and/or Plant 2, so the closest sensitive receptors would be the same as the ones identified for the Plants 1 and 2. The collection system and pump stations (collection system) projects are located within the Orange County Sanitation District (Sanitation District) operating region that include developed lands which support residential, commercial, education, and industrial land uses, as well as local and regional parks, and a variety of sensitive receptors.

4.2.2 Relevant Plans, Policies, and Ordinances

Federal

Criteria Air Pollutants

The federal Clean Air Act, passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. EPA is responsible for implementing most aspects of the Clean Air Act, including setting National

Ambient Air Quality Standards (NAAQS) for major air pollutants; setting hazardous air pollutant standards; approving state attainment plans; setting motor vehicle emissions standards; issuing stationary source emissions standards and permits; and establishing acid rain control measures, stratospheric O₃ protection measures, and enforcement provisions. NAAQS are established for criteria pollutants under the Clean Air Act, which are O₃, CO, NO₂, SO₂, PM₁₀, PM_{2.5}, and lead.

The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The NAAQS (other than for O₃, NO₂, SO₂, PM₁₀, PM_{2.5}, and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. NAAQS for O₃, NO₂, SO₂, PM₁₀, and PM_{2.5} are based on statistical calculations over 1- to 3-year periods, depending on the pollutant. The Clean Air Act requires EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a State Implementation Plan that demonstrates how those areas will attain the NAAQS within mandated timeframes.

Hazardous Air Pollutants

The 1977 federal Clean Air Act amendments required the EPA to identify National Emission Standards for Hazardous Air Pollutants to protect public health and welfare. Hazardous air pollutants (HAPs) include certain VOCs, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 federal Clean Air Act amendments, which expanded the control program for HAPs, 189 substances and chemical families were identified as HAPs.

State

Criteria Air Pollutants

The federal Clean Air Act delegates the regulation of air pollution control and the enforcement of the NAAQS to the states. In California, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for ensuring implementation of the California Clean Air Act of 1988, responding to the federal Clean Air Act, and regulating emissions from motor vehicles and consumer products.

CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. As stated previously, an ambient air quality standard defines the maximum amount of a pollutant averaged over a specified period of time that can be present in outdoor air without harm to the public's health. For each pollutant, concentrations must be below the relevant CAAQS before a geographical area can attain the corresponding CAAQS. Air quality is considered "in attainment" if pollutant levels are continuously below the CAAQS and violate the standards no more than once each year. The CAAQS for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, PM₁₀, and PM_{2.5} and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded.

California air districts have based their thresholds of significance for California Environmental Quality Act (CEQA) purposes on the levels that scientific and factual data demonstrate that the air basin can accommodate without affecting the attainment date for the NAAQS or CAAQS. Since an ambient air quality standard is based on maximum pollutant levels in outdoor air that would not harm the public's health, and air district thresholds pertain to attainment of the ambient air quality standard, this means that the thresholds established by air districts are also protective of human health.

The NAAQS and CAAQS are presented in Table 4.2-1.

Table 4.2-1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
Ozone (O ₃)	1 hour	0.09 ppm (180 µg/m ³)	–	Same as Primary Standard ^f
	8 hours	0.070 ppm (137 µg/m ³)	0.070 ppm (137 µg/m ³) ^f	
Nitrogen dioxide (NO ₂) ^g	1 hour	0.18 ppm (339 µg/m ³)	0.100 ppm (188 µg/m ³)	Same as Primary Standard
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	
Carbon monoxide (CO)	1 hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	None
	8 hours	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	
Sulfur dioxide (SO ₂) ^h	1 hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)	–
	3 hours	–	–	0.5 ppm (1,300 µg/m ³)
	24 hours	0.04 ppm (105 µg/m ³)	0.14 ppm (for certain areas) ^g	–
	Annual	–	0.030 ppm (for certain areas) ^g	–
Course Particulate Matter (PM ₁₀) ⁱ	24 hours	50 µg/m ³	150 µg/m ³	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m ³	–	
Fine Particulate Matter (PM _{2.5}) ⁱ	24 hours	–	35 µg/m ³	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m ³	12.0 µg/m ³	15.0 µg/m ³
Lead ^{j,k}	30-day Average	1.5 µg/m ³	–	–
	Calendar Quarter	–	1.5 µg/m ³ (for certain areas) ^k	Same as Primary Standard
	Rolling 3-Month Average	–	0.15 µg/m ³	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m ³)	–	–
Vinyl chloride ^l	24 hours	0.01 ppm (26 µg/m ³)	–	–
Sulfates	24 hours	25 µg/m ³	–	–
Visibility-reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to particles when the relative humidity is less than 70%	–	–

Source: CARB 2016.

Notes: ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; mg/m³ = milligrams per cubic meter; PST = Pacific Standard Time.

^a California standards for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, suspended particulate matter—PM₁₀, PM_{2.5}, and visibility-reducing particles—are values that are not to be exceeded. All others are not to be equaled or exceeded. California Ambient Air Quality Standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

- b National standards (other than O₃, NO₂, SO₂, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The O₃ standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM_{2.5}, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.
- c Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25 °C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25 °C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- d National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- e National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- f On October 1, 2015, the primary and secondary National Ambient Air Quality Standards for O₃ were lowered from 0.075 ppm to 0.070 ppm
- g To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- h On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
- i On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
- j CARB has identified lead and vinyl chloride as TACs with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- k The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

Toxic Air Contaminants

The state Air Toxics Program was established in 1983 under AB 1807 (Tanner). The California TAC list identifies more than 700 pollutants, of which carcinogenic and non-carcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) HAPs. In 1987, the Legislature enacted the Air Toxics “Hot Spots” Information and Assessment Act of 1987 (AB 2588) to address public concern over the release of TACs into the atmosphere. AB 2588 law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years. TAC emissions from individual facilities are quantified and prioritized. “High-priority” facilities are required to perform a health risk assessment, and if specific thresholds are exceeded, the facility operator is required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines (CARB 2000). The regulation is anticipated to result in an 80% decrease in statewide diesel health risk in 2020 compared with the diesel risk in 2000. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment Program. These regulations and programs have timetables

by which manufacturers must comply and existing operators must upgrade their diesel-powered equipment. There are several airborne toxic control measures that reduce diesel emissions, including In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

California Health and Safety Code Section 41700

Section 41700 of the Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; or that endanger the comfort, repose, health, or safety of any of those persons or the public; or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

Regional and Local

South Coast Air Quality Management District

While CARB is responsible for the regulation of mobile emissions sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. SCAQMD is the regional agency responsible for the regulation and enforcement of federal, state, and local air pollution control regulations in the SCAB, where the project is located. SCAQMD operates monitoring stations in the SCAB, develops rules and regulations for stationary sources and equipment, prepares emissions inventory and air quality management planning documents, and conducts source testing and inspections. SCAQMD's Air Quality Management Plans (AQMPs) include control measures and strategies to be implemented to attain the CAAQS and NAAQS in the SCAB. SCAQMD then implements these control measures as regulations to control or reduce criteria pollutant emissions from stationary sources or equipment.

The most-recently adopted AQMP is the 2016 AQMP (SCAQMD 2017), which was adopted by the SCAQMD governing board on March 3, 2017. The 2016 AQMP is a regional blueprint for achieving air quality standards and healthful air. The 2016 AQMP addresses criteria air pollutant emissions from ocean-going vessels, which are considered federal sources, and includes emissions associated with marine vessels and engines in the baseline year and future forecasts. The 2016 AQMP's overall control strategy is an integral approach relying on fair-share emission reductions from federal, state, and local levels. The 2016 AQMP is composed of stationary and mobile source emission reductions from traditional regulatory control measures, incentive-based programs, co-benefits from climate programs, mobile source strategies, and reductions from federal sources (SCAQMD 2017). These control strategies are to be implemented in partnership with CARB and EPA.

The previous AQMP was the 2012 AQMP, which was adopted in February 2013 (SCAQMD 2013). The 2012 AQMP proposed policies and measures to achieve national and California standards for improved air quality in the SCAB and those portions of the Salton Sea Air Basin (formerly named the Southeast Desert Air Basin) that are under SCAQMD jurisdiction. The 2012 AQMP is designed to meet applicable federal and state requirements for O₃ and particulate matter. The 2012 AQMP documents that attainment of the federal 24-hour PM_{2.5} standard is impracticable by 2015 and the SCAB should be classified as a "Serious" nonattainment area along with the appropriate federal requirements. The 2012 AQMP includes the planning requirements to meet the 1-hour O₃ standard. The 2012 AQMP demonstrates attainment of the federal 24-hour PM_{2.5} standard by 2014 in the SCAB through adoption of all feasible measures. Finally, the 2012 AQMP updates the EPA-approved 8-hour O₃ control plan with new measures designed to reduce reliance on the Clean Air Act section 182(e)(5) long-term measures for NO_x and VOC reductions. The 2012 AQMP reduction and control measures, which are outlined to mitigate

emissions, are based on existing and projected land use and development. The EPA, with a final ruling on April 14, 2016, approved the Clean Air Act planning requirements for the 24-hour PM_{2.5} standard portion and on September 3, 2014, approved the 1-hour O₃ Clean Air Act planning requirements.

Applicable Rules

Emissions that would result from project construction may be subject to SCAQMD rules and regulations, which may include the following:

Rule 201 – Permit to Construct. This rule establishes an orderly procedure for the review of new and modified sources of air pollution through the issuance of permits. Rule 201 specifies that any facility installing nonexempt equipment that causes or controls the emissions of air pollutants must first obtain a permit to construct from SCAQMD.

Rule 202 – Temporary Permit to Operate. This rule requires a person to obtain a permit to construct prior to operating new equipment, altered equipment, or existing equipment that is being put into service.

Rule 203 – Permit to Operate. This rule states that a person shall not operate or use any equipment permit unit, the use of which may cause the issuance of air contaminants, or the use of which may reduce or control the issuance of air contaminants, without first obtaining a written permit to operate from the Executive Officer.

Rule 212 – Standards for Approving Permits and Issuing Public Notice. This rule outlines the standards for approving permits, including permits to construct and permits to operate, and the process for public notification and comment.

Rule 219 – Equipment Not Requiring a Written Permit Pursuant to Regulation II. This rule identifies equipment, processes, or operations that emit small amounts of air contaminant that shall not require written permits.

Rule 401 – Visible Emissions. This rule establishes the limit for visible emissions from stationary sources for a period or periods aggregating more than three minutes in any hour. This rule prohibits visible emissions dark or darker than Ringelmann No. 1 for periods greater than three minutes in any hour or such opacity which could obscure an observer’s view to a degree equal or greater than does smoke.

Rule 402 – Nuisance. This rule prohibits the discharge of air pollutants from a facility that cause injury, detriment, nuisance, or annoyance to the public or damage to business or property.

Rule 403 – Fugitive Dust. This rule requires fugitive dust sources to implement best available control measures for all sources and prohibits all forms of visible particulate matter from crossing any property line. SCAQMD Rule 403 is intended to reduce PM₁₀ emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust.

Rule 431.2 – Sulfur Content of Liquid Fuels. The purpose of this rule is to limit the sulfur content in diesel and other liquid fuels for the purpose both of reducing the formation of SO_x and particulates during combustion and of enabling the use of add-on control devices for diesel-fueled internal combustion engines. The rule applies to all refiners, importers, and other fuel suppliers such as distributors, marketers, and retailers, as well as to users of diesel, low-sulfur diesel, and other liquid fuels for stationary-source applications in the SCAQMD. The rule also affects diesel fuel supplied for mobile source applications.

Rule 1113 – Architectural Coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.

Rule 1166 – VOC Emissions from Decontamination of Soil. This rule sets requirements to control the emission of VOCs from excavating, grading, handling, and treating VOC-contaminated soil as a result of leakage from storage or transfer operations, accidental spillage, or other deposition.

Rule 1401 – New Source Review of Toxic Air Contaminants. This rule specifies limits for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard index from new permit units, relocations, or modifications to existing permit units, which emit toxic air contaminants listed in Table I of Rule 1401. The rule establishes allowable risks for permit units requiring new permits pursuant to Rules 201 or 203.

Regulation XIV—Rule 1403, Asbestos Emissions from Demolition/Renovation Activities. This rule states that an owner or operator of any demolition or renovation activity is required to have an asbestos study performed prior to demolition and to provide notification to SCAQMD prior to commencing demolition activities.

Rule 1470 – Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines. This rule sets the requirements for ownership and operation of stationary compression ignition engines within SCAQMD with a rated brake horsepower greater than 50. Rule 1470 limits the particulate matter, hydrocarbons, NO_x, non-methane hydrocarbons plus NO_x, and CO from stationary compression ignition engines and implements the Airborne Toxics Control Measure for Stationary Compression Ignition Engines that was approved by CARB in February 2004.

Regulation XIII – New Source Review. This regulation sets preconstruction review requirements for new, modified, or relocated facilities to ensure that the operation of such facilities does not interfere with progress in attainment of the NAAQS and that future economic growth within SCAQMD is not unnecessarily restricted. The specific air quality goal of this regulation is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors. In addition to nonattainment air contaminants, this regulation will also limit emissions increases of ammonia and O₃-depleting compounds from new, modified, or relocated facilities by requiring the use of best available control technology.

Regulation XIV – Toxics and Other Non-Criteria Pollutants. This regulation includes rules that regulate toxics and other non-criteria pollutants. It provides specifications for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard index from new permit units, relocations, or modifications to existing permit units that emit TACs. The rules establish allowable risks for permit units requiring new permits pursuant to Rules 201 or 203. Under this regulation, Rule 1401 (New Source Review of Toxic Air Contaminants) specifies limits for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard indices from new permit units, relocations, or modifications to existing permit units that emit TACs listed in the rule.

Regulation XXX – Title V Permits. The Title V Permit system is the air pollution control permit system required to implement the federal Operating Permit Program as required by Title V of the federal Clean Air Act as amended in 1990 and to implement requirements for greenhouse gases pursuant to 40 CFR Parts 70. This regulation defines permit application and issuance procedures as well as compliance requirements associated with the program.

Southern California Association of Governments

The Southern California Association of Governments (SCAG) is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to

transportation, the economy, community development, and the environment. SCAG serves as the federally designated metropolitan planning organization for the Southern California region and is the largest metropolitan planning organization in the United States.

With respect to air quality planning and other regional issues, SCAG has prepared the 2008 Regional Comprehensive Plan: Helping Communities Achieve a Sustainable Future (2008 RCP) for the region (SCAG 2008). The 2008 RCP sets the policy context in which SCAG participates in and responds to the SCAQMD air quality plans and builds off the SCAQMD AQMP processes that are designed to meet health-based criteria pollutant standards in several ways (SCAG 2008). First, it complements AQMPs by providing guidance and incentives for public agencies to consider best practices that support the technology-based control measures in AQMPs. Second, the 2008 RCP emphasizes the need for local initiatives that can reduce the region’s greenhouse gas emissions that contribute to climate change, an issue that is largely outside the focus of local attainment plans. Third, the 2008 RCP emphasizes the need for better coordination of land use and transportation planning, which heavily influences the emissions inventory from the transportation sectors of the economy. This also minimizes land use conflicts, such as residential development near freeways, industrial areas, or other sources of air pollution.

On April 7, 2016, SCAG’s Regional Council adopted the 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (2016 RTP/SCS). The 2016 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The 2016 RTP/SCS charts a course for closely integrating land use and transportation so that the region can grow smartly and sustainably. The 2016 RTP/SCS was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, nonprofit organizations, businesses, and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. In June 2016, SCAG received its conformity determination from the Federal Highway Administration and the Federal Transit Administration indicating that all air quality conformity requirements for the 2016 RTP/SCS and associated 2015 Federal Transportation Improvement Program Consistency Amendment through Amendment 15-12 have been met (SCAG 2016). The SCAQMD 2016 AQMP applies the updated SCAG growth forecasts assumed in the 2016 RTP/SCS.

SCAG has developed Connect SoCal, the 2020–2045 RTP/SCS, which is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. Connect SoCal charts a path toward a more mobile, sustainable, and prosperous region by making connections between transportation networks, planning strategies, and the people whose collaboration can improve the quality of life for Southern Californians. Connect SoCal embodies a collective vision for the region’s future and is developed with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses, and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. On May 7, 2020, SCAG’s Regional Council adopted Connect SoCal for federal transportation conformity purposes only. SCAG’s 2020–2045 RTP/SCS was adopted on September 3, 2020. In light of the COVID-19 pandemic, the Regional Council will consider approval of Connect SoCal in its entirety and for all other purposes within 120 days from May 7, 2020.

Regional and Local Air Quality Conditions

SCAB Attainment Designation

Pursuant to the 1990 federal Clean Air Act amendments, EPA classifies air basins (or portions thereof) as “attainment” or “nonattainment” for each criteria air pollutant based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as “attainment” for that

pollutant. If an area exceeds the standard, the area is classified as “nonattainment” for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as “unclassified” or “unclassifiable.” The designation of “unclassifiable/attainment” means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are re-designated as maintenance areas and must have approved Maintenance Plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as “attainment” or “nonattainment,” but based on CAAQS rather than the NAAQS. Table 4.2-2 depicts the current attainment status of the SCAB with respect to the NAAQS and CAAQS.

Table 4.2-2. South Coast Air Basin Attainment Classification

Pollutant	Designation/Classification	
	National Standards	California Standards
Ozone (O ₃), 1-hour	No national standard	Nonattainment
Ozone (O ₃), 8-hour	Extreme nonattainment	Nonattainment
Nitrogen Dioxide (NO ₂)	Unclassifiable/attainment	Attainment
Carbon Monoxide (CO)	Attainment/maintenance	Attainment
Sulfur Dioxide (SO ₂)	Unclassifiable/attainment	Attainment
Coarse Particulate Matter (PM ₁₀)	Attainment/maintenance	Nonattainment
Fine Particulate Matter (PM _{2.5})	Serious nonattainment	Nonattainment
Lead	Nonattainment	Attainment
Hydrogen Sulfide	No national standard	Unclassified
Sulfates	No national standard	Attainment
Visibility-Reducing Particles	No national standard	Unclassified
Vinyl Chloride	No national standard	No designation

Sources: EPA 2020a (national); CARB 2019g (California).

Notes: Bold text = not in attainment; attainment = meets the standards; attainment/maintenance = achieves the standards after a nonattainment designation; nonattainment = does not meet the standards; unclassified or unclassifiable = insufficient data to classify; unclassifiable/attainment = meets the standard or is expected to be meet the standard despite a lack of monitoring data.

In summary, the SCAB is designated as a nonattainment area for federal and state O₃ standards and federal and state PM_{2.5} standards. The SCAB is designated as a nonattainment area for state PM₁₀ standards; however, it is designated as an attainment area for federal PM₁₀ standards. The SCAB is designated as an attainment area for federal and state CO standards, federal and state NO₂ standards, and federal and state SO₂ standards. While the SCAB has been designated as nonattainment for the federal rolling 3-month average lead standard, it is designated attainment for the state lead standard (EPA 2020a; CARB 2019g).

Despite the current nonattainment status, air quality in the SCAB has generally improved since the inception of air pollutant monitoring in 1976. This improvement is mainly a result of lower-polluting on-road motor vehicles, more stringent regulation of industrial sources, and the implementation of emission reduction strategies by SCAQMD. This trend toward cleaner air has occurred in spite of continued population growth. PM₁₀ levels have declined almost 50% since 1990, and PM_{2.5} levels have also declined 50% since measurements began in 1999 (SCAQMD 2013). Similar improvements are observed with O₃, although the rate of O₃ decline has slowed in recent years.

Local Ambient Air Quality

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. SCAQMD monitors local ambient air quality at the project site. Air quality monitoring

stations usually measure pollutant concentrations 10 feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. The most recent background ambient air quality data from 2016 to 2018 are presented in Table 4.2-3.

Four air quality monitoring stations are located throughout Orange County, including Anaheim (1630 West Pampas Lane), Anaheim (812 West Vermont Street), Costa Mesa (2850 Mesa Verde Drive), and La Habra (West Lambert Road). Given that individual projects associated with the project collection system are distributed throughout Orange County, data were examined for each of the four air quality monitoring sites and the maximum air pollutant average is presented in Table 4.2-3. The data collected at these stations are considered representative of the air quality experienced in the project vicinity. The number of days exceeding the ambient air quality standards is also shown in Table 4.2-3.

Table 4.2-3. Local Ambient Air Quality Data

Monitoring Station	Unit	Averaging Time	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
					2016	2017	2018	2016	2017	2018
Ozone (O3)										
West Lambert Road	ppm	Maximum 1-hour concentration	California	0.09	0.103	0.113	0.111	3	5	3
	ppm	Maximum 8-hour concentration	California	0.070	0.079	0.087	0.078	7	12	4
National			0.070	0.078	0.086	0.077	6	12	4	
Nitrogen Dioxide (NO2)										
West Vermont Street	ppm	Maximum 1-hour concentration	California	0.18	0.075	0.086	0.061	0	0	0
			National	0.100	0.0752	0.0864	0.0617	0	0	0
	ppm	Annual concentration	California	0.030	0.023	0.022	0.020	—	—	—
National			0.053	—	—	—	—	—	—	
Carbon Monoxide (CO)										
West Vermont Street	ppm	Maximum 1-hour concentration	California	20	—	—	—	—	—	—
			National	35	3.7	3.3	2.7	0	0	0
	ppm	Maximum 8-hour concentration	California	9.0	—	—	—	—	—	—
National			9	2.2	2.6	2.2	0	0	0	
Sulfur Dioxide (SO2)										
Mesa Verde Drive	ppm	Maximum 1-hour concentration	National	0.075	0.033	0.019	—	0	0	0
	ppm	Maximum 24-hour concentration	National	0.14	0.007	0.005	—	0	0	0
	ppm	Annual concentration	National	0.030	0.0011	0.001 ^a	—	0	0	0

Table 4.2-3. Local Ambient Air Quality Data

Monitoring Station	Unit	Averaging Time	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
					2016	2017	2018	2016	2017	2018
Coarse Particulate Matter (PM₁₀)^b										
Pampas Lane	µg/m ³	Maximum 24-hour concentration	California	50	74.0	95.7	94.6	18.4 (3)	32.8 (5)	12.0 (2)
			National	150	74.0	95.7	94.6	0.0 (0)	0.0 (0)	0.0 (0)
	µg/m ³	Annual concentration	California	20	28.0	26.9	27.7	—	—	—
Fine Particulate Matter (PM_{2.5})^b										
Pampas Lane	µg/m ³	Maximum 24-hour concentration	National	35	44.4	53.9	63.1	1.1 (1)	ND (7)	7.2 (7)
			California	12	45.5	56.2	68.0	—	—	—
	µg/m ³	Annual concentration		National	12.0	9.4	ND	11.4	—	—

Sources: CARB 2020; EPA 2020b.

Notes: ppm = parts per million by volume; — = not available; µg/m³ = micrograms per cubic meter; ND = insufficient data available to determine the value.

Data taken from CARB iADAM (<http://www.arb.ca.gov/adam>) and EPA AirData (<http://www.epa.gov/airdata/>) represent the highest concentrations experienced over a given year.

Exceedances of national and California standards are only shown for O₃ and particulate matter. Daily exceedances for particulate matter are estimated days because PM₁₀ and PM_{2.5} are not monitored daily. All other criteria pollutants did not exceed national or California standards during the years shown. There is no national standard for 1-hour O₃, annual PM₁₀, or 24-hour SO₂, nor is there a California 24-hour standard for PM_{2.5}.

Anaheim – Pampas Lane Monitoring Station is located at 1630 W. Pampas Lane, Anaheim, California 92802.

Anaheim – Vermont Street Monitoring Station is located at 812 W. Vermont Street, Anaheim, California 92802.

Costa Mesa – Mesa Verde Drive Monitoring Station is located at 2850 E. Mesa Verde Drive, Costa Mesa, California 92626.

La Habra – Lambert Road Monitoring Station is located at 621 W. Lambert Road, La Habra, California 90631.

^a Mean does not satisfy minimum data completeness criteria.

^b Measurements of PM₁₀ and PM_{2.5} are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.

4.2.3 Thresholds of Significance

4.2.3.1 Significance Criteria

The significance criteria used to evaluate the proposed FMP's impacts to air quality are based on Appendix G of the CEQA Guidelines. According to Appendix G, a significant impact related to air quality would occur if a project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether a proposed project would have a significant impact on air quality.

SCAQMD has established Air Quality Significance Thresholds, as revised in April 2019, that set forth quantitative emission significance thresholds below which a project would not have a significant impact on ambient air quality (SCAQMD 2019). The quantitative air quality analysis provided herein applies the SCAQMD thresholds identified in Table 4.2-4 to determine the potential for the project to result in a significant impact under CEQA.

Table 4.2-4. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	Construction (pounds per day)	Operation (pounds per day)
VOCs	75	55
NO _x	100	55
CO	550	550
SO _x	150	150
PM ₁₀	150	150
PM _{2.5}	55	55
Lead ^a	3	3
TACs and Odor Thresholds		
TACs ^b	Maximum incremental cancer risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic and acute hazard index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Ambient Air Quality Standards for Criteria Pollutants^c		
NO ₂ 1-hour average NO ₂ annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.030 ppm (state) and 0.0534 ppm (federal)	
CO 1-hour average CO 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state/federal)	
PM ₁₀ 24-hour average	10.4 $\mu\text{g}/\text{m}^3$ (construction) ^d 2.5 $\mu\text{g}/\text{m}^3$ (operation)	
PM ₁₀ annual average	1.0 $\mu\text{g}/\text{m}^3$	
PM _{2.5} 24-hour average	10.4 $\mu\text{g}/\text{m}^3$ (construction) ^d 2.5 $\mu\text{g}/\text{m}^3$ (operation)	

Source: SCAQMD 2019.

Notes: SCAQMD = South Coast Air Quality Management District; VOC = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; TAC = toxic air contaminant; NO₂ = nitrogen dioxide; ppm = parts per million by volume; $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter.

greenhouse gas emissions thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not included in this table as they are addressed within the greenhouse gas emissions analysis and not the air quality analysis.

^a The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

^b TACs include carcinogens and noncarcinogens.

^c Ambient air quality standards for criteria pollutants are based on SCAQMD Rule 1303, Table A-2, unless otherwise stated.

^d Ambient air quality threshold are based on SCAQMD Rule 403.

The phasing out of leaded gasoline started in 1976. As gasoline no longer contains lead, the proposed project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

The evaluation of whether the project would conflict with or obstruct implementation of the applicable air quality plan (CEQA Guidelines, Appendix G, Threshold 1) is based on the SCAQMD CEQA Air Quality Handbook (SCAQMD 1993), Chapter 12, Sections 12.2 and 12.3. The first criterion assesses whether the project would result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards of the interim emissions reductions specified in the AQMP, which is addressed in detail under Section 4.2.4(b) in Section 4.2.4, Impacts Analysis. The second criterion is whether the project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase, as discussed further in Section 4.2.4(a).

To evaluate the potential for the proposed FMP to result in a cumulatively considerable net increase of any criteria pollutant for which the FMP region is nonattainment under an applicable federal or state ambient air quality standard (CEQA Guidelines, Appendix G, Threshold 2), this analysis applies SCAQMD's construction criteria pollutants mass daily thresholds, as shown in Table 4.2-4. Only those thresholds related to potentially significant construction impacts are applied herein because the FMP would not generate substantial criteria pollutant emissions or related impacts associated with operational activities. A project would potentially result in a cumulatively considerable net increase in O₃, which is a nonattainment pollutant, if the project's construction emissions would exceed the SCAQMD VOC or NO_x thresholds shown in Table 4.2-4. These emissions-based thresholds for O₃ precursors are intended to serve as a surrogate for an "ozone significance threshold" (i.e., the potential for adverse O₃ impacts to occur). This approach is used because O₃ is not emitted directly, and the effects of an individual project's emissions of O₃ precursors (VOC and NO_x) on O₃ levels in ambient air cannot be determined through air quality models or other quantitative methods.

The assessment of the FMP's potential to expose sensitive receptors to substantial pollutant concentrations (CEQA Guidelines, Appendix G, Threshold 3) includes a localized significance threshold (LST) analysis, as recommended by SCAQMD, to evaluate the potential of localized air quality impacts to sensitive receptors in the immediate vicinity of a proposed project from construction and operation. For project sites of 5 acres or less, the SCAQMD LST Methodology (SCAQMD 2009) includes lookup tables that can be used to determine the maximum allowable daily emissions that would satisfy the localized significance criteria (i.e., the emissions would not cause an exceedance of the applicable concentration limits for NO₂, CO, PM₁₀, and PM_{2.5}) without performing project-specific dispersion modeling.

The LST significance thresholds for NO₂ and CO represent the allowable increase in concentrations above background levels in the vicinity of a project that would not cause or contribute to an exceedance of the relevant ambient air quality standards, while the threshold for PM₁₀ represents compliance with Rule 403 (Fugitive Dust). The LST significance threshold for PM_{2.5} is intended to ensure that construction emissions do not contribute substantially to existing exceedances of the PM_{2.5} ambient air quality standards. The allowable emission rates depend on the following parameters:

1. Source-Receptor Area (SRA) in which the project is located
2. Size of the project site
3. Distance between the project site and the nearest sensitive receptor (e.g., residences, schools, hospitals)

Plant 1, Plant 2, and the joint plant activities would be in SRA 18 (North Coastal Orange County). There are five SRAs in Orange County where the proposed collection system improvements would occur. These include SRA 16 (North Orange County), SRA 17 (Central Orange County), SRA 18 (North Coastal Orange County), SRA 19

(Saddleback Valley), and SRA 20 (Central Orange County Coastal). The most stringent LST for these five SRAs are applied to the collection system projects.

LST pollutant screening level concentration data is currently published for 1-, 2-, and 5-acre sites for varying distances (25, 50, 100, 200, and 500 meters [approximately 82, 160, 330, and 660 feet]). The projects under the proposed FMP would have minimal disturbance, so a 1-acre disturbance area was assumed for all projects. While some FMP projects may have a total disturbance footprint greater than 1 acre, it is not reasonably foreseeable that projects would disturb greater than 1 acre per day. Specifically, the Plants 1 and 2 projects are planned on sites that are already developed, thus intensive ground-disturbing activities are not called for as part of the FMP. Additionally, the “demolition” component of these projects call for equipment removal that would not require ground disturbance. The collection system projects are generally smaller projects that would not require large daily footprints. LSTs are more stringent for smaller areas (i.e., 1-acre LSTs are more stringent than 2-acre and 5-acre LSTs); therefore, this approach is conservative.

As discussed in Section 4.2.1, sensitive receptors near Plant 1 include residential receptors approximately 100 feet from the western boundary of the site and 400 feet from the eastern site boundary; sensitive receptors near Plant 2 include residential receptors approximately 100 feet from the western boundary of the site. Accordingly, LSTs reflecting a 25-meter distance (approximately 82 feet) and 1-acre disturbance area were applied to Plant 1, Plant 2, and joint plant projects, which would occur on Plant 1 and/or Plant 2. For the collection system projects, LSTs reflecting a 25-meter distance, which is the shortest distance provided by the SCAQMD lookup tables, and a 1-acre disturbance area were also applied, as sensitive receptors could be within 25 meters of anticipated construction activities.

LST values for Plant 1, Plant 2, and joint plant projects in SRA 18 and the LST values for the collection system throughout the Orange County SRAs, as well as the most stringent LST for the collection system projects, are presented in Table 4.2-5.

Table 4.2-5. Localized Significance Thresholds for Applicable Source-Receptor Areas

Pollutant	Thresholds (pounds per day)
	1-Acre Project Site, 25 Meters (82 feet)
Plant 1, Plant 2, and Joint Plant	
SRA 18 (North Coastal Orange County)	
NO ₂	92
CO	647
PM ₁₀	4
PM _{2.5}	3
Collection System	
SRA 16 (North Orange County)	
NO ₂	103
CO	522
PM ₁₀	4
PM _{2.5}	3
SRA 17 (Central Orange County)	
NO ₂	81
CO	485

Table 4.2-5. Localized Significance Thresholds for Applicable Source-Receptor Areas

Pollutant	Thresholds (pounds per day)
	<i>1-Acre Project Site, 25 Meters (82 feet)</i>
PM ₁₀	4
PM _{2.5}	3
<i>SRA 18 (North Coastal Orange County)</i>	
NO ₂	92
CO	647
PM ₁₀	4
PM _{2.5}	3
<i>SRA 19 (Saddleback Valley)</i>	
NO ₂	91
CO	696
PM ₁₀	4
PM _{2.5}	3
<i>SRA 20 (Central Orange County Coastal)</i>	
NO ₂	92
CO	647
PM ₁₀	4
PM _{2.5}	3
<i>Most Stringent LST</i>	
NO ₂	81
CO	647
PM ₁₀	4
PM _{2.5}	3

Source: SCAQMD 2009.

Notes: SRA = Source-Receptor Area; NO₂ = nitrogen dioxide; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; LST = localized significance threshold.

LSTs are shown for 1-acre project sites corresponding to a distance to a sensitive receptor of 25 meters.

The assessment of the FMP's potential to expose sensitive receptors to substantial pollutant concentrations (CEQA Guidelines, Appendix G, Threshold 3) also includes a construction health risk assessment (HRA) for Plant 1 and Plant 2. A qualitative CO hotspot analysis is also included in Section 4.2.4(c), based on comparison to the SCAQMD 2003 AQMP CO hotspot analysis.

The potential for the FMP to result in other emissions, specifically an odor impact (CEQA Guidelines, Appendix G, Threshold 4), is based on the FMP's land-use types and anticipated construction activity, and the potential for the FMP to create an odor nuisance pursuant to SCAQMD Rule 402.

4.2.3.2 Approach and Methodology

Construction

The California Emissions Estimator Model (CalEEMod) Version 2016.3.2 was used to estimate emissions generated during construction of each project modeled. CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant emissions associated with construction

activities from a variety of land use projects, such as residential, commercial, and industrial facilities. For Plant 1, all project-level projects (7 projects) and all program-level projects (10 projects) were modeled, for a total of 17 model runs. For Plant 2, all project-level projects (5 projects) and all program-level projects (10 projects) were modeled, for a total of 15 model runs. For the joint plant projects, all project-level projects (8 projects) were modeled, resulting in a total of 6 model runs since projects X-057, X-058, and X-059 were modeled in one run because they are essentially one project; there are no program-level joint plant projects.

For the collection system, all project-level projects (10 projects) were modeled. For the program-level collection system projects, a representative project approach was applied to provide a conservative analysis of collection system projects without modeling each project. The program-level activities were grouped by type of activity (e.g., pipeline replacement and pump station rehabilitation), and representative projects were identified that would represent the greatest anticipated intensity of daily and annual construction (in other words, the worst case scenario). Construction specifications of each activity would vary depending on the subject site characteristics, improvement needs, and type of proposed rehabilitation or replacement; however, construction activities within the same category are not expected to differ substantially. Because several of the proposed activities address similar issues, the proposed solutions (such as rehabilitation or replacement) include similar procedures, many of which are techniques the Sanitation District has historically used to address similar issues, such as aging infrastructure. A total of 9 collection system representative projects were modeled that represent 25 program-level projects, resulting in a total of 19 collection system model runs. A summary of the representative projects modeled is as follows:

- **Air Jumpers.** Project X-078, Air Jumper Additions and Rehabilitation, was modeled as 1 air jumper addition project; however, there are 56 air jumper rehabilitation projects. Construction of a maximum of 2 air jumpers could occur in 1 day. The 56 air jumper projects are assumed to be completed over 10 years (from May 2023 to April 2033), ranging from 3 to 6 projects each year.
- **Pipeline Replacement – Open Trench (Cut and Cover) Method.** Project X-066, Tustin–Orange Interceptor Sewer at Reach 18 Rehabilitation, was selected to represent pipeline replacement activity using traditional open-trench construction techniques. The following pipeline replacement projects are represented by project X-066: project X-026, College Avenue Force Main Rehabilitation; project X-065, Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation; project X-068, North Trunk Rehabilitation; and project X-084, Tustin Avenue Sewer Relief. Project X-066 involves 3,819 linear feet of pipeline replacement, and all projects represented by it would require less linear feet in total (ranging from 615 linear feet to 1,742 linear feet) but are anticipated to require the same level of daily construction activity (i.e., approximately 100 feet per day).
- **Pipeline Replacement – Open Trench (Unique Project).** Project X-086, Santa Ana River Sewer Relief, includes open-trench pipeline replacement similar to project X-066; however, it requires replacement of approximately 14,270 linear feet. While the daily activity (i.e., approximately 100 feet per day) is anticipated to be the same as the pipeline replacement representative projects, the longer duration of construction would result in greater total emissions; therefore, project X-086 was modeled separately.
- **Pipeline Replacement – Microtunneling.** One pipeline replacement project, project 3-68, Los Alamitos Sub-Trunk Extension, was identified as using the microtunneling construction technique rather than open trench. Accordingly, project 3-68 was modeled separately.
- **Pipeline Relining.** Pipeline relining involves less construction intensity (i.e., approximately 200 feet per day) than pipeline replacement and was therefore modeled separately. Project 7-65, Gisler–Red Hill Interceptor Rehabilitation, was selected to represent pipeline relining because it is the longest pipeline reline project (approximately 13,249 linear feet), which also represents project 7-66 Sunflower and Red Hill Interceptor Rehab/Repair.

- **Pipeline Replacement and Pipeline Relining.** Some pipeline rehabilitation projects include both pipeline replacement and pipeline relining per the needs of different segments in the pipelines. Project X-071, Edinger/Springdale Trunk Sewer Rehabilitation, was selected to represent pipeline replacement and relining activities because it involves the greatest length of pipeline replaced (approximately 5,264 linear feet) and pipeline relined (approximately 5,750 linear feet), which represents the following projects: project 7-68, MacArthur Dual Force Main Improvements; project X-067 (X-085), Hoover–Western Sub-Trunks Sewer Rehabilitation, and project X-061, Imperial Highway Relief Interceptor Rehabilitation.
- **Pump Station Rehabilitation.** Project X-040, College Avenue Pump Station Replacement, was identified to represent a typical pump station rehabilitation project, which represents project X-024, Rocky Point Pump Station Rehabilitation, and project X-025, Bitter Point Pump Station Rehabilitation. Projects X-040, X-024, and X-025 are all very similar; however, project X-040 was selected to represent pump station rehabilitation because it includes additional minor structural repair.
- **Pump Station Rehabilitation and Pipeline Replacement.** One pump station project, project 7-63, MacArthur Pump Station Rehabilitation, also included replacement of two adjacent force mains and was modeled separately.
- **Pump Station Rehabilitation and Pipeline Relining.** Seven projects were identified as pump station rehabilitation and relining of adjacent pipelines, and project 7-67, Main Street Pump Station Replacement and Force Main Rehabilitation, was selected to represent this combined activity because it involves the greatest length of pipeline relining (approximately 6,000 linear feet); the pump station rehabilitation component is anticipated to be relatively the same across projects. The following projects are represented by the project 7-67 model run: project X-023, Lido Pump Station Rehabilitation; project 11-34, Slater Avenue Pump Station Rehabilitation; project 7-64, Main Street Pump Station Rehabilitation; project X-022, 15th Street Pump Station Rehabilitation; project X-041, A Street Pump Station Rehabilitation; and project 5-66, Crystal Cove Pumping Station Upgrade and Rehabilitation.

A total of 57 model runs were conducted to represent 75 projects. However, note that project X-078, Air Jumper Additions and Rehabilitation, involves 56 separate additions or rehabilitations of air jumpers across the Sanitation District service area. A construction assumptions scenario was developed for each of the 57 projects modeled based on the best available project information at this time. Key construction assumptions include phase types, phase timing and duration, off-road equipment use (e.g., type, quantity, and hours of operation per day), number of vehicle trips (e.g., haul trucks, vendor trucks, and worker vehicles) and trip distance, ground disturbance acreage, amount of demolition debris, paving area, and square footage to be painted. See Appendix D for construction assumption details.

The selected phase type and duration were based on the best available information including the Sanitation District's 2017 Facilities Master Plan and/or project descriptions provided by the Sanitation District. Phase timing and sequencing was considered where two or more phases overlap; the maximum daily emissions was estimated and presented in this analysis.

Off-road equipment emissions were estimated in CalEEMod based on the type of equipment, the number of pieces of each equipment, and the hours of operation. CalEEMod default values for equipment horsepower and load factor were applied; in a few instances, the horsepower was modified to reflect the specific equipment anticipated to be used to more accurately estimate potential emissions.⁶ For most project model runs, the equipment was assumed to be in operation for 8 hours per day, which is the anticipated maximum daily use; in reality, it is anticipated that

⁶ For example, for project P2-138, the crushing/processing equipment was assumed to be 415 horsepower to reflect a larger crusher than CalEEMod default values assume (i.e., 85 horsepower).

equipment would be used for less than 8 hours a day when considering mandated worker breaks and that equipment would only be operated when needed; in addition, it is anticipated that the construction areas cannot allow every piece of equipment to be in operation at the same time. The estimation of off-road equipment emissions and total maximum daily project emissions is therefore conservative. Internal combustion engines used by construction equipment would result in emissions of VOCs, NO_x, CO, SO_x, PM₁₀, and PM_{2.5}.

Emissions from vehicle trips are estimated in CalEEMod based on the number of trips, the trip distance, and emission factors for the vehicle category. Regarding the vehicle categories, and consistent with CalEEMod default values, worker trips are assumed to be passenger vehicles and light-duty trucks, vendor truck trips are assumed to be a mix of medium- and heavy-heavy duty trucks, and haul truck trips are assumed to be heavy-heavy duty trucks. Haul truck trips were estimated based on the amount of material that needed to be exported off site to a disposal site. All haul trucks were assumed to have a capacity of 16 cubic yards or 20 tons. The CalEEMod default haul truck assumption for one-way trip length is 20 miles (CAPCOA 2017). While FMP projects occur at varying locations, the CalEEMod assumption is appropriate. Specifically, Plant 1 was used as a point of reference to estimate the distance between project activity and nearby disposal sites. Frank R. Bowerman Landfill (11002 Bee Canyon Access Road, Irvine, California 92602) is located approximately 18.5 miles from Plant 1 (10844 Ellis Avenue, Fountain Valley, California 92708), and Orange County Hazardous Waste (17121 Nichols Lane, Huntington Beach, California 92647) is located 5 miles from Plant 1. Therefore, the CalEEMod default haul truck one-way trip length assumption of 20 miles is appropriate (CAPCOA 2017). In general, the number of needed project workers was estimated based on the number of pieces of equipment and assuming that each piece of equipment would require 1.25 workers (CAPCOA 2017). Vendor trucks are anticipated to be minimal because the anticipated construction activities do not require large quantities of building material, if any; however, vendor truck trips were added to phases where material delivery is anticipated or water trucks may be needed. CalEEMod default values for worker trip length (14.7 miles) and vendor truck trip length (6.9 miles) were applied. Each worker, vendor, and haul truck was estimated to result in two one-way trips. As with equipment, internal combustion engines used by vehicles would result in emissions of VOCs, NO_x, CO, SO_x, PM₁₀, and PM_{2.5}.

Fugitive dust (PM₁₀ and PM_{2.5} emissions) is generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, which occurs during earth movement phases (site preparation and grading) and during the loading of material into haul trucks. Because the projects mostly occur in developed areas and many projects do not include earth movement phases, dust generation is anticipated to be minimal. The FMP projects would be required to comply with SCAQMD Rule 403 to control dust emissions during any dust-generating activities. SCAQMD Rule 403 requires implementation of various best available fugitive dust control measures for different sources for all construction activity sources within its jurisdictional boundaries. Dust control measures include, but are not limited to, maintaining stability of soil through pre-watering of site prior to clearing, grubbing, cut and fill, and earth-moving activities; stabilizing soil during and immediately after clearing, grubbing, cut and fill, and other earth-moving activities; stabilizing backfill during handling and at completion of activity; and pre-watering material prior to truck loading and ensuring that freeboard exceeds 6 inches. While SCAQMD Rule 403 requires fugitive dust control beyond watering control measures, compliance with Rule 403 is represented in CalEEMod by assuming twice daily watering of active sites. Fugitive dust can also be generated by on-road vehicles on paved roads; however, no unpaved roads were assumed, because project sites are developed.

VOC off-gassing emissions would occur during application of asphalt pavement during paving and the application of paint and other coatings during architectural coating. During paving, VOC off-gassing emissions are estimated in CalEEMod based on the area of asphalt pavement assumed and the default emission factor of 2.62 pounds per acre of VOCs. During architectural coating, VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers. VOC evaporative emissions from application of surface coatings

was estimated based on the VOC emission factor, the estimated building square footage, and the assumed fraction of surface area. The total square footage of new structures was conservatively assumed; however, the majority of the new surfaces are not anticipated to require coating. The VOC emission factor is based on the VOC content of the surface coatings, and SCAQMD's Rule 1113 (Architectural Coatings) governs the VOC content for interior and exterior coatings as well as transportation surface coatings.

For Plant 1, Plant 2, and the joint plant projects, one or more of the following phases are anticipated for each project, which are further described below: demolition, site preparation, structural rehabilitation, building construction, paving, architectural coating, electrical/instrumentation, and/or testing.

- **Demolition.** Demolition may include removal of structures or asphalt pavement, or removal of equipment for replacement. For each project, the amount of demolition debris was estimated based on best available information such as square footage of the demolition structure/area and type of material (e.g., concrete, asphalt, metal, plastic, and lumber) to ensure that associated emissions were captured. Emission sources associated with demolition include off-road equipment operation, vehicle trips including workers and haul trucks exporting demolition material, and dust generated by loading haul trucks with material.
- **Site Preparation.** Since these projects are within the plant boundaries, they are located on developed site conditions and typical site preparation activities such as clearing and grubbing of vegetation and grading are not anticipated. Instead, few projects included site preparation that would entail removing existing asphalt to build a new building where the existing asphalt is located, or adding new asphalt pavement and/or dirt (e.g., grading) over the location of a structure that was demolished during the project, and other activities needed to prepare the site. Emission sources associated with site preparation include off-road equipment operation, vehicle trips including workers and haul trucks exporting material, and dust generated by disturbing earth.
- **Structural Rehabilitation.** Structural rehabilitation would include concrete structural repair and/or plastic lining/coating needed to maintain or improve the structural integrity of the existing structure. Emission sources associated with structural rehabilitation include off-road equipment operation and vehicle trips including workers vendor trucks delivering material.
- **Building Construction.** In most cases, building construction would include physical construction of structures including foundation, structures, and buildings. In some cases, building construction would only include the installation of new equipment. Emission sources associated with building construction include off-road equipment operation and vehicle trips including workers and vendor trucks delivering material.
- **Paving.** Paving, which involves the laying of asphalt or concrete, would occur on projects that require replacing removed pavement or minor repaving activities. Emission sources associated with paving include off-road equipment operation, worker and vendor vehicle trips, and VOC off-gassing from the application of asphalt material.
- **Architectural Coating.** Architectural coating would occur on projects that include building or rehabilitation of structures that would need to be painted on the interior and/or exterior. Architectural coating may also occur on projects that included new asphalt that would need striping or other transportation signage coatings. Emission sources associated with architectural coating include off-road equipment operation, worker and vendor vehicle trips, and VOC off-gassing from the application of paints and other finishes.
- **Electrical/Instrumentation.** Electrical or instrumentation phases include install the electrical and instrumentation components associated with new equipment. Emission sources associated with electrical/instrumentation include off-road equipment operation and worker vehicle trips.
- **Testing.** Testing occurs on many projects and includes the testing of the repaired or replaced equipment or facility. Emission sources associated with testing include off-road equipment operation and worker vehicle trips.

For the collection system projects, one or more of the following phases are anticipated for each project, which are further described below: pipeline installation, pipeline lining, manhole rehabilitation, demolition, site preparation, structural rehabilitation, building construction, paving, architectural coating, and/or testing.

- **Pipeline Installation.** For replacement pipeline projects, pipeline installation is through open trench construction (except for microtunneling Project 3-68). Pipeline installation is assumed to include trenching, excavation of fill, removal and replacement of the pipeline, and backfill and compaction. The pipeline installation phases were modeled as a “grading” phase to capture dust generated during trenching and excavation. As stated above, it was assumed that 100 feet per day of pipeline would be installed based on previous pipeline replacement projects and because it represents a reasonable amount of pipeline that contractors can accomplish in a day. The area of disturbance was calculated based on the total length of the pipeline, the width of the largest pipeline, and additional area to both sides of the pipeline. Emission sources associated with pipeline installation include off-road equipment operation, vehicle trips including workers and haul trucks exporting material, and dust generated by disturbing earth.
- **Pipeline Lining.** Pipeline lining would happen when pipes do not need to be replaced, but internal deficiencies (e.g., corroded or cracked pipe) need to be repaired. It was assumed that 200 feet per day of pipeline would be lined based on previous pipeline lining projects. During pipeline lining, no aboveground disturbance would occur. Emission sources associated with pipeline lining include off-road equipment operation and vehicle trips including workers.
- **Manhole Rehabilitation.** Manhole rehabilitation would occur during some of the pipeline projects to repair or rehabilitate manholes along the pipeline.
- **Demolition.** Similar to the Plant 1, Plant 2, and the joint plant projects, demolition would occur when a structure would need to be removed and/or equipment would be replaced. The demolition phase was typically assumed to occur during the pump station rehabilitation projects. Demolition of existing structures could occur at the end after the new structure, such as a pump station, is built. Emission sources associated with demolition include off-road equipment operation, vehicle trips including workers and haul trucks exporting demolition material, and dust generated by loading haul trucks with material.
- **Site Preparation.** As with the Plant 1, Plant 2, and the joint plant projects, site preparation activities are anticipated to be minor since these improvements are planned to take place on previously developed sites. Emission sources associated with site preparation include off-road equipment operation, vehicle trips including workers and haul trucks exporting material, and dust generated by disturbing earth.
- **Structural Rehabilitation.** Pump station or air jumpers may need concrete repair and/or plastic lining/coating to maintain or improve the structural integrity of the existing structure. Emission sources associated with structural rehabilitation include off-road equipment operation and vehicle trips including workers vendor trucks delivering material.
- **Building Construction.** In some cases, building construction would include physical construction of structures (usually pump stations), which includes construction of the foundation, structures, and buildings. In other cases, building construction would only include the installation of new equipment (e.g., pumps). Emission sources associated with building construction include off-road equipment operation and vehicle trips including workers and vendor trucks delivering material.
- **Paving.** Paving would occur for every pipeline replacement project and was assumed to occur daily to re-pave the active areas each day to ensure no trench would be left open, as well as after pipeline installation is complete to provide a smooth, final pavement. For pipeline replacement projects, the number of acres to be paved was calculated based on the total length of the pipeline, the width of the largest pipeline, and additional area on both sides of the pipeline; therefore, as the width of the largest part of the pipeline was assumed, the asphalt

pavement estimate is conservative. Emission sources associated with paving include off-road equipment operation, worker and vendor vehicle trips, and VOC off-gassing from the application of asphalt material.

- **Architectural Coating.** For collection system projects, the majority of the architectural coating would include transportation striping and signage. Emission sources associated with architectural coating include off-road equipment operation, worker and vendor vehicle trips, and VOC off-gassing from the application of paints and other finishes.
- **Testing.** Testing includes the testing of the repaired or replaced equipment or facility. The testing phase is anticipated to be relatively standard and would include either a generator set or no equipment and a maximum of three workers (six worker trips). Emission sources associated with testing include off-road equipment operation and worker vehicle trips.

Typical equipment by construction phase is presented in Table 4.2-6. It is important to note that not all projects include all phases of construction and not each phase includes all of the equipment listed.

Table 4.2-6. Typical Construction Equipment

Construction Phase	Equipment
<i>Plant 1 and Plant 2</i>	
Demolition	Cranes Crushing/processing equipment Excavators Forklifts Generator sets Pumps Rubber-tired dozers Tractors/loaders/backhoes
Site preparation	Excavators Graders Rubber-tired dozers Tractors/loaders/backhoes
Structural rehabilitation	Aerial lifts Air compressors Cement and mortar mixers Generator sets Pumps
Building construction	Aerial lifts Cement and mortar mixers Cranes Forklifts Generator sets Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural coating	Air compressors
Electrical/instrumentation	Generator sets
Testing	Generator sets

Table 4.2-6. Typical Construction Equipment

Construction Phase	Equipment
Joint Plant Projects	
Demolition	Cranes Excavators Pumps Tractors/loaders/backhoes
Site preparation	Graders Rubber-tired dozers Tractors/loaders/backhoes
Structural rehabilitation	Air compressors Cement and mortar mixers Generator sets Pumps
Building construction	Aerial lifts Cranes Cement and mortar mixers Forklifts Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural coating	Air compressors
Electrical	Generator sets
Testing	Generator sets
Collection System Projects	
Pipeline installation	Concrete/industrial saws Excavators Forklifts Pumps Tractors/loaders/backhoes
Pipeline lining	Generator sets Pumps
Manhole rehabilitation	Air compressors Generator sets
Demolition	Aerial lifts Cranes Excavators Forklifts Pumps Rubber-tired dozers Tractors/loaders/backhoes
Site preparation	Cement and mortar mixers Generator sets Pumps Tractors/loaders/backhoes Rubber-tired dozers

Table 4.2-6. Typical Construction Equipment

Construction Phase	Equipment
Structural rehabilitation	Air compressors Cement and mortar mixers Generator sets Pumps
Building construction	Aerial lifts Air compressors Cement and mortar mixers Cranes Forklifts Generator sets Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural coating	Air compressors
Testing	Generator sets

Operation

The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the projects addressed in this program environmental impact report (PEIR) do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Therefore, potential operational criteria air pollutant emissions are qualitatively evaluated except for a permanent emergency generator at the Seal Beach pump station, which is quantitatively addressed.

There is an existing temporary emergency diesel-fueled generator at the Seal Beach pump station, which will be replaced with the permanent diesel-fueled emergency generator. Maintenance and testing criteria air pollutant emissions were estimated for the new emergency generator assuming it would operate up to 1 hour per day on any given day during the year with testing generally occurring once per month. The 1 hour per day assumption is conservative because based on existing practice, the pump station emergency generators are typically tested for approximately 1/2 hour per day, once a month. Testing and maintenance emissions were based on manufacturer's specifications for a Caterpillar engine model C32 rated at 1,829 horsepower, and emission factors from EPA Engine Certification (2020) for Caterpillar engine LCPXL32.ONZS (EPA 2020c) (as also referenced in the Caterpillar Emergency Engines SCAQMD Certified Equipment Permit List [SCAQMD 2020]) and industry standard emission factors for pollutants not included in the specifications. No emissions from the existing temporary emergency diesel-fueled generator at the Seal Beach pump station were conservatively considered in this analysis.

Construction Health Risk Assessment

A construction HRA was performed to evaluate potential health risk associated with construction of the proposed project, specifically Plant 1, Plant 2, and joint plant projects. Collection system pipeline construction projects would occur in a linear fashion where emissions would not be concentrated in one location for a prolonged period of time. Other collection system projects, such as pump station rehabilitation projects, are not anticipated to require

intensive construction activities or occur over a long period of time. Based on the anticipated duration of construction, the intensity of construction, and the location of nearby sensitive receptors, the Plant 1 and Plant 2, plus joint plant projects, represent the maximum condition for the construction HRA. The following discussion summarizes the dispersion modeling and HRA methodology; supporting construction HRA documentation, including detailed assumptions, is presented in Appendix D.

For risk assessment purposes, PM₁₀ in diesel exhaust is considered DPM, originating mainly from off-road equipment operating at a defined location for a given length of time at a given distance from sensitive receptors. Less-intensive, more-dispersed emissions result from on-road vehicle exhaust (e.g., vendor trucks and heavy-duty diesel trucks). While truck travel is considered an off-site emission source, to conservatively include local truck travel in the construction HRA that evaluates on-site TAC emissions, a diesel truck one-way trip distance of 1,000 feet was assumed in CalEEMod. The 1,000-foot distance assumed for these purposes is derived from the industry-standard for evaluating a project's TAC emissions.

The air dispersion modeling methodology was based on generally accepted modeling practices of SCAQMD (SCAQMD 2020). Air dispersion modeling was performed using the EPA's American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 19191 modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 9.9.0. The HRA followed the Office of Environmental Health Hazard Assessment (OEHHA) 2015 guidelines (OEHHA 2015) and SCAQMD guidance to calculate the health risk impacts at all proximate receptors as further discussed below. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with the SCAQMD and EPA guidance and identified as representative of the project site and project activities. Principal parameters of AERMOD for proposed project construction included the following:

- Dispersion Model:** The air dispersion model used was AERMOD, Version 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission rate (1 gram per second) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 4.2-7 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by the project applicant and modeling guidance from SCAQMD and the Sacramento Metropolitan Air Quality Management District (SCAQMD 2020; SMAQMD 2013).⁷

Table 4.2-7. Construction Emission Source Parameters

Source ID	Source Name	Source Type	Source Parameters
SLINE1	Plant 1 Construction	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate ^a : 0.007 g/s Number of Volume Sources: 144 Variable Emissions Scenario: 8 hours per day, 5 days per week

⁷ The Sacramento Metropolitan Air Quality Management District CEQA Guide was referenced as applicable because it provides specific guidance for modeling emissions from construction sources.

Table 4.2-7. Construction Emission Source Parameters

SLINE2	Plant 2 Construction	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate: ^a 0.01 g/s Number of Volume Sources: 89 Variable Emissions Scenario: 8 hours per day, 5 days per week
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Source: SCAQMD 2020; SMAQMD 2013.

Notes: m = meters; g/s = grams per second.

^a An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- **Meteorological Data:** The John Wayne Airport meteorological station was selected since it is the closest station and is the most representative of the project site. The latest 6-year meteorological data (2012–2016) for the John Wayne Airport were downloaded from SCAQMD, and then input to AERMOD. A wind rose is provided for this station in Appendix D.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The urban dispersion option was selected based on the predominant development within 2 kilometers of the project site. The population for Orange County (3,010,232) was used for the urban group.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset with resolution of 1/3 arc-second was used.
- **Sensitive Receptors:** The HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. A uniform Cartesian grid of 10,095 by 10,078 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth. A finer Cartesian grid of 20-meter spacing was placed over residential receptors proximate to the project site.
- **Source Release Scenario:** Emissions during construction were assumed to operate up to 8 hours per day, 260 days per year.

The health risk calculations were performed using the Hotspots Analysis and Reporting Program Version 2 (HARP2) Air Dispersion and Risk Tool (dated 19121). AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the necessary input values for HARP2. The line of volume sources was partitioned evenly based on the 1 gram per second emission rate. The ground-level concentration plot files were then used to estimate the long-term cancer health risk to an individual, and the non-cancerous chronic health indices. There is no reference exposure level for acute health impacts from DPM, and, thus, acute risk was not evaluated.

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in 1 million. Maximum Individual Cancer Risk is the estimated probability of a maximally exposed individual potentially contracting cancer as a result of exposure to TACs over a period of 30 years for residential receptor locations. For the construction HRA, the TAC exposure period was assumed to start at the third trimester of pregnancy for all receptor locations. The total exposure duration was assumed to be 20 years (i.e., the assumed duration of project construction). The exposure pathway for DPM is inhalation only.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs since some TACs increase non-cancerous health risk due to long-term (chronic) exposures and some TACs increase non-cancerous health risk due to short-term (acute) exposures. No short-term, acute relative exposure level has been established for DPM;

therefore, acute impacts of DPM are not addressed in the HRA. Chronic exposure is evaluated in the construction HRA. Non-carcinogenic risks are quantified by calculating a hazard index, expressed as the ratio between the ambient pollutant concentration and its toxicity or reference exposure level, which is a concentration at or below which health effects are not likely to occur. The chronic hazard index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. A hazard index less than one (1.0) means that adverse health effects are not expected.

The risk assessment was performed in accordance with the SCAQMD Risk Assessment Procedures for Rules 1401, 1401.1, and 212 (SCAQMD 2017). The highest year emissions were applied to the entire exposure duration. For Plant 1, this analysis assumed year 2025 for the unmitigated and 2026 for the mitigated analysis and for Plant 2, year 2023 was assumed for the unmitigated and mitigated scenarios. This is an overly conservative scenario as actual modeled emissions over the entire construction period were much lower. Furthermore, the HRA began risk evaluation exposure within the third trimester of pregnancy for a 20 year duration, consistent with the 2015 OEHHA Guidelines.⁸ The following risk assessment options were applied to the HRA in accordance with the SCAQMD (2017) guidance:

- Deposition velocity of 0.02 meters per second
- A ‘warm’ climate was selected for dermal exposure
- The Risk Management Policy (Derived) Method was selected for residential cancer risk
- Pathways for residential risk include inhalation, soil ingestion, dermal absorption, homegrown produce, and mother’s milk

Operational Health Risk Assessment

An operational HRA was performed to evaluate potential health risk associated with testing and maintenance of the proposed permanent diesel-fueled emergency generator at the Seal Beach pump station (3-67). The following discussion summarizes the dispersion modeling and HRA methodology; supporting construction HRA documentation, including detailed assumptions, is presented in Appendix D.

As with the construction HRA, PM₁₀ in diesel exhaust is considered DPM for the operational HRA. The air dispersion modeling methodology was based on generally accepted modeling practices of SCAQMD (SCAQMD 2020). Air dispersion modeling was performed using AERMOD Version 19191, and health risk calculated followed the OEHHA 2015 guidelines (OEHHA 2015) and SCAQMD guidance to calculate the health risk impacts at all proximate receptors as further discussed below. The operational HRA evaluated maintenance and testing emissions from the emergency generator at the Seal Beach pump station and assumed an exposure duration of 30 years.

The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with SCAQMD and EPA guidance and identified as representative of the Seal Beach pump station site and activities. Principal parameters of AERMOD for proposed project operation included the following:

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission rate (1 gram per second) was normalized over each unique source of emissions for the AERMOD run to obtain the “X/Q” values. X/Q is a

⁸ OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 OEHHA Guidelines, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 4.2-8 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by the Sanitation District and modeling guidance from SCAQMD and Sacramento Metropolitan Air Quality Management (SCAQMD 2013, 2020).

Table 4.2-8. Operational Emission Source Parameters

Source ID	Source Name	Source Type	Source Parameters
STCK1	Seal Point Pump Station Emergency Generator	Point	Release Height: 2.195 m Emission Rate: 1 g/s Gas Exit Temperature: 703.483 K Stack Inside Diameter: 0.406 m Gas Exit Velocity: 36.404 m/s Gas Exit Flow Rate: 4.7222 m ³ /s

Source: Caterpillar 2019.

Notes: g/s = grams per second; K = degrees Kelvin; m = meters; m³/s = cubic meters per second.

¹ An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- **Meteorological Data:** The Long Beach Airport meteorological station was selected since it is the closest station and is the most representative of the project sites. The latest 5-year meteorological data (2012–2016) for the John Wayne Airport were downloaded from SCAQMD, and then input to AERMOD.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The urban dispersion option was selected based on the predominant development within 2 kilometers of the project site. The population for Orange County was used for the urban group.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset dataset with resolution of 1/3 arc-second was used.
- **Sensitive Receptors:** This HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. A uniform Cartesian grid of 3,865 by 3,516 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth. A finer Cartesian grid of 20 meter spacing was placed over residential receptors proximate to the project site.
- **Source Release Scenario:** Emissions during operation were assumed to operate up to 1 hour per day, 50 hours per year. No variable emissions scenario was used.

The operational emissions of the project were estimated using the exhaust PM emission rate from the manufacturers data sheet (Caterpillar 2017). The generator was assumed to operate up to 50 hours per year for maintenance and testing in accordance with CARB's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (17 CCR 93115).

4.2.4 Impacts Analysis

1. *Would the project conflict with or obstruct implementation of the applicable air quality plan?*

Less-than-Significant Impact with Mitigation Incorporated. As previously discussed, the FMP projects are located within the SCAB under the jurisdiction of the SCAQMD, which is the local agency

responsible for administration and enforcement of air quality regulations for the area. The SCAQMD has established criteria for determining consistency with the AQMP, currently the 2016 AQMP, in Chapter 12, Sections 12.2 and 12.3, in the SCAQMD CEQA Air Quality Handbook (SCAQMD 1993). The criteria are as follows (SCAQMD 1993):

- **Consistency Criterion No. 1:** The project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards of the interim emissions reductions specified in the AQMP.
- **Consistency Criterion No. 2:** The project will not exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

Consistency Criterion No. 1

Section 4.2.4(b), evaluates the proposed project's potential impacts with regards to State CEQA Guidelines Appendix G Threshold 2 (cumulatively considerable net increase of a nonattainment criteria pollutant). The SCAQMD mass daily construction thresholds are applied to evaluate the potential for a project to result in a cumulatively considerable net increase of a nonattainment criteria pollutant (Threshold 2), as well as the potential for the project to result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations (Consistency Criterion No. 1).

As discussed below, the proposed project would result in construction-generated NO_x emissions that would exceed the SCAQMD mass daily construction threshold. Thus, it would potentially conflict with Consistency Criterion No. 1 of the SCAQMD CEQA Air Quality Handbook.

Consistency Criterion No. 2

While striving to achieve the NAAQS for O₃ and PM_{2.5} and the CAAQS for O₃, PM₁₀, and PM_{2.5} through a variety of air quality control measures, the 2016 AQMP also accommodates planned growth in the SCAB. Projects are considered consistent with, and would not conflict with or obstruct implementation of, the 2016 AQMP if the growth in socioeconomic factors (e.g., population, employment) is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook).

The SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by the SCAG for its RTP/SCS (SCAG 2016), which is based on general plans for cities and counties in the SCAB, for the development of the AQMP emissions inventory (SCAQMD 2017).⁹ The SCAG 2016 RTP/SCS, and associated Regional Growth Forecast, are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

As discussed in Section 3, Project Description, the project would not proposed changes to the applicable General Plan land use designations or zoning at Plant 1, Plant 2, joint plant projects, or the collection system project sites. No housing is proposed and no additional employees for project operation would be required as

⁹ Information necessary to produce the emission inventory for the SCAB is obtained from the SCAQMD and other governmental agencies, including CARB, the California Department of Transportation, and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into their Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in their 2016 RTP/SCS are integrated in the 2016 AQMP (SCAQMD 2017).

part of the proposed project. While construction activities would require construction workers, construction workers are anticipated be served from the existing workforce and would not result in the need for additional workers or associated housing. Accordingly, the project is consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development. Therefore, the project does not propose activities that would induce additional population in the FMP area or generate a net increase in vehicle trips. Accordingly, the project would be consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development.

Based on these considerations, vehicle trip generation and planned development for the project sites are concluded to have been anticipated in the SCAG growth projections and implementation of the project would not result in a conflict with, or obstruct implementation of, the applicable air quality plan (i.e., SCAQMD 2016 AQMP). Accordingly, the project would meet Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook.

Summary

As described previously, the proposed project would potentially result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations due to exceedance of the SCAQMD construction NO_x threshold, and would potentially conflict with Consistency Criterion No. 1. Implementation of the proposed project would not exceed the demographic growth forecasts in the SCAG 2016 RTP/SCS; therefore, the project would be consistent with the SCAQMD 2016 AQMP. Thus, the project would not conflict with Consistency Criterion No. 2. However, because the project would potentially conflict with Consistency Criterion No. 1, impacts related to the project's potential to conflict with or obstruct implementation of the applicable air quality plan is considered potentially significant and **Mitigation Measure (MM) AQ-1** (provided in Section 4.2.5, Mitigation Measures) is required.

Following implementation of **MM-AQ-1**, the FMP would not exceed the SCAQMD mass daily construction thresholds for any criteria air pollutant, including NO_x; therefore, the FMP would not conflict with Consistency Criterion No. 1 and impacts would be less than significant with mitigation.

2. *Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?*

Less-than-Significant Impact with Mitigation Incorporated. Past, present, and future development projects may contribute to the SCAB adverse air quality impacts on a cumulative basis. By its nature, air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are used in the determination of whether a project's individual emissions would have a cumulatively considerable contribution on air quality. If a project's emissions would exceed the SCAQMD significance thresholds, it would have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant (SCAQMD 2003a).

Construction of the proposed project would result in emissions of criteria air pollutants, which may result in a cumulatively considerable net increase in emissions of criteria air pollutants for which the SCAB is designated as nonattainment under the NAAQS or CAAQS. The following discussion quantitatively evaluates potential short-term construction and qualitatively evaluates long-term operational impacts that would result from implementation of the proposed project.

Construction Emissions

Proposed construction activities associated with the various project components would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment and soil disturbance) and off-site sources (i.e., on-road haul trucks, delivery trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity; the specific type of operation; and, for dust, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated with a corresponding uncertainty in precise ambient air quality impacts.

CalEEMod was used to calculate the annual criteria air pollutant emissions based on the construction scenario described in Section 4.2.3.2, Approach and Methodology (Construction Emissions). Construction of the project is assumed to take place over 20 years. Tables 4.2-98, 4.2-109, 4.2-114, 4.2-124, and 4.2-134 present construction emissions for the proposed project from on-site and off-site emission sources for Plant 1, Plant 2, joint plant projects, collection system, and the entire project, respectively.

Because regional criteria air pollutant emissions are cumulative in nature, the potential impact of project implementation is evaluated on the whole rather than at the individual project-level. Emissions from each modeled project were estimated based on the best available information on construction start and end dates, as well as construction phasing. Recognizing that construction schedules may change slightly, this analysis conservatively assumes that the maximum daily emissions (i.e., worst-case day) from each project in each year would occur on the same day. The maximum daily emissions for the entire FMP in each year of construction are presented in Table 4.2-134, Combined Projects Estimated Maximum Daily Construction Emissions, and compared to the SCAQMD construction mass daily thresholds.

Table 4.2-98. Plant 1 Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2023						
P1-135 Digester Ferric Piping Replacement	2.63	23.18	29.20	0.06	1.92	1.33
<i>Combined Maximum</i>	2.63	23.18	29.2	0.06	1.92	1.33
2024						
P1-126 Primary Clarifiers Replacements and Improvements	3.16	26.80	37.78	0.07	2.17	1.33
X-090 Network, Telecommunications, and Service Relocation at Plant 1	0.65	6.13	7.69	0.01	1.13	0.69
<i>Combined Maximum</i>	3.81	32.93	45.47	0.08	3.30	2.02
2025						
P1-126 Primary Clarifiers Replacements and Improvements	2.39	19.84	26.62	0.05	1.13	0.85
X-093 Administrative Facilities and Power Building 3A Demolition	1.29	11.99	15.07	0.03	1.16	0.59
X-077 Switchgear Replacement at Central Generation	0.70	6.64	7.45	0.02	0.39	0.29

Table 4.2-98. Plant 1 Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
<i>Combined Maximum</i>	4.38	38.47	49.14	0.10	2.68	1.73
2026						
P1-126 Primary Clarifiers Replacements and Improvements	2.39	19.83	26.58	0.05	1.13	0.85
X-093 Administrative Facilities and Power Building 3A Demolition	4.88	11.98	15.05	0.03	1.12	0.59
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	1.01	8.91	10.71	0.02	0.50	0.36
<i>Combined Maximum</i>	8.28	40.72	52.34	0.10	2.75	1.80
2027						
P1-126 Primary Clarifiers Replacements and Improvements	2.28	19.72	26.41	0.05	1.21	0.88
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	1.01	8.91	10.70	0.02	0.50	0.36
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	1.35	12.59	18.88	0.03	0.80	0.55
<i>Combined Maximum</i>	4.64	41.22	55.99	0.10	2.51	1.79
2028						
P1-126 Primary Clarifiers Replacements and Improvements	1.03	7.99	12.42	0.02	0.48	0.37
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	2.56	21.54	29.18	0.06	1.26	0.92
<i>Combined Maximum</i>	4.64	41.22	55.99	0.10	2.51	1.79
2029						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.68	5.66	8.16	0.02	0.34	0.25
X-017 Primary Clarifiers 6-37	0.68	6.39	8.15	0.02	0.43	0.28
<i>Combined Maximum</i>	1.36	12.05	16.31	0.04	0.77	0.53
2030						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.54	4.48	8.10	0.02	0.23	0.14
X-017 Primary Clarifiers 6-37	0.54	4.48	8.09	0.02	0.23	0.14
<i>Combined Maximum</i>	1.08	8.96	16.19	0.04	0.46	0.28
2031						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.01	0.01	0.10	0.00	0.07	0.02

Table 4.2-98. Plant 1 Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
P1-127 Central Generation Rehabilitation	0.68	2.48	7.39	0.02	0.16	0.10
X-017 Primary Clarifiers 6-37	1.82	13.33	25.44	0.05	0.61	0.35
X-038 City Water Pump Station Rehabilitation	0.69	3.81	6.65	0.02	0.20	0.11
<i>Combined Maximum</i>	3.20	19.63	39.58	0.09	1.04	0.58
2032						
P1-127 Central Generation Rehabilitation	1.74	12.80	24.16	0.05	0.56	0.34
X-017 Primary Clarifiers 6-37	1.82	13.33	25.42	0.05	0.61	0.35
X-038 City Water Pump Station Rehabilitation	0.69	3.81	6.65	0.02	0.20	0.11
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	0.84	4.77	9.87	0.02	0.22	0.14
X-043 DAFT Demolition	1.05	4.82	12.37	0.03	0.85	0.24
<i>Combined Maximum</i>	6.14	39.53	78.47	0.17	2.44	1.18
2033						
P1-127 Central Generation Rehabilitation	0.21	1.81	3.72	0.01	0.10	0.06
X-017 Primary Clarifiers 6-37	0.01	0.01	0.08	<0.01	0.07	0.02
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	1.78	13.42	26.23	0.05	0.58	0.36
<i>Combined Maximum</i>	2.00	15.24	30.03	0.06	0.75	0.44
2034						
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	1.78	13.42	26.21	0.05	0.58	0.36
X-015 Trickling Filters Rehabilitation	1.31	6.87	17.13	0.04	0.46	0.22
<i>Combined Maximum</i>	3.09	20.29	43.34	0.09	1.04	0.58
2035						
X-015 Trickling Filters Rehabilitation	1.23	7.35	17.17	0.04	0.34	0.18
X-006 Waste Side-Stream Pump Station 1 Upgrade	1.41	11.40	25.14	0.05	0.45	0.23
<i>Combined Maximum</i>	2.64	18.75	42.31	0.09	0.79	0.41
2036						
X-015 Trickling Filters Rehabilitation	1.24	7.35	17.17	0.04	0.34	0.18
X-006 Waste Side-Stream Pump Station 1 Upgrade	1.17	8.10	17.65	0.04	0.31	0.16
X-039 Plant Water Pump Station Rehabilitation	0.63	3.29	6.61	0.02	0.17	0.08
X-079 Primary Scrubber Rehabilitation	1.49	9.41	22.03	0.05	0.45	0.23

Table 4.2-98. Plant 1 Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
<i>Combined Maximum</i>	4.53	28.15	63.46	0.15	1.27	0.65
2037						
X-039 Plant Water Pump Station Rehabilitation	0.18	1.60	3.71	0.01	0.08	0.04
X-079 Primary Scrubber Rehabilitation	1.31	7.81	18.33	0.04	0.36	0.19
X-018 Activated Sludge (AS) 2 Rehabilitation	0.97	6.11	13.59	0.03	0.31	0.15
<i>Combined Maximum</i>	2.46	15.52	35.63	0.08	0.75	0.38
2038						
X-018 Activated Sludge (AS) 2 Rehabilitation	0.94	6.11	12.96	0.02	0.37	0.15
<i>Combined Maximum</i>	0.94	6.11	12.96	0.02	0.37	0.15
2039						
X-018 Activated Sludge (AS) 2 Rehabilitation	0.94	5.44	10.76	0.02	0.37	0.14
<i>Combined Maximum</i>	0.94	5.44	10.76	0.02	0.37	0.14
Maximum						
Maximum Daily Emissions	8.28	41.22	78.47	0.17	3.30	2.02

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; RAS = Return Activated Sludge; DAFT = dissolved air flotation thickeners.

See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-109. Plant 2 Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2021						
P2-138 Operations and Maintenance Complex at Plant 2	19.64	59.61	49.18	0.11	3.64	2.69
<i>Combined Maximum</i>	19.64	59.61	49.18	0.11	3.64	2.69
2022						
P2-138 Operations and Maintenance Complex at Plant 2	6.40	50.55	40.11	0.11	2.78	2.23
P2-126 Substation and Warehouse Replacement at Plant 2	4.71	42.75	44.57	0.08	5.30	3.56
<i>Combined Maximum</i>	11.11	93.30	84.68	0.19	8.08	5.79

Table 4.2-109. Plant 2 Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2023						
P2-126 Substation and Warehouse Replacement at Plant 2	41.49	62.97	83.02	0.15	5.30	3.48
<i>Combined Maximum</i>	41.49	62.97	83.02	0.15	5.30	3.48
2024						
P2-126 Substation and Warehouse Replacement at Plant 2	6.96	59.18	82.66	0.15	3.61	2.68
X-050 Activated Sludge (AS) Aeration Basin	2.04	16.12	23.89	0.04	1.24	0.85
<i>Combined Maximum</i>	9.00	75.30	106.55	0.19	4.85	3.53
2025						
P2-126 Substation and Warehouse Replacement at Plant 2	3.81	32.94	47.84	0.09	1.99	1.42
X-050 Activated Sludge (AS) Aeration Basin	1.93	15.22	23.83	0.04	1.14	0.75
<i>Combined Maximum</i>	5.74	48.16	71.67	0.13	3.13	2.17
2026						
X-050 Activated Sludge (AS) Aeration Basin	1.01	8.91	10.69	0.02	0.50	0.36
X-032 Truck Loading Facility Rehabilitation	1.46	11.94	15.72	0.03	0.75	0.51
P2-X-054 Waste Side-Stream Pump C Rehabilitation	1.40	11.89	19.01	0.03	0.71	0.52
<i>Combined Maximum</i>	3.87	32.74	45.42	0.08	1.96	1.39
2027						
X-050 Activated Sludge (AS) Aeration Basin	0.29	2.40	3.77	0.01	0.16	0.11
X-032 Truck Loading Facility Rehabilitation	1.46	11.93	15.69	0.03	0.75	0.51
P2-X-054 Waste Side-Stream Pump C Rehabilitation	1.40	11.89	18.99	0.03	0.71	0.52
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	1.10	9.48	15.30	0.03	0.59	0.41
<i>Combined Maximum</i>	4.25	35.70	53.75	0.10	2.21	1.55
2028						
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	0.28	2.40	3.78	0.01	0.16	0.11
<i>Combined Maximum</i>	0.28	2.40	3.78	0.01	0.16	0.11
2031						
P2-119 Central Generation Rehabilitation	0.98	4.52	11.28	0.03	0.52	0.19

Table 4.2-109. Plant 2 Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
X-036 City Water Pump Station Rehabilitation	0.69	2.66	7.47	0.02	0.21	0.11
X-007 Waste Side-Stream Pump Station 2A Upgrade	1.74	8.79	21.48	0.04	0.57	0.28
<i>Combined Maximum</i>	<i>3.41</i>	<i>15.97</i>	<i>40.23</i>	<i>0.09</i>	<i>1.30</i>	<i>0.58</i>
2032						
P2-119 Central Generation Rehabilitation	1.92	13.83	26.58	0.05	0.60	0.36
X-036 City Water Pump Station Rehabilitation	0.69	3.80	6.64	0.02	0.20	0.11
X-007 Waste Side-Stream Pump Station 2A Upgrade	1.19	7.42	14.02	0.03	0.43	0.31
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition	1.86	9.64	17.77	0.04	0.63	0.34
<i>Combined Maximum</i>	<i>5.66</i>	<i>34.69</i>	<i>65.01</i>	<i>0.14</i>	<i>1.86</i>	<i>1.12</i>
2033						
P2-119 Central Generation Rehabilitation	0.21	1.81	3.72	0.01	0.10	0.06
<i>Combined Maximum</i>	<i>0.21</i>	<i>1.81</i>	<i>3.72</i>	<i>0.01</i>	<i>0.10</i>	<i>0.06</i>
2036						
X-014 Trickle Filter Solids-Contact Odor Control	1.20	7.12	17.63	0.04	0.34	0.16
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	0.65	5.21	11.32	0.02	0.24	0.11
X-030 Headworks Rehabilitation	0.51	2.10	5.03	0.01	0.14	0.06
<i>Combined Maximum</i>	<i>2.36</i>	<i>14.43</i>	<i>33.98</i>	<i>0.07</i>	<i>0.72</i>	<i>0.33</i>
2037						
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	1.05	6.99	15.10	0.03	0.30	0.14
X-030 Headworks Rehabilitation	1.15	7.45	16.30	0.03	0.31	0.15
X-031 Trickle Filter Solids-Contact Rehabilitation	2.21	11.90	27.96	0.06	0.56	0.27
<i>Combined Maximum</i>	<i>4.41</i>	<i>26.34</i>	<i>59.36</i>	<i>0.12</i>	<i>1.17</i>	<i>0.56</i>
2038						
X-030 Headworks Rehabilitation	1.15	7.45	16.30	0.03	0.31	0.15
X-031 Trickle Filter Solids-Contact Rehabilitation	1.79	11.90	26.28	0.05	0.48	0.24
<i>Combined Maximum</i>	<i>2.94</i>	<i>19.35</i>	<i>42.58</i>	<i>0.08</i>	<i>0.79</i>	<i>0.39</i>

Table 4.2-109. Plant 2 Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2039						
X-030 Headworks Rehabilitation	0.18	1.60	3.70	0.01	0.08	0.04
X-031 Tricking Filter Solids-Contact Rehabilitation	1.79	11.26	24.18	0.05	0.47	0.23
<i>Combined Maximum</i>	1.97	12.86	27.88	0.06	0.55	0.27
2040						
X-031 Tricking Filter Solids-Contact Rehabilitation	2.63	13.88	36.95	0.08	0.70	0.33
<i>Combined Maximum</i>	2.63	13.88	36.95	0.08	0.70	0.33
Maximum						
Maximum Daily Emissions	41.49	93.30	106.55	0.19	8.08	5.79

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; kV = kilovolt; RAS = Return Activated Sludge; PEPS = Primary Effluent Pump Station. See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-110. Joint Plant Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2021						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.48	13.07	15.21	0.03	0.83	0.72
<i>Combined Maximum</i>	1.48	13.07	15.21	0.03	0.83	0.72
2022						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.37	12.09	15.14	0.03	0.75	0.63
<i>Combined Maximum</i>	1.37	12.09	15.14	0.03	0.75	0.63
2023						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.27	11.15	15.09	0.03	0.67	0.56
<i>Combined Maximum</i>	1.27	11.15	15.09	0.03	0.67	0.56
2024						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.18	10.46	15.04	0.03	0.60	0.49

Table 4.2-1110. Joint Plant Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.18	10.46	15.04	0.03	0.60	0.49
J-133 Laboratory Rehabilitation at Plant 1	1.23	13.02	9.05	0.02	3.36	2.00
<i>Combined Maximum</i>	3.59	33.94	39.13	0.08	4.56	2.98
2025						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.11	9.86	15.00	0.03	0.54	0.43
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.11	9.86	15.00	0.03	0.54	0.43
J-133 Laboratory Rehabilitation at Plant 1	40.19	14.91	19.10	0.04	1.51	0.67
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	3.82	31.46	48.32	0.09	1.98	1.46
<i>Combined Maximum</i>	46.23	66.09	97.42	0.19	4.57	2.99
2026						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.11	9.86	14.99	0.03	0.54	0.43
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.11	9.86	14.99	0.03	0.54	0.43
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.34	18.58	28.31	0.05	1.10	0.85
<i>Combined Maximum</i>	4.56	38.30	58.29	0.11	2.18	1.71
2027						
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.10	9.85	14.97	0.03	0.54	0.43
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.58	28.28	0.05	1.10	0.85
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	0.56	5.06	7.57	0.01	0.31	0.22
<i>Combined Maximum</i>	3.99	33.49	50.82	0.09	1.95	1.50

Table 4.2-1110. Joint Plant Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2028						
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.10	9.85	14.96	0.03	0.54	0.43
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.57	28.25	0.05	1.10	0.85
J-121 Plantwide Miscellaneous Process Control System Upgrades	0.56	5.05	7.56	0.01	0.31	0.22
<i>Combined Maximum</i>	3.99	33.47	50.77	0.09	1.95	1.50
2029						
J-120 Plantwide Miscellaneous Process Control System Upgrades	1.10	9.84	14.94	0.03	0.54	0.43
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.57	28.22	0.05	1.10	0.85
<i>Combined Maximum</i>	3.43	28.41	43.16	0.08	1.64	1.28
2030						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	1.77	14.19	28.02	0.05	0.66	0.41
<i>Combined Maximum</i>	1.77	14.19	28.02	0.05	0.66	0.41
2031						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	1.77	14.19	27.99	0.05	0.66	0.41
<i>Combined Maximum</i>	1.77	14.19	27.99	0.05	0.66	0.41
2032						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	0.41	3.61	7.40	0.01	0.16	0.10
<i>Combined Maximum</i>	0.41	3.61	7.40	0.01	0.16	0.10
2035						
X-044 Steve Anderson Lift Station Rehabilitation	0.83	5.02	10.42	0.02	0.27	0.12

Table 4.2-1110. Joint Plant Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
<i>Combined Maximum</i>	0.83	5.02	10.42	0.02	0.27	0.12
2036						
X-044 Steve Anderson Lift Station Rehabilitation	0.83	5.02	10.42	0.02	0.27	0.12
<i>Combined Maximum</i>	0.83	5.02	10.42	0.02	0.27	0.12
Maximum						
Maximum Daily Emissions	46.23	66.09	97.42	0.19	4.57	2.99

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1211. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2021						
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	2.09	18.04	22.72	0.04	1.11	0.96
<i>Combined Maximum</i>	2.09	18.04	22.72	0.04	1.11	0.96
2022						
7-68 MacArthur Dual Force Main Improvements	1.95	10.92	25.45	0.05	1.46	0.84
5-68 Newport Beach Pump Station Odor Control Improvements	2.28	18.10	23.38	0.04	1.18	0.95
7-65 Gisler-Red Hill Interceptor Rehabilitation	2.10	18.04	22.69	0.04	1.11	0.96
7-67 Main Street P5 Force Main Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
<i>Combined Maximum</i>	7.74	59.23	86.72	0.16	4.49	3.39
2023						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
7-68 MacArthur Dual Force Main Improvements	1.95	10.92	25.45	0.05	1.46	0.84
5-68 Newport Beach Pump Station Odor Control Improvements	2.11	16.87	23.24	0.04	1.07	0.83
7-65 Gisler-Red Hill Interceptor Rehabilitation	0.33	2.73	3.83	0.01	0.20	0.15
7-67 Main Street P5 Force Main Rehabilitation	1.31	11.22	15.15	0.03	0.66	0.56

Table 4.2-1211. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	1.95	16.67	22.64	0.04	0.99	0.84
<i>Combined Maximum</i>	9.98	76.53	115.27	0.22	5.52	4.18
2024						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
2-73 Yorba Linda Pump Station Abandonment	1.86	17.72	16.82	0.03	1.02	0.79
X-060 Newhope Placentia Chemical Dosing Station	3.39	27.80	37.36	0.07	1.63	1.29
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	1.82	15.63	22.58	0.04	0.88	0.73
X-082 North Trunk Improvement Project	1.95	15.92	24.73	0.04	1.13	0.81
<i>Combined Maximum</i>	11.35	95.19	126.45	0.23	5.80	4.58
2025						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
2-73 Yorba Linda Pump Station Abandonment	1.74	16.32	16.60	0.03	0.94	0.71
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	0.29	2.40	3.80	0.01	0.16	0.11
X-082 North Trunk Improvement Project	0.29	2.41	3.80	0.01	0.16	0.11
X-083 Greenville–Sullivan (Santa Ana) Sewer Upsize from 24 to 27 inch (14,460 feet)	1.88	14.76	24.67	0.04	1.04	0.71
<i>Combined Maximum</i>	6.53	54.01	73.83	0.14	3.44	2.60
2026						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
11-33 Edinger Pumping Station Replacement	1.00	9.23	11.39	0.02	0.56	0.41
X-083 Greenville–Sullivan (Santa Ana) Sewer Upsize from 24 to 27 inch (14,460 feet)	0.84	6.09	10.05	0.02	0.44	0.31
<i>Combined Maximum</i>	4.17	33.44	46.40	0.09	2.14	1.68

Table 4.2-1211. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2027						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
11-33 Edinger Pumping Station Replacement	2.01	16.78	25.93	0.05	0.97	0.74
X-026 College Avenue Force Main Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43
<i>Combined Maximum</i>	6.27	45.88	76.30	0.15	2.86	2.13
2028						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
11-33 Edinger Pumping Station Replacement	2.00	16.78	25.90	0.05	0.97	0.74
X-026 College Avenue Force Main Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43
2-49 Taft Branch (City of Orange) Sewer Upsize	1.84	15.01	24.84	0.04	1.05	0.72
<i>Combined Maximum</i>	8.10	60.89	101.11	0.19	3.91	2.85
2029						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
X-063 South Santa Ana River Interceptor Connector Rehabilitation	1.80	14.49	24.43	0.04	1.01	0.70
<i>Combined Maximum</i>	4.13	32.61	49.39	0.09	2.15	1.66
2030						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	1.96	7.42	25.43	0.05	1.04	0.61
<i>Combined Maximum</i>	4.29	25.54	50.39	0.10	2.18	1.57
2031						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	0.97	3.81	14.96	0.03	0.35	0.24
7-63 MacArthur Pump Station Rehabilitation	3.68	19.84	46.82	0.09	1.59	0.97
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43

Table 4.2-1211. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
X-023 Lido Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
11-34 Slater Avenue Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
7-64 Main Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
<i>Combined Maximum</i>	<i>13.14</i>	<i>89.26</i>	<i>157.75</i>	<i>0.31</i>	<i>6.05</i>	<i>4.52</i>
2032						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
7-63 MacArthur Pump Station Rehabilitation	3.67	19.83	46.79	0.09	1.56	0.96
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43
X-023 Lido Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
11-34 Slater Avenue Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
7-64 Main Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
<i>Combined Maximum</i>	<i>12.16</i>	<i>85.44</i>	<i>142.76</i>	<i>0.28</i>	<i>5.67</i>	<i>4.27</i>
2033						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
3-67 Seal Beach Pump Station Replacement	1.91	5.33	23.88	0.04	0.54	0.32
X-084 Tustin Avenue Sewer Relief	1.93	10.98	25.41	0.05	0.75	0.43
11-34 Slater Avenue Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
7-64 Main Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
3-68 Los Alamitos Sub-Trunk Extension	2.63	31.03	34.18	0.18	3.78	1.17
<i>Combined Maximum</i>	<i>11.62</i>	<i>89.80</i>	<i>138.83</i>	<i>0.38</i>	<i>7.69</i>	<i>4.16</i>
2034						
3-67 Seal Beach Pump Station Replacement	0.01	0.00	0.09	0.00	0.07	0.02
X-066 Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation	1.94	10.98	25.39	0.05	0.74	0.43
X-086 Santa Ana River Sewer Relief	2.06	11.18	25.53	0.05	0.77	0.44
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	1.95	10.92	25.45	0.05	1.46	0.84

Table 4.2-1211. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
<i>Combined Maximum</i>	5.96	33.08	76.46	0.15	3.04	1.73
2035						
X-086 Santa Ana River Sewer Relief	1.84	9.27	25.48	0.05	0.65	0.30
X-067 (X-085) Hoover–Western Sub-Trunks Sewer Rehabilitation	1.95	10.92	25.45	0.05	1.46	0.84
<i>Combined Maximum</i>	3.79	20.19	50.93	0.10	2.11	1.14
2036						
X-040 College Avenue Pump Station Replacement	0.78	6.32	13.88	0.03	0.25	0.13
X-061 Imperial Highway Relief Interceptor Rehabilitation	1.95	10.92	25.45	0.05	1.46	0.84
X-022 15th Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-041 A Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-024 Rocky Point Pump Station Rehabilitation	1.43	9.84	23.08	0.04	0.42	0.21
<i>Combined Maximum</i>	6.98	51.42	92.81	0.18	3.61	2.46
2037						
X-040 College Avenue Pump Station Replacement	1.43	9.84	23.08	0.04	0.42	0.21
X-061 Imperial Highway Relief Interceptor Rehabilitation	1.95	10.92	25.45	0.05	1.46	0.84
X-068 North Trunk Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43
X-022 15th Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-041 A Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-024 Rocky Point Pump Station Rehabilitation	1.43	9.84	23.08	0.04	0.42	0.21
X-025 Bitter Point Pump Station Rehabilitation	1.43	9.84	23.08	0.04	0.42	0.21
<i>Combined Maximum</i>	12.40	87.93	165.70	0.31	5.69	3.82
2038						
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-025 Bitter Point Pump Station Rehabilitation	1.43	9.84	23.08	0.04	0.42	0.21
<i>Combined Maximum</i>	2.84	22.01	38.28	0.07	1.16	0.85

Table 4.2-1211. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
Maximum						
Maximum Daily Emissions	13.14	95.19	165.70	0.31	6.05	4.58

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1312. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2021						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	19.64	59.61	49.18	0.11	3.64	2.69
Joint Plant	1.48	13.07	15.21	0.03	0.83	0.72
Collection System	2.09	18.04	22.72	0.04	1.11	0.96
<i>Combined Maximum</i>	23.21	90.72	87.11	0.18	5.58	4.37
2022						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	11.11	93.30	84.68	0.19	8.08	5.79
Joint Plant	1.37	12.09	15.14	0.03	0.75	0.63
Collection System	7.74	59.23	86.72	0.16	4.49	3.39
<i>Combined Maximum</i>	20.22	164.62	186.54	0.38	13.32	9.81
2023						
Plant 1	2.63	23.18	29.20	0.06	1.92	1.33
Plant 2	41.49	62.97	83.02	0.15	5.30	3.48
Joint Plant	1.27	11.15	15.09	0.03	0.67	0.56
Collection System	9.98	76.53	115.27	0.22	5.52	4.18
<i>Combined Maximum</i>	55.37	173.83	242.58	0.46	13.41	9.55
2024						
Plant 1	3.81	32.93	45.47	0.08	3.30	2.02
Plant 2	9.00	75.30	106.55	0.19	4.85	3.53
Joint Plant	3.59	33.94	39.13	0.08	4.56	2.98
Collection System	11.35	95.19	126.45	0.23	5.80	4.58
<i>Combined Maximum</i>	27.75	237.36	317.60	0.58	18.51	13.11
2025						
Plant 1	4.38	38.47	49.14	0.10	2.68	1.73
Plant 2	5.74	48.16	71.67	0.13	3.13	2.17
Joint Plant	46.23	66.09	97.42	0.19	4.57	2.99
Collection System	6.53	54.01	73.83	0.14	3.44	2.60
<i>Combined Maximum</i>	62.88	206.73	292.06	0.56	13.82	9.49
2026						
Plant 1	8.28	40.72	52.34	0.10	2.75	1.80
Plant 2	3.87	32.74	45.42	0.08	1.96	1.39

Table 4.2-1312. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
Joint Plant	4.56	38.30	58.29	0.11	2.18	1.71
Collection System	4.17	33.44	46.40	0.09	2.14	1.68
<i>Combined Maximum</i>	20.88	145.20	202.45	0.38	9.03	6.58
2027						
Plant 1	4.64	41.22	55.99	0.10	2.51	1.79
Plant 2	4.25	35.70	53.75	0.10	2.21	1.55
Joint Plant	3.99	33.49	50.82	0.09	1.95	1.50
Collection System	6.27	45.88	76.30	0.15	2.86	2.13
<i>Combined Maximum</i>	19.15	156.29	236.86	0.44	9.53	6.97
2028						
Plant 1	3.59	29.53	41.60	0.08	1.74	1.29
Plant 2	0.28	2.40	3.78	0.01	0.16	0.11
Joint Plant	3.99	33.47	50.77	0.09	1.95	1.50
Collection System	8.10	60.89	101.11	0.19	3.91	2.85
<i>Combined Maximum</i>	15.96	126.29	197.26	0.37	7.76	5.75
2029						
Plant 1	3.73	31.87	42.75	0.09	1.90	1.38
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	3.43	28.41	43.16	0.08	1.64	1.28
Collection System	4.13	32.61	49.39	0.09	2.15	1.66
<i>Combined Maximum</i>	11.29	92.89	135.30	0.26	5.69	4.32
2030						
Plant 1	1.08	8.96	16.19	0.04	0.46	0.28
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	1.77	14.19	28.02	0.05	0.66	0.41
Collection System	4.29	25.54	50.39	0.10	2.18	1.57
<i>Combined Maximum</i>	7.14	48.69	94.60	0.19	3.30	2.26
2031						
Plant 1	3.20	19.63	39.58	0.09	1.04	0.58
Plant 2	3.41	15.97	40.23	0.09	1.30	0.58
Joint Plant	1.77	14.19	27.99	0.05	0.66	0.41
Collection System	13.14	89.26	157.75	0.31	6.05	4.52
<i>Combined Maximum</i>	21.52	139.05	265.55	0.54	9.05	6.09
2032						
Plant 1	6.14	39.53	78.47	0.17	2.44	1.18
Plant 2	5.66	34.69	65.01	0.14	1.86	1.12
Joint Plant	0.41	3.61	7.4	0.01	0.16	0.1
Collection System	12.16	85.44	142.76	0.28	5.67	4.27
<i>Combined Maximum</i>	24.37	163.27	293.64	0.60	10.13	6.67
2033						
Plant 1	2.00	15.24	30.03	0.06	0.75	0.44
Plant 2	0.21	1.81	3.72	0.01	0.10	0.06
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	11.62	89.80	138.83	0.38	7.69	4.16

Table 4.2-1312. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
<i>Combined Maximum</i>	13.83	106.85	172.58	0.45	8.54	4.66
2034						
Plant 1	3.09	20.29	43.34	0.09	1.04	0.58
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	5.96	33.08	76.46	0.15	3.04	1.73
<i>Combined Maximum</i>	9.05	53.37	119.80	0.24	4.08	2.31
2035						
Plant 1	2.64	18.75	42.31	0.09	0.79	0.41
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	0.83	5.02	10.42	0.02	0.27	0.12
Collection System	3.79	20.19	50.93	0.10	2.11	1.14
<i>Combined Maximum</i>	7.26	43.96	103.66	0.21	3.17	1.67
2036						
Plant 1	4.53	28.15	63.46	0.15	1.27	0.65
Plant 2	2.36	14.43	33.98	0.07	0.72	0.33
Joint Plant	0.83	5.02	10.42	0.02	0.27	0.12
Collection System	6.98	51.42	92.81	0.18	3.61	2.46
<i>Combined Maximum</i>	14.70	99.02	200.67	0.42	5.87	3.56
2037						
Plant 1	2.46	15.52	35.63	0.08	0.75	0.38
Plant 2	4.41	26.34	59.36	0.12	1.17	0.56
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	12.40	87.93	165.70	0.31	5.69	3.82
<i>Combined Maximum</i>	19.27	129.79	260.69	0.51	7.61	4.76
2038						
Plant 1	0.94	6.11	12.96	0.02	0.37	0.15
Plant 2	2.94	19.35	42.58	0.08	0.79	0.39
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	2.84	22.01	38.28	0.07	1.16	0.85
<i>Combined Maximum</i>	6.72	47.47	93.82	0.17	2.32	1.39
2039						
Plant 1	0.94	5.44	10.76	0.02	0.37	0.14
Plant 2	1.97	12.86	27.88	0.06	0.55	0.27
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00	0.00	0.00
<i>Combined Maximum</i>	2.91	18.30	38.64	0.08	0.92	0.41
2040						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	2.63	13.88	36.95	0.08	0.70	0.33
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00	0.00	0.00
<i>Combined Maximum</i>	2.63	13.88	36.95	0.08	0.70	0.33

Table 4.2-1312. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
<i>Maximum</i>						
Maximum Daily Emissions	62.88	237.36	317.60	0.60	18.51	13.11
SCAQMD Threshold	75	100	550	150	150	55
Threshold exceeded?	No	Yes	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

As shown in Table 4.2-1312, the proposed project would exceed the SCAQMD construction NO_x threshold of 100 pounds per day in 11 of the 20 years of project construction; project-generated emissions of VOCs, CO, SO_x, PM₁₀, and PM_{2.5} would not exceed the relevant SCAQMD construction thresholds in any year. Therefore, because the proposed project would exceed the SCAQMD construction NO_x thresholds, associated air quality impacts would be potentially significant and **MM-AQ-1** is required. The evaluation of potential impacts after implementation of **MM-AQ-1** is addressed following the summary below.

Operation

For typical land use development projects, typical criteria air pollutant emissions that may be generated are associated with area sources (e.g., landscape maintenance equipment, consumer products, and reapplication of architectural coating), energy (e.g., natural gas), mobile sources (e.g., vehicles), and potentially stationary sources. The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the projects addressed in this PEIR do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Accordingly, operation of the FMP projects is not anticipated to generate an increase in criteria air pollutant emissions from area, energy, mobile, or potential stationary sources, with the exception of the new permanent Seal Beach pump station emergency generator, as further described below.

Plant 1 includes various replacement and rehabilitation projects, with only one project (X-090) including construction of a structure. Project X-090, Network, Telecommunications, and Server Relocation at Plant 1, includes proposed construction of an approximately 200-square-foot utility building to house Sanitation District network, telecommunications, and servers, which would not result in typical building criteria air pollutant emissions, such as natural gas and area sources.

Similar to Plant 1, Plant 2 includes various replacement and rehabilitation projects, with only projects P2-126 and P2-138 including structural replacements. For project P2-126, Substation and Warehouse Replacement at Plant 2, the existing 21,000-square-foot warehouse would be demolished and constructed in a new location, which is anticipated to be larger (approximately 30,100 square feet) as some outdoor storage may be moved to indoor storage. While the new warehouse would be larger in size, it is not anticipated to generate substantially greater natural gas and area source emissions and is anticipated to have increased energy efficiency compared to the existing building. Project P2-126 also proposes replacement of a Southern California Edison substation and replacement of a service center (approximately 3,100 square feet), both of which are anticipated to be approximately the same size as the existing structures and would not result in a net increase in operational criteria air pollutant emissions at these

structures because they will primarily house electrical systems and equipment. Project P2-138, Operations and Maintenance Complex at Plant 2, would demolish the existing building and guard shack (totaling 36,680 square feet) and construct a new building (35,700 square feet) and new guard shack (200 square feet). Overall, the new structures would be slightly less square footage than the existing structures, would have increased building energy efficiency compared to the existing buildings, and no measurable change in area source emissions are anticipated; therefore, this project would not result in an increase in criteria air pollutant emissions.

The joint plant projects primarily consist of improvements to plant-wide electrical and control systems; however, project J-133 would result in a potentially new structure. For project J-133, Laboratory Rehabilitation or Replacement at Plant 1, the existing 40,000-square-foot laboratory building located at Plant 1 would be rehabilitated or replaced; however, for modeling purposes, it was assumed to be replaced by a new 40,000-square-foot laboratory building. The replacement project J-133 building would be the same size, but since it would be built consistent with current building codes, such as the 2019 Title 24 building energy efficiency standards, it is anticipated be more energy efficient than the existing building. Regarding laboratory equipment and activities, the wastewater testing is exempt from permitting per SCAQMD Rule 219, Equipment Not Requiring a Written Permit Pursuant to Regulation II,¹⁰ and no change in activities from the existing laboratory are anticipated. Equipment layout and future operation at the laboratory will continue to follow existing and future regulatory requirements for wastewater testing.

For the collection system projects, which primarily consist of replacement or rehabilitation of pipelines and pump stations, once the replacement or rehabilitation is complete, no routine operational activity or associated criteria air pollutant emissions would occur. Project X-060, Newhope Placentia Chemical Dosing Station, includes removal of an existing pump station and construction of a new chemical dosing station at the abandoned pump station site. The chemical dosing station is anticipated to be small (less than 100 square feet) and would not generate criteria air pollutant emissions typical of building operation since it will primarily house chemicals.

As previously mentioned, no projects under the FMP are anticipated to require additional Sanitation District personnel. To the extent feasible, replacement and rehabilitation projects would assist in improving energy efficiency, which would reduce energy-related (natural gas) criteria air pollutant emissions. Therefore, implementation of the proposed FMP is not anticipated to generate an increase in operational criteria air pollutant emissions compared to existing conditions and may result in reduced energy-related criteria air pollutant emissions with the exception of the Seal Beach pump station emergency generator.

As noted under Section 4.2.3.2, Approach and Methodology, the existing temporary diesel-fueled emergency generator at the Seal Beach pump station (3-67) would be replaced with a permanent diesel-fueled emergency generator. Estimated criteria air pollutant emissions from testing and maintenance for the permanent diesel-fueled emergency generator are presented in Table 4.2-14. Note that the existing temporary emergency generator testing emissions that the permanent emergency generator would replace are conservatively not accounted for.

¹⁰ Per SCAQMD Rule 219(c)(6), “written permits are not required for”: Laboratory testing and quality control testing equipment used exclusively for chemical and physical analysis, non-production bench scale research equipment, and control equipment exclusively venting such equipment. Laboratory testing equipment does not include engine test stands or test cells unless such equipment is also exempt pursuant to paragraph (b)(4).

Table 4.2-14. Estimated Maximum Daily Operational Emissions

Emission Source	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	<i>Pounds per day</i>					
3-67 Emergency generator testing (stationary)	<u>0.28</u>	<u>15.08</u>	<u>2.10</u>	<u>0.02</u>	<u>0.16</u>	<u>0.16</u>
Maximum Daily Emissions	<u>0.28</u>	<u>15.08</u>	<u>2.10</u>	<u>0.02</u>	<u>0.16</u>	<u>0.16</u>
<i>SCAQMD Threshold</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Threshold exceeded?	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District. See Appendix D for detailed results.

As shown in Table 4.2-14, maximum daily operational emissions from emergency generator testing would not exceed SCAQMD mass daily operational thresholds for all pollutants presented.

Summary

As discussed under “Construction” and shown in Table 4.2-1312, maximum daily project-generated construction emissions would exceed the SCAQMD construction NO_x threshold. The FMP operational emissions from the Seal Beach pump station emergency generator testing would not exceed the SCAQMD mass daily result in a net increase in operational criteria air pollutant emissions thresholds. Therefore, criteria air pollutant emissions impacts would be potentially significant during construction and **MM-AQ-1** would be required; operational impacts would be less than significant without mitigation.

MM-AQ-1 would be implemented to reduce maximum daily NO_x emissions generated during proposed project construction. Estimated mitigated mass daily construction emissions including implementation of **MM-AQ-1** are presented for Plant 1, Plant 2, joint plant projects, collection system projects, and the entire FMP in Tables 4.2-1513, 4.2-1614, 4.2-1715, 4.2-1816, and 4.2-1917, respectively.¹¹

Table 4.2-1513. Plant 1 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
2023						
P1-135 Digester Ferric Piping Replacement	0.88	4.12	31.66	0.06	0.59	0.22
<i>Combined Maximum</i>	0.88	4.12	31.66	0.06	0.59	0.22
2024						
P1-126 Primary Clarifiers Replacements and Improvements	1.13	5.54	42.52	0.07	1.07	0.31

¹¹ Table 4.2-19. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated Table 4.2-17. Combined Projects Estimated Maximum Daily Construction Emissions – Mitigated, provides the mitigated analysis (implementation of **MM-AQ-1** to reduce project-generated NO_x emissions during construction) to address the potential for the project to (a) conflict with or obstruct implementation of the applicable air quality plan, (b) result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard, and (c) expose sensitive receptors to substantial concentrations of pollutants (health effects of criteria air pollutants).

Table 4.2-1513. Plant 1 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
X-090 Network, Telecommunications, and Service Relocation at Plant 1	0.42	0.76	8.14	0.01	0.48	0.24
<i>Combined Maximum</i>	<i>1.55</i>	<i>6.30</i>	<i>50.66</i>	<i>0.08</i>	<i>1.55</i>	<i>0.55</i>
2025						
P1-126 Primary Clarifiers Replacements and Improvements	1.09	5.46	29.32	0.05	0.52	0.26
X-093 Administrative Facilities and Power Building 3A Demolition	0.42	2.04	18.33	0.03	0.71	0.18
X-077 Switchgear Replacement at Central Generation	0.19	0.93	8.25	0.02	0.14	0.05
<i>Combined Maximum</i>	<i>1.70</i>	<i>8.43</i>	<i>55.90</i>	<i>0.10</i>	<i>1.37</i>	<i>0.49</i>
2026						
P1-126 Primary Clarifiers Replacements and Improvements	1.09	5.45	29.28	0.05	0.52	0.26
X-093 Administrative Facilities and Power Building 3A Demolition	4.69	2.02	18.32	0.03	0.67	0.17
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	0.48	3.19	12.27	0.02	0.24	0.11
<i>Combined Maximum</i>	<i>6.26</i>	<i>10.66</i>	<i>59.87</i>	<i>0.10</i>	<i>1.43</i>	<i>0.54</i>
2027						
P1-126 Primary Clarifiers Replacements and Improvements	0.98	4.88	29.29	0.05	0.53	0.24
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	0.48	3.19	12.25	0.02	0.24	0.11
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.44	1.76	21.04	0.03	0.33	0.12
<i>Combined Maximum</i>	<i>1.90</i>	<i>9.83</i>	<i>62.58</i>	<i>0.10</i>	<i>1.10</i>	<i>0.47</i>
2028						
P1-126 Primary Clarifiers Replacements and Improvements	0.25	1.05	13.27	0.02	0.18	0.07
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	1.07	6.76	31.79	0.06	0.58	0.26
<i>Combined Maximum</i>	<i>1.32</i>	<i>7.81</i>	<i>45.06</i>	<i>0.08</i>	<i>0.76</i>	<i>0.33</i>
2029						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.16	0.71	8.33	0.02	0.14	0.05

Table 4.2-1513. Plant 1 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
X-017 Primary Clarifiers 6-37	0.28	3.33	9.04	0.02	0.20	0.08
<i>Combined Maximum</i>	<i>0.44</i>	<i>4.04</i>	<i>17.37</i>	<i>0.04</i>	<i>0.34</i>	<i>0.13</i>
2030						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.16	0.70	8.32	0.02	0.14	0.05
X-017 Primary Clarifiers 6-37	0.28	1.44	8.95	0.02	0.17	0.08
<i>Combined Maximum</i>	<i>0.44</i>	<i>2.14</i>	<i>17.27</i>	<i>0.04</i>	<i>0.31</i>	<i>0.13</i>
2031						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.01	0.01	0.09	0.00	0.07	0.02
X-017 Primary Clarifiers 6-37	0.90	6.98	28.71	0.05	0.44	0.18
P1-127 Central Generation Rehabilitation	0.00	0.00	9.25	0.02	0.08	0.01
X-038 City Water Pump Station Rehabilitation	0.34	2.74	8.02	0.02	0.16	0.07
<i>Combined Maximum</i>	<i>1.25</i>	<i>9.73</i>	<i>46.07</i>	<i>0.09</i>	<i>0.75</i>	<i>0.28</i>
2032						
X-017 Primary Clarifiers 6-37	0.90	6.98	28.69	0.05	0.44	0.18
P1-127 Central Generation Rehabilitation	0.91	8.48	26.06	0.05	0.47	0.25
X-038 City Water Pump Station Rehabilitation	0.34	2.74	8.02	0.02	0.16	0.07
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	0.34	2.74	11.75	0.02	0.16	0.07
X-043 DAFT Demolition	0.40	2.18	13.52	0.03	0.46	0.13
<i>Combined Maximum</i>	<i>2.89</i>	<i>23.12</i>	<i>88.04</i>	<i>0.17</i>	<i>1.69</i>	<i>0.70</i>
2033						
X-017 Primary Clarifiers 6-37	0.01	0.01	0.09	0.00	0.07	0.02
P1-127 Central Generation Rehabilitation	0.21	1.81	3.72	0.01	0.10	0.06
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	1.14	10.27	28.13	0.05	0.52	0.29
<i>Combined Maximum</i>	<i>1.36</i>	<i>12.09</i>	<i>31.94</i>	<i>0.06</i>	<i>0.69</i>	<i>0.37</i>
2034						
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	1.13	10.26	28.11	0.05	0.52	0.29
X-015 Trickling Filters Rehabilitation	0.82	6.87	18.97	0.04	0.35	0.21
<i>Combined Maximum</i>	<i>1.95</i>	<i>17.13</i>	<i>47.08</i>	<i>0.09</i>	<i>0.87</i>	<i>0.50</i>

Table 4.2-1513. Plant 1 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2035						
X-015 Trickling Filters Rehabilitation	0.74	6.18	19.10	0.04	0.30	0.15
X-006 Waste Side-Stream Pump Station 1 Upgrade	1.41	11.41	25.15	0.05	0.45	0.23
<i>Combined Maximum</i>	2.15	17.59	44.25	0.09	0.75	0.38
2036						
X-015 Trickling Filters Rehabilitation	0.65	4.88	19.10	0.04	0.30	0.15
X-006 Waste Side-Stream Pump Station 1 Upgrade	0.42	4.55	19.53	0.04	0.27	0.11
X-039 Plant Water Pump Station Rehabilitation	0.32	2.69	7.98	0.02	0.15	0.06
X-079 Primary Scrubber Rehabilitation	0.63	3.89	25.10	0.05	0.41	0.14
<i>Combined Maximum</i>	2.02	16.01	71.71	0.15	1.13	0.46
2037						
X-039 Plant Water Pump Station Rehabilitation	0.08	0.29	4.14	0.01	0.08	0.03
X-079 Primary Scrubber Rehabilitation	0.55	3.60	20.96	0.04	0.29	0.12
X-018 Activated Sludge (AS) 2 Rehabilitation	0.80	6.11	15.46	0.03	0.31	0.15
<i>Combined Maximum</i>	1.43	10.00	40.56	0.08	0.68	0.30
2038						
X-018 Activated Sludge (AS) 2 Rehabilitation	0.80	6.11	12.97	0.02	0.34	0.15
<i>Combined Maximum</i>	0.80	6.11	12.97	0.02	0.34	0.15
2039						
X-018 Activated Sludge (AS) 2 Rehabilitation	0.28	2.75	12.47	0.02	0.34	0.12
<i>Combined Maximum</i>	0.28	2.75	12.47	0.02	0.34	0.12
Maximum						
Maximum Daily Emissions	6.26	23.12	88.04	0.17	1.69	0.70

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; DAFT = dissolved air flotation thickeners; RAS = return activated sludge.

See Appendix D for detailed results.

Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.

Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (**MM-AQ-1**). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOCs), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1614. Plant 2 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2021						
P2-138 Operations and Maintenance Complex at Plant 2	18.26	10.58	56.09	0.11	2.91	1.56
<i>Combined Maximum</i>	18.26	10.58	56.09	0.11	2.91	1.56
2022						
P2-138 Operations and Maintenance Complex at Plant 2	1.43	6.11	56.02	0.11	0.72	0.31
P2-126 Substation and Warehouse Replacement at Plant 2	1.11	8.48	48.75	0.08	3.43	1.77
<i>Combined Maximum</i>	2.54	14.59	104.77	0.19	4.15	2.08
2023						
P2-126 Substation and Warehouse Replacement at Plant 2	36.68	15.07	91.32	0.15	3.56	1.82
<i>Combined Maximum</i>	36.68	15.07	91.32	0.15	3.56	1.82
2024						
P2-126 Substation and Warehouse Replacement at Plant 2	3.64	15.04	91.17	0.15	1.38	0.52
X-050 Activated Sludge (AS) Aeration Basin	0.57	3.14	25.77	0.04	0.59	0.20
<i>Combined Maximum</i>	4.21	18.18	116.94	0.19	1.97	0.72
2025						
P2-126 Substation and Warehouse Replacement at Plant 2	1.20	8.19	53.81	0.09	0.83	0.31
X-050 Activated Sludge (AS) Aeration Basin	0.57	3.20	25.73	0.04	0.59	0.20
<i>Combined Maximum</i>	1.77	11.39	79.54	0.13	1.42	0.51
2026						
X-050 Activated Sludge (AS) Aeration Basin	0.48	3.19	12.27	0.02	0.24	0.11
X-032 Truck Loading Facility Rehabilitation	0.60	1.42	17.66	0.03	0.30	0.10
X-054 Waste Side-Stream Pump C Rehabilitation	0.61	3.68	20.92	0.03	0.32	0.15
<i>Combined Maximum</i>	1.69	8.29	50.85	0.08	0.86	0.36
2027						
X-050 Activated Sludge (AS) Aeration Basin	0.08	0.29	4.18	0.01	0.08	0.03
X-032 Truck Loading Facility Rehabilitation	0.60	4.80	17.63	0.03	0.30	0.21

Table 4.2-1614. Plant 2 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
X-054 Waste Side-Stream Pump C Rehabilitation	0.61	3.67	20.92	0.03	0.32	0.15
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	0.54	3.38	16.80	0.03	0.29	0.13
<i>Combined Maximum</i>	<i>1.83</i>	<i>12.14</i>	<i>59.53</i>	<i>0.10</i>	<i>0.99</i>	<i>0.52</i>
2028						
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	0.08	0.29	4.17	0.01	0.08	0.03
<i>Combined Maximum</i>	<i>0.08</i>	<i>0.29</i>	<i>4.17</i>	<i>0.01</i>	<i>0.08</i>	<i>0.03</i>
2031						
P2-119 Central Generation Rehabilitation	0.28	1.53	12.84	0.03	0.46	0.12
X-036 City Water Pump Station Rehabilitation	0.32	2.21	9.32	0.02	0.16	0.08
X-007 Waste Side-stream Pump Station 2A Upgrade	0.58	3.47	23.56	0.05	1.26	0.29
<i>Combined Maximum</i>	<i>1.18</i>	<i>7.21</i>	<i>45.72</i>	<i>0.10</i>	<i>1.88</i>	<i>0.49</i>
2032						
P2-119 Central Generation Rehabilitation	0.89	6.20	29.74	0.05	0.42	0.18
X-036 City Water Pump Station Rehabilitation	0.21	1.81	8.51	0.02	0.12	0.06
X-007 Waste Side-stream Pump Station 2A Upgrade	0.74	3.46	16.97	0.03	0.25	0.13
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition	0.40	2.72	21.61	0.04	0.39	0.11
<i>Combined Maximum</i>	<i>2.24</i>	<i>14.19</i>	<i>76.83</i>	<i>0.14</i>	<i>1.18</i>	<i>0.48</i>
2033						
P2-119 Central Generation Rehabilitation	0.08	0.29	4.15	0.01	0.08	0.03
<i>Combined Maximum</i>	<i>0.08</i>	<i>0.29</i>	<i>4.15</i>	<i>0.01</i>	<i>0.08</i>	<i>0.03</i>
2036						
X-014 Tricking Filter Solids-Contact Odor Control	0.54	3.78	20.21	0.04	0.29	0.12
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	0.56	4.30	11.73	0.02	0.23	0.11
X-030 Headworks Rehabilitation	0.15	0.68	6.26	0.01	0.12	0.04
<i>Combined Maximum</i>	<i>1.25</i>	<i>8.76</i>	<i>38.20</i>	<i>0.07</i>	<i>0.64</i>	<i>0.27</i>
2037						
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	0.62	4.52	16.18	0.03	0.27	0.12

Table 4.2-1614. Plant 2 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
X-030 Headworks Rehabilitation	0.51	3.43	18.55	0.03	0.26	0.11
X-031 Trickle Filter Solids-Contact Rehabilitation	0.67	4.53	31.08	0.06	0.47	0.18
<i>Combined Maximum</i>	<i>1.80</i>	<i>12.48</i>	<i>65.81</i>	<i>0.12</i>	<i>1.00</i>	<i>0.41</i>
2038						
X-030 Headworks Rehabilitation	0.51	3.43	18.55	0.03	0.26	0.11
X-031 Trickle Filter Solids-Contact Rehabilitation	0.85	6.13	28.76	0.05	0.42	0.18
<i>Combined Maximum</i>	<i>1.36</i>	<i>9.56</i>	<i>47.31</i>	<i>0.08</i>	<i>0.68</i>	<i>0.29</i>
2039						
X-030 Headworks Rehabilitation	0.08	0.29	4.14	0.01	0.08	0.03
X-031 Trickle Filter Solids-Contact Rehabilitation	0.85	6.13	28.20	0.05	0.40	0.16
<i>Combined Maximum</i>	<i>0.93</i>	<i>6.42</i>	<i>32.34</i>	<i>0.06</i>	<i>0.48</i>	<i>0.19</i>
2040						
X-031 Trickle Filter Solids-Contact Rehabilitation	1.15	7.17	42.09	0.08	0.60	0.23
<i>Combined Maximum</i>	<i>1.15</i>	<i>7.17</i>	<i>42.09</i>	<i>0.08</i>	<i>0.60</i>	<i>0.23</i>
Maximum						
Maximum Daily Emissions	36.68	18.18	116.94	0.19	4.15	2.08

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; RAS = Return Activated Sludge; PEPS = Primary Effluent Pump Station.

See Appendix D for detailed results.

Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.

Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (MM-AQ-1). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOCs), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1715. Joint Plant Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2021						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.31	1.35	16.58	0.03	0.16	0.07
<i>Combined Maximum</i>	<i>0.31</i>	<i>1.35</i>	<i>16.58</i>	<i>0.03</i>	<i>0.16</i>	<i>0.07</i>

Table 4.2-1715. Joint Plant Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2022						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.31	1.34	16.56	0.03	0.16	0.07
<i>Combined Maximum</i>	0.31	1.34	16.56	0.03	0.16	0.07
2023						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.30	1.29	16.54	0.03	0.16	0.07
<i>Combined Maximum</i>	0.30	1.29	16.54	0.03	0.16	0.07
2024						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.30	1.29	16.52	0.03	0.16	0.07
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	0.30	1.29	16.52	0.03	0.16	0.07
J-133 Laboratory Rehabilitation at Plant 1	0.66	3.87	9.95	0.02	2.86	1.55
<i>Combined Maximum</i>	1.26	6.45	42.99	0.08	3.18	1.69
2025						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.30	1.29	16.50	0.03	0.16	0.07
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	0.30	1.29	16.50	0.03	0.16	0.07
J-133 Laboratory Rehabilitation at Plant 1	39.28	4.84	21.36	0.04	1.20	0.24
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	3.04	22.09	48.76	0.08	1.46	1.03
<i>Combined Maximum</i>	42.92	29.51	103.12	0.18	2.98	1.41
2026						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.30	1.28	16.49	0.03	0.16	0.07
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	0.30	1.28	16.49	0.03	0.16	0.07

Table 4.2-1715. Joint Plant Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.34	18.45	28.23	0.05	1.07	0.84
<i>Combined Maximum</i>	2.94	21.01	61.21	0.11	1.39	0.98
2027						
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	0.30	1.28	16.47	0.03	0.16	0.07
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.45	28.19	0.05	1.07	0.84
J-121 Plantwide Miscellaneous Process Control System Upgrades	0.16	0.83	8.36	0.01	0.13	0.05
<i>Combined Maximum</i>	2.79	20.56	53.02	0.09	1.36	0.96
2028						
J-120 Plantwide Miscellaneous Process Control System Upgrades	0.30	1.28	16.46	0.03	0.16	0.07
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.45	28.17	0.05	1.07	0.84
J-121 Plantwide Miscellaneous Process Control System Upgrades	0.16	0.83	8.35	0.01	0.13	0.05
<i>Combined Maximum</i>	2.79	20.56	52.98	0.09	1.36	0.96
2029						
J-120 Plantwide Miscellaneous Process Control System Upgrades	0.29	1.28	16.45	0.03	0.16	0.07
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.44	28.17	0.05	1.07	0.84
<i>Combined Maximum</i>	2.62	19.72	44.62	0.08	1.23	0.91
2030						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	1.78	14.07	27.94	0.05	0.62	0.40
<i>Combined Maximum</i>	1.78	14.07	27.94	0.05	0.62	0.40

Table 4.2-1715. Joint Plant Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2031						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	1.77	14.06	27.92	0.05	0.62	0.40
<i>Combined Maximum</i>	1.77	14.06	27.92	0.05	0.62	0.40
2032						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	0.40	3.61	7.36	0.01	0.14	0.09
<i>Combined Maximum</i>	0.40	3.61	7.36	0.01	0.14	0.09
2035						
X-044 Steve Anderson Lift Station Rehabilitation	0.41	3.07	11.60	0.02	0.21	0.09
<i>Combined Maximum</i>	0.41	3.07	11.60	0.02	0.21	0.09
2036						
X-044 Steve Anderson Lift Station Rehabilitation	0.41	3.07	11.60	0.02	0.21	0.09
<i>Combined Maximum</i>	0.41	3.07	11.60	0.02	0.21	0.09
Maximum						
Maximum Daily Emissions	42.92	29.51	103.12	0.18	3.18	1.69

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

See Appendix D for detailed results.

Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.

Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (MM-AQ-1). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOC), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1816. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
2021						
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	0.47	2.10	24.89	0.04	0.26	0.11
<i>Combined Maximum</i>	0.47	2.10	24.89	0.04	0.26	0.11
2022						
7-68 MacArthur Dual Force Main Improvements	0.59	2.46	27.16	0.05	0.44	0.16

Table 4.2-1816. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
5-68 Newport Beach Pump Station Odor Control Improvements	1.04	6.35	25.28	0.04	0.48	0.26
7-65 Gisler-Red Hill Interceptor Rehabilitation	0.47	2.10	24.89	0.04	0.26	0.11
7-67 Main Street P5 Force Main Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
<i>Combined Maximum</i>	2.48	12.43	93.94	0.16	1.36	0.60
2023						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
7-68 MacArthur Dual Force Main Improvements	0.59	2.46	27.16	0.05	0.44	0.16
5-68 Newport Beach Pump Station Odor Control Improvements	0.99	6.22	25.19	0.04	0.46	0.24
7-65 Gisler-Red Hill Interceptor Rehabilitation	0.09	0.30	4.22	0.01	0.08	0.03
7-67 Main Street P5 Force Main Rehabilitation	0.31	1.43	16.58	0.03	0.17	0.07
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	1.95	16.67	22.64	0.04	0.99	0.84
<i>Combined Maximum</i>	4.43	29.21	122.41	0.22	2.45	1.46
2024						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
2-73 Yorba Linda Pump Station Abandonment	0.44	1.86	19.55	0.03	0.28	0.11
X-060 Newhope Placentia Chemical Dosing Station	1.27	7.37	41.00	0.07	0.62	0.30
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	1.82	15.63	22.58	0.04	0.88	0.73
X-082 North Trunk Improvement Project	0.62	2.67	27.42	0.04	0.46	0.17
<i>Combined Maximum</i>	4.65	29.66	137.17	0.23	2.55	1.43
2025						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
2-73 Yorba Linda Pump Station Abandonment	0.44	1.85	19.53	0.03	0.30	0.11
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	0.29	2.41	3.80	0.01	0.16	0.11

Table 4.2-1816. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
X-082 North Trunk Improvement Project	0.09	0.29	4.19	0.01	0.08	0.03
X-083 Greenville–Sullivan (Santa Ana) Sewer Upsize from 24 to 27 inch (14,460 feet)	0.66	2.73	27.41	0.04	0.47	0.17
<i>Combined Maximum</i>	<i>1.98</i>	<i>9.41</i>	<i>81.55</i>	<i>0.14</i>	<i>1.32</i>	<i>0.54</i>
2026						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
11-33 Edinger Pumping Station Replacement	0.28	1.17	12.85	0.02	0.21	0.08
X-083 Greenville–Sullivan (Santa Ana) Sewer Upsize from 24 to 27 inch (14,460 feet)	0.33	1.05	11.44	0.02	0.18	0.07
<i>Combined Maximum</i>	<i>1.11</i>	<i>4.35</i>	<i>50.91</i>	<i>0.09</i>	<i>0.70</i>	<i>0.27</i>
2027						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
11-33 Edinger Pumping Station Replacement	0.81	4.57	28.81	0.05	0.42	0.19
X-026 College Avenue Force Main Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
<i>Combined Maximum</i>	<i>1.88</i>	<i>9.20</i>	<i>82.52</i>	<i>0.15</i>	<i>1.21</i>	<i>0.48</i>
2028						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
11-33 Edinger Pumping Station Replacement	0.81	4.57	28.79	0.05	0.42	0.19
X-026 College Avenue Force Main Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
2-49 Taft Branch (City of Orange) Sewer Upsize	0.62	2.97	27.59	0.04	0.47	0.18
<i>Combined Maximum</i>	<i>2.50</i>	<i>12.17</i>	<i>110.09</i>	<i>0.19</i>	<i>1.68</i>	<i>0.66</i>
2029						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
X-063 South Santa Ana River Interceptor Connector Rehabilitation	0.58	2.46	27.18	0.04	0.44	0.16
<i>Combined Maximum</i>	<i>1.08</i>	<i>4.59</i>	<i>53.80</i>	<i>0.09</i>	<i>0.75</i>	<i>0.28</i>

Table 4.2-1816. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
2030						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16
<i>Combined Maximum</i>	<i>1.09</i>	<i>4.59</i>	<i>53.78</i>	<i>0.10</i>	<i>0.75</i>	<i>0.28</i>
2031						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	0.30	1.40	16.54	0.03	0.22	0.08
7-63 MacArthur Pump Station Rehabilitation	1.58	6.51	48.93	0.09	0.96	0.48
X-065 Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
X-023 Lido Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
11-34 Slater Avenue Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
7-64 Main Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
<i>Combined Maximum</i>	<i>4.09</i>	<i>17.10</i>	<i>169.01</i>	<i>0.31</i>	<i>2.51</i>	<i>1.06</i>
2032						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
7-63 MacArthur Pump Station Rehabilitation	1.57	6.50	48.89	0.09	0.93	0.48
X-065 Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
X-023 Lido Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
11-34 Slater Avenue Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
7-64 Main Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
<i>Combined Maximum</i>	<i>3.78</i>	<i>15.69</i>	<i>152.43</i>	<i>0.28</i>	<i>2.26</i>	<i>0.98</i>
2033						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
3-67 Seal Beach Pump Station Replacement	1.78	8.11	23.79	0.04	2.83	1.53

Table 4.2-1816. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
X-084 Tustin Avenue Sewer Relief	0.57	2.50	27.09	0.05	0.48	0.17
11-34 Slater Avenue Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
7-64 Main Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
3-68 Los Alamitos Sub-Trunk Extension	1.48	26.75	44.49	0.18	3.72	1.09
<i>Combined Maximum</i>	<i>5.09</i>	<i>42.53</i>	<i>155.21</i>	<i>0.38</i>	<i>7.70</i>	<i>3.05</i>
2034						
3-67 Seal Beach Pump Station Replacement	0.01	0.01	0.09	0.00	0.07	0.02
X-066 Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
X-086 Santa Ana River Sewer Relief	0.69	2.71	27.22	0.05	0.51	0.18
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16
<i>Combined Maximum</i>	<i>1.86</i>	<i>7.68</i>	<i>81.56</i>	<i>0.15</i>	<i>1.50</i>	<i>0.53</i>
2035						
X-086 Santa Ana River Sewer Relief	0.69	2.70	27.20	0.05	0.53	0.18
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16
<i>Combined Maximum</i>	<i>1.28</i>	<i>5.16</i>	<i>54.36</i>	<i>0.10</i>	<i>0.97</i>	<i>0.34</i>
2036						
X-040 College Avenue Pump Station Replacement	0.78	6.32	13.88	0.03	0.25	0.13
X-061 Imperial Highway Relief Interceptor Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16
X-022 15th Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-041 A Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-024 Rocky Point Pump Station Rehabilitation	0.78	6.32	22.95	0.04	0.38	0.17
<i>Combined Maximum</i>	<i>2.91</i>	<i>18.14</i>	<i>97.21</i>	<i>0.18</i>	<i>1.43</i>	<i>0.60</i>
2037						
X-040 College Avenue Pump Station Replacement	0.53	4.33	22.95	0.04	0.38	0.17
X-061 Imperial Highway Relief Interceptor Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16

Table 4.2-1816. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
X-068 North Trunk Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
X-022 15th Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-041 A Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-024 Rocky Point Pump Station Rehabilitation	0.78	6.32	22.95	0.04	0.38	0.17
X-025 Bitter Point Pump Station Rehabilitation	0.78	6.32	22.95	0.04	0.38	0.17
<i>Combined Maximum</i>	4.39	26.49	172.93	0.31	2.60	1.05
2038						
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-025 Bitter Point Pump Station Rehabilitation	0.78	6.32	22.95	0.04	0.38	0.17
<i>Combined Maximum</i>	1.16	7.84	39.56	0.07	0.56	0.24
Maximum						
Maximum Daily Emissions	5.09	42.53	172.93	0.38	7.70	3.05

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter.

See Appendix D for detailed results.

Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.

Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (**MM-AQ-1**). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOCs), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.

^a These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1917. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
2021						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	18.26	10.58	56.09	0.11	2.91	1.56
Joint Plant	0.31	1.35	16.58	0.03	0.16	0.07
Collection System	0.47	2.1	24.89	0.04	0.26	0.11
<i>Combined Maximum</i>	19.04	14.03	97.56	0.18	3.33	1.74
2022						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00

Table 4.2-1917. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
Plant 2	2.54	14.59	104.77	0.19	4.15	2.08
Joint Plant	0.31	1.34	16.56	0.03	0.16	0.07
Collection System	2.48	12.43	93.94	0.16	1.36	0.6
<i>Combined Maximum</i>	5.33	28.36	215.27	0.38	5.67	2.75
2023						
Plant 1	0.88	4.12	31.66	0.06	0.59	0.22
Plant 2	36.68	15.07	91.32	0.15	3.56	1.82
Joint Plant	0.30	1.29	16.54	0.03	0.16	0.07
Collection System	4.43	29.21	122.41	0.22	2.45	1.46
<i>Combined Maximum</i>	42.29	49.69	261.93	0.46	6.76	3.57
2024						
Plant 1	1.55	6.3	50.66	0.08	1.55	0.55
Plant 2	4.21	18.18	116.94	0.19	1.97	0.72
Joint Plant	1.26	6.45	42.99	0.08	3.18	1.69
Collection System	4.65	29.66	137.17	0.23	2.55	1.43
<i>Combined Maximum</i>	11.67	60.59	347.76	0.58	9.25	4.39
2025						
Plant 1	1.7	8.43	55.9	0.1	1.37	0.49
Plant 2	1.77	11.39	79.54	0.13	1.42	0.51
Joint Plant	42.92	29.51	103.12	0.18	2.98	1.41
Collection System	1.98	9.41	81.55	0.14	1.32	0.54
<i>Combined Maximum</i>	48.37	58.74	320.11	0.55	7.09	2.95
2026						
Plant 1	6.26	10.66	59.87	0.1	1.43	0.54
Plant 2	1.69	8.29	50.85	0.08	0.86	0.36
Joint Plant	2.94	21.01	61.21	0.11	1.39	0.98
Collection System	1.11	4.35	50.91	0.09	0.7	0.27
<i>Combined Maximum</i>	12.00	44.31	222.84	0.38	4.38	2.15
2027						
Plant 1	1.9	9.83	62.58	0.1	1.1	0.47
Plant 2	1.83	12.14	59.53	0.1	0.99	0.52
Joint Plant	2.79	20.56	53.02	0.09	1.36	0.96
Collection System	1.88	9.2	82.52	0.15	1.21	0.48
<i>Combined Maximum</i>	8.40	51.73	257.65	0.44	4.66	2.43
2028						
Plant 1	1.32	7.81	45.06	0.08	0.76	0.33
Plant 2	0.08	0.29	4.17	0.01	0.08	0.03
Joint Plant	2.79	20.56	52.98	0.09	1.36	0.96
Collection System	2.5	12.17	110.09	0.19	1.68	0.66
<i>Combined Maximum</i>	6.69	40.83	212.30	0.37	3.88	1.98
2029						
Plant 1	0.44	4.04	17.37	0.04	0.34	0.13
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00

Table 4.2-1917. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>					
Joint Plant	2.62	19.72	44.62	0.08	1.23	0.91
Collection System	1.08	4.59	53.8	0.09	0.75	0.28
<i>Combined Maximum</i>	4.14	28.35	115.79	0.21	2.32	1.32
2030						
Plant 1	0.44	2.14	17.27	0.04	0.31	0.13
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	1.78	14.07	27.94	0.05	0.62	0.40
Collection System	1.09	4.59	53.78	0.10	0.75	0.28
<i>Combined Maximum</i>	3.31	20.80	98.99	0.19	1.68	0.81
2031						
Plant 1	1.25	9.73	46.07	0.09	0.75	0.28
Plant 2	1.18	7.21	45.72	0.10	1.88	0.49
Joint Plant	1.77	14.06	27.92	0.05	0.62	0.40
Collection System	4.09	17.10	169.01	0.31	2.51	1.06
<i>Combined Maximum</i>	8.29	48.10	288.72	0.55	5.76	2.23
2032						
Plant 1	2.89	23.12	88.04	0.17	1.69	0.7
Plant 2	2.24	14.19	76.83	0.14	1.18	0.48
Joint Plant	0.4	3.61	7.36	0.01	0.14	0.09
Collection System	3.78	15.69	152.43	0.28	2.26	0.98
<i>Combined Maximum</i>	9.31	56.61	324.66	0.60	5.27	2.25
2033						
Plant 1	1.36	12.09	31.94	0.06	0.69	0.37
Plant 2	0.08	0.29	4.15	0.01	0.08	0.03
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	5.09	42.53	155.21	0.38	7.70	3.05
<i>Combined Maximum</i>	6.53	54.91	191.30	0.45	8.47	3.45
2034						
Plant 1	1.95	17.13	47.08	0.09	0.87	0.5
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	1.86	7.68	81.56	0.15	1.5	0.53
<i>Combined Maximum</i>	3.81	24.81	128.64	0.24	2.37	1.03
2035						
Plant 1	2.15	17.59	44.25	0.09	0.75	0.38
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	0.41	3.07	11.6	0.02	0.21	0.09
Collection System	1.28	5.16	54.36	0.1	0.97	0.34
<i>Combined Maximum</i>	3.84	25.82	110.21	0.21	1.93	0.81
2036						
Plant 1	2.02	16.01	71.71	0.15	1.13	0.46
Plant 2	1.25	8.76	38.2	0.07	0.64	0.27
Joint Plant	0.41	3.07	11.6	0.02	0.21	0.09

Table 4.2-1917. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO _x	CO	SO _x	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day					
Collection System	2.91	18.14	97.21	0.18	1.43	0.6
<i>Combined Maximum</i>	6.59	45.98	218.72	0.42	3.41	1.42
2037						
Plant 1	1.43	10	40.56	0.08	0.68	0.3
Plant 2	1.8	12.48	65.81	0.12	1	0.41
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	4.39	26.49	172.93	0.31	2.6	1.05
<i>Combined Maximum</i>	7.62	48.97	279.30	0.51	4.28	1.76
2038						
Plant 1	0.8	6.11	12.97	0.02	0.34	0.15
Plant 2	1.36	9.56	47.31	0.08	0.68	0.29
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	1.16	7.84	39.56	0.07	0.56	0.24
<i>Combined Maximum</i>	3.32	23.51	99.84	0.17	1.58	0.68
2039						
Plant 1	0.28	2.75	12.47	0.02	0.34	0.12
Plant 2	0.93	6.42	32.34	0.06	0.48	0.19
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00	0.00	0.00
<i>Combined Maximum</i>	1.21	9.17	44.81	0.08	0.82	0.31
2040						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	1.15	7.17	42.09	0.08	0.6	0.23
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00	0.00	0.00
<i>Combined Maximum</i>	1.15	7.17	42.09	0.08	0.60	0.23
Maximum						
Maximum Daily Emissions	48.37	60.59	347.76	0.60	9.25	4.39
<i>SCAQMD Threshold</i>	75	100	550	150	150	55
Threshold exceeded?	No	No	No	No	No	No

Notes: FMP = Facilities Master Plan; VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District. See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-1917, maximum daily NO_x emissions generated during proposed project construction would be reduced below the SCAQMD mass daily construction threshold of 100 pounds per day in all construction years. Accordingly, regarding the potential for the proposed project to result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard, impacts would be less than significant with mitigation.

3. *Would the project expose sensitive receptors to substantial pollutant concentrations?*

Less-than-Significant Impact with Mitigation Incorporated. The potential for the proposed project to result in impacts relating to LSTs, CO hotspots, TACs (health risk), and health effects associated with criteria air pollutants are discussed below.

As discussed in Section 4.2.1.3, sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, the elderly, and people with cardiovascular and chronic respiratory diseases. According to SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

Sensitive receptors near Plant 1 include residential receptors approximately 100 feet from the western boundary of the site and 400 feet from the eastern site boundary; sensitive receptors near Plant 2 include residential receptors approximately 100 feet from the western boundary of the site. The joint plant projects would occur on Plant 1 and/or Plant 2, so the closest sensitive receptors are the same as the ones identified for Plant 1 and Plant 2. The collection system projects are located within the Sanitation District operating region, which includes developed lands that support various land uses, and sensitive receptors such as residences could be located within 25 meters (approximately 82 feet) of project sites.

Localized Significance Thresholds

An LST analysis has been prepared to determine potential impacts to nearby sensitive receptors during construction of the project. As indicated in the discussion of the thresholds of significance (Section 4.2.3), SCAQMD also recommends the evaluation of localized NO₂, CO, PM₁₀, and PM_{2.5} impacts as a result of construction activities to sensitive receptors in the immediate vicinity of the project site. The impacts were analyzed using methods consistent with those in SCAQMD's Final LST Methodology (2009). According to the Final LST Methodology, "off-site mobile emissions from the project should not be included in the emissions compared to the LSTs" (SCAQMD 2008). Hauling of construction materials associated with project construction are not expected to cause substantial air quality impacts to sensitive receptors along off-site roadways. Localized emissions from the trucks would be relatively brief in nature and would cease once the trucks pass through the main streets.

LSTs are evaluated at a site-specific level because the focus is localized emissions. While emissions from project activities would occur at different locations within the Plant 1 and Plant 2 sites and thus, the nearest off-site sensitive receptors would be different, emissions from all areas of activity are conservatively combined and presented in the on-site emissions for Plants 1 and 2. For example, activities occurring within the plants could be far apart, and would impact different receptors. By combining emissions, the analysis assumes that all emissions are impacting the same receptor equally. Because the joint plant projects would occur on Plant 1 and/or Plant 2, maximum on-site emissions were added to the Plant 1 and/or Plant 2 on-site emissions, as appropriate.

Conversely, the collection system projects would occur at different locations within the Sanitation District service area and would not potentially impact the same receptor at the same time. Therefore, collection system projects are evaluated on the individual project level and are not combined before comparing to the applicable SCAQMD LST.

Construction activities associated with the proposed project would result in temporary sources of on-site fugitive dust and construction equipment emissions. As discussed above, off-site emissions from vendor trucks, haul trucks, and worker vehicle trips are not included in the LST analysis. The most stringent SCAQMD localized significance criteria for the appropriate SRA (for 1-acre project sites corresponding to a distance to a sensitive receptor of 25 meters [82 feet]) are presented in Tables 4.2-2018, 4.2-2119, and 4.2-2220, and compared to the maximum daily on-site construction emissions generated during proposed project construction activities. The LSTs applied are conservative because for some FMP projects, the nearest sensitive receptor could be located farther from the project site than 25 meters, which would result in a less stringent (i.e., higher) LST criteria.

Table 4.2-2018. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
2021				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	12.66	14.74	0.67	0.67
<i>Combined Maximum</i>	12.66	14.74	0.67	0.67
2022				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	11.71	14.70	0.59	0.59
<i>Combined Maximum</i>	11.71	14.70	0.59	0.59
2023				
P1-135 Digester Ferric Piping Replacement	21.57	27.79	1.06	1.00
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	10.86	14.68	0.51	0.51
<i>Combined Maximum</i>	32.43	42.47	1.57	1.51
2024				
P1-126 Primary Clarifiers Replacements and Improvements	25.77	36.48	1.66	1.19
X-090 Network, Telecommunications, and Service Relocation	5.97	7.39	0.59	0.43
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	10.18	14.66	0.44	0.44
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	10.18	14.66	0.44	0.44
J-133 Laboratory Rehabilitation at Plant 1	12.73	8.48	3.24	1.97
<i>Combined Maximum</i>	64.83	81.67	6.37	4.47
2025				
P1-126 Primary Clarifiers Replacements and Improvements	19.66	25.89	0.78	0.76
X-093 Administrative Facilities and Power Building 3A Demolition	11.45	14.45	0.85	0.51

Table 4.2-2018. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
X-077 Switchgear Replacement at Central Generation	6.38	7.32	0.27	0.26
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	9.58	14.64	0.38	0.38
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
J-133 Laboratory Rehabilitation at Plant 1	13.82	18.10	1.19	0.56
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	<i>88.76</i>	<i>122.66</i>	<i>4.61</i>	<i>3.61</i>
2026				
P1-126 Primary Clarifiers Replacements and Improvements	19.66	25.89	0.78	0.76
X-093 Administrative Facilities and Power Building 3A Demolition	11.45	14.45	0.85	0.51
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	8.76	10.37	0.33	0.32
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	9.58	14.64	0.38	0.38
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	<i>77.32</i>	<i>107.61</i>	<i>3.48</i>	<i>3.11</i>
2027				
P1-126 Primary Clarifiers Replacements and Improvements	19.42	25.67	0.82	0.78
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	8.76	10.37	0.33	0.32
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	12.40	18.37	0.56	0.48
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
<i>Combined Maximum</i>	<i>50.16</i>	<i>69.05</i>	<i>2.09</i>	<i>1.96</i>
2028				
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	21.24	28.40	0.83	0.81
P1-126 Primary Clarifiers Replacements and Improvements	7.85	12.14	0.33	0.33

Table 4.2-2018. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
<i>Combined Maximum</i>	38.67	55.18	1.54	1.52
2029				
X-017 Primary Clarifiers 6-37	6.37	7.94	0.25	0.23
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	5.53	7.94	0.22	0.22
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
<i>Combined Maximum</i>	21.48	30.52	0.85	0.83
2030				
X-017 Primary Clarifiers 6-37	4.34	7.89	0.10	0.10
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	4.34	7.89	0.10	0.10
<i>Combined Maximum</i>	8.68	15.78	0.20	0.20
2031				
P1-127 Central Generation Rehabilitation	2.47	7.26	0.07	0.07
X-017 Primary Clarifiers 6-37	13.18	24.95	0.26	0.26
X-038 City Water Pump Station Rehabilitation	3.68	6.46	0.08	0.08
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.00	0.00	0.00	0.00
<i>Combined Maximum</i>	19.33	38.67	0.41	0.41
2032				
P1-127 Central Generation Rehabilitation	12.66	23.75	0.25	0.25
X-017 Primary Clarifiers 6-37	13.18	24.95	0.26	0.26
X-038 City Water Pump Station Rehabilitation	3.68	6.46	0.08	0.08
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	4.76	9.74	0.11	0.11
X-043 Dissolved Air Flotation Thickener (DAFT) Demolition	4.47	11.99	0.37	0.17
<i>Combined Maximum</i>	38.75	76.89	1.07	0.87
2033				
P1-127 Central Generation Rehabilitation	1.80	3.64	0.04	0.04
X-017 Primary Clarifiers 6-37	0.00	0.00	0.00	0.00
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	13.28	25.84	0.28	0.28
<i>Combined Maximum</i>	15.08	29.48	0.32	0.32
2034				
X-015 Trickling Filters Rehabilitation	6.74	16.86	0.21	0.16
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	13.28	25.84	0.28	0.28
<i>Combined Maximum</i>	20.02	42.70	0.49	0.44

Table 4.2-2018. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
2035				
X-006 Waste Sidestream Pump Station 1 Upgrade	11.27	24.75	0.15	0.15
X-015 Trickling Filters Rehabilitation	7.23	16.94	0.12	0.12
<i>Combined Maximum</i>	18.50	41.69	0.27	0.27
2036				
X-006 Waste Sidestream Pump Station 1 Upgrade	7.97	17.38	0.10	0.10
X-015 Trickling Filters Rehabilitation	7.23	16.94	0.12	0.12
X-039 Plant Water Pump Station Rehabilitation	3.16	6.43	0.05	0.05
X-079 Primary Scrubber Rehabilitation	9.27	21.66	0.23	0.14
<i>Combined Maximum</i>	27.63	62.41	0.50	0.41
2037				
X-039 Plant Water Pump Station Rehabilitation	1.60	3.63	0.02	0.02
X-079 Primary Scrubber Rehabilitation	7.67	18.04	0.13	0.13
X-018 Activated Sludge (AS) 2 Rehabilitation	5.98	13.41	0.09	0.09
<i>Combined Maximum</i>	15.25	35.08	0.24	0.24
2038				
X-018 Activated Sludge (AS) 2 Rehabilitation	5.98	12.68	0.09	0.09
<i>Combined Maximum</i>	5.98	12.68	0.09	0.09
2039				
X-018 Activated Sludge (AS) 2 Rehabilitation	5.30	10.36	0.06	0.06
<i>Combined Maximum</i>	5.30	10.36	0.06	0.06
Maximum				
Maximum Daily On-Site Emissions	88.76	122.66	6.37	4.47
<i>SCAQMD LST</i>	92	647	4	3
Threshold exceeded?	No	No	Yes	Yes

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold; RAS = return activated sludge.

See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2018, the combined maximum emissions from Plant 1 and applicable joint plant projects would exceed the LST for PM₁₀ during two construction years (2024 and 2025), and would exceed the LST for PM_{2.5} during three construction years (2024, 2025, and 2026); NO_x and CO LSTs would not be exceeded during all construction years.

Table 4.2-2119 presents estimated maximum daily on-site criteria air pollutant emissions generated during proposed construction of Plant 2 projects and joint plant projects located within the Plant 2 boundaries.

Table 4.2-2119. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
2021				
P2-138 Operations and Maintenance Complex at Plant 2	59.01	40.22	3.49	2.57
<i>Combined Maximum</i>	59.01	40.22	3.49	2.57
2022				
P2-126 Substation and Warehouse Replacement at Plant 2	27.47	31.75	3.40	2.12
P2-138 Operations and Maintenance Complex at Plant 2	50.00	39.01	2.35	2.11
<i>Combined Maximum</i>	77.47	70.76	5.75	4.23
2023				
P2-126 Substation and Warehouse Replacement at Plant 2	54.92	68.33	4.59	3.29
<i>Combined Maximum</i>	54.92	68.33	4.59	3.29
2024				
P2-126 Substation and Warehouse Replacement at Plant 2	58.16	80.32	2.59	2.41
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	15.95	23.30	0.71	0.71
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	10.18	14.66	0.44	0.44
<i>Combined Maximum</i>	84.29	118.28	3.74	3.56
2025				
P2-126 Substation and Warehouse Replacement at Plant 2	32.36	46.46	1.35	1.24
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	15.05	23.27	0.61	0.61
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	75.28	111.99	3.10	2.99
2026				
X-032 Truck Loading Facility Rehabilitation at Plant 2	11.64	15.16	0.45	0.43
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	8.76	10.37	0.33	0.32
X-054 Waste Side-Stream Pump Station C Rehabilitation at Plant 2	11.74	18.57	0.47	0.45

Table 4.2-2119. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	<i>60.01</i>	<i>86.36</i>	<i>2.39</i>	<i>2.34</i>
2027				
X-032 Truck Loading Facility Rehabilitation at Plant 2	11.64	15.16	0.45	0.43
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition at Plant 2	9.33	14.89	0.39	0.36
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	2.40	3.66	0.10	0.10
X-054 Waste Side-Stream Pump Station C Rehabilitation at Plant 2	11.74	18.57	0.47	0.45
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	4.79	7.32	0.19	0.19
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	<i>67.77</i>	<i>101.86</i>	<i>2.74</i>	<i>2.67</i>
2028				
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition at Plant 2	2.40	3.66	0.10	0.10
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	4.79	7.32	0.19	0.19
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	<i>35.06</i>	<i>53.24</i>	<i>1.43</i>	<i>1.43</i>
2029				
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	<i>27.87</i>	<i>42.26</i>	<i>1.14</i>	<i>1.14</i>

Table 4.2-2119. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
2030				
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	13.92	27.45	0.32	0.32
<i>Combined Maximum</i>	13.92	27.45	0.32	0.32
2031				
P2-119 Central Generation Rehabilitation at Plant 2	3.98	10.80	0.30	0.13
X-007 Waste Side-stream Pump Station 2A Upgrade at Plant 2	13.03	26.37	0.41	0.41
X-036 City Water Pump Station Rehabilitation at Plant 2	2.47	7.26	0.10	0.08
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	13.92	27.45	0.32	0.32
<i>Combined Maximum</i>	33.40	71.88	1.13	0.94
2032				
P2-119 Central Generation Rehabilitation at Plant 2	13.68	26.10	0.27	0.27
X-007 Waste Side-stream Pump Station 2A Upgrade at Plant 2	7.28	13.73	0.15	0.15
X-036 City Water Pump Station Rehabilitation at Plant 2	3.68	6.46	0.08	0.08
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition at Plant 2	9.17	17.40	0.48	0.29
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	3.61	7.27	0.07	0.07
<i>Combined Maximum</i>	37.42	70.96	1.05	0.86
2033				
P2-119 Central Generation Rehabilitation at Plant 2	1.80	3.64	0.04	0.04
<i>Combined Maximum</i>	1.80	3.64	0.04	0.04
2036				
X-014 Trickling Filter Solids-Contact Odor Control	6.75	17.25	0.10	0.10
X-030 Headworks Rehabilitation	1.98	4.88	0.04	0.04
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation at Plant 2	4.07	11.10	0.07	0.07
<i>Combined Maximum</i>	12.80	33.23	0.21	0.21

Table 4.2-2119. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
2037				
X-030 Headworks Rehabilitation	7.32	16.04	0.09	0.09
X-031 Trickle Filter Solids-Contact Rehabilitation at Plant 2	11.76	27.45	0.16	0.16
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation at Plant 2	6.86	14.83	0.09	0.09
<i>Combined Maximum</i>	<i>25.94</i>	<i>58.32</i>	<i>0.34</i>	<i>0.34</i>
2038				
X-030 Headworks Rehabilitation	7.32	16.04	0.09	0.09
X-031 Trickle Filter Solids-Contact Rehabilitation at Plant 2	11.76	25.85	0.15	0.15
<i>Combined Maximum</i>	<i>19.08</i>	<i>41.89</i>	<i>0.24</i>	<i>0.24</i>
2039				
X-030 Headworks Rehabilitation	1.60	3.63	0.02	0.02
X-031 Trickle Filter Solids-Contact Rehabilitation at Plant 2	11.12	23.76	0.14	0.14
<i>Combined Maximum</i>	<i>12.72</i>	<i>27.39</i>	<i>0.16</i>	<i>0.16</i>
2040				
X-031 Trickle Filter Solids-Contact Rehabilitation at Plant 2	13.62	36.36	0.20	0.20
<i>Combined Maximum</i>	<i>13.62</i>	<i>36.36</i>	<i>0.20</i>	<i>0.20</i>
Maximum				
Maximum Daily On-Site Emissions	84.29	118.28	4.59	3.56
<i>SCAQMD LST</i>	<i>92</i>	<i>647</i>	<i>4</i>	<i>3</i>
Threshold exceeded?	No	No	Yes	Yes

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold; RAS = return activated sludge ;PEPS = Primary Effluent Pump Station.

See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2119, combined maximum emissions of Plant 2 and applicable joint plant projects would exceed the applicable LST for PM₁₀ during two construction years (2022 and 2023) and exceed the LST for PM_{2.5} during three construction years (2022, 2023, and 2024), primarily due to construction of P2-126 Substation and Warehouse Replacement at Plant 2 and P2-138 Operations and Maintenance Complex at Plant 2. For the remaining construction years, combined maximum on-site emissions would not exceed the applicable LST.

Table 4.2-2220 presents estimated maximum daily on-site criteria air pollutant emissions generated during construction of collection system projects. As previously explained, because the collection system projects would occur at various sites within the Sanitation District service area, each project is evaluated individually

in its potential to exceed the applicable LSTs rather than combined, as performed for the Plant 1, Plant 2, and joint plant projects, which would occur within the same area.

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day			
2021				
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	17.65	22.17	0.9	0.9
<i>Maximum</i>	17.65	22.17	0.90	0.90
2022				
7-68 MacArthur Dual Force Main Improvements	19.21	45.96	0.65	0.62
5-68 Newport Beach Pump Station Odor Control	19.23	22.69	1.01	0.99
7-65 Gisler – Red Hill Interceptor Rehabilitation	17.65	22.17	0.90	0.90
7-67 Main Street P5 Force Main Rehabilitation	11.79	14.82	0.61	0.61
<i>Maximum</i>	19.23	45.96	1.01	0.99
2023				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
7-68 MacArthur Dual Force Main Improvements	19.21	45.96	0.65	0.62
5-68 Newport Beach Pump Station Odor Control Improvements	17.86	22.58	0.88	0.86
7-65 Gisler – Red Hill Interceptor Rehabilitation	2.72	3.67	0.13	0.13
7-67 Main Street P5 Force Main Rehabilitation	10.94	14.79	0.53	0.53
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	16.37	22.13	0.78	0.78
<i>Maximum</i>	19.21	45.96	0.88	0.86
2024				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
2-73 Yorba Linda Pump Station Abandonment	17.51	16.36	0.82	0.74
X-060 Newhope Placentia Chemical Dosing Station	27.60	36.38	1.19	1.17
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	15.34	22.10	0.68	0.68
X-082 North Trunk Improvement Project	15.11	23.74	0.73	0.70
<i>Maximum</i>	27.60	36.38	1.19	1.17
2025				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day			
2-73 Yorba Linda Pump Station Abandonment	16.12	16.17	0.72	0.65
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	2.40	3.66	0.10	0.10
X-082 North Trunk Improvement Project	2.40	3.66	0.10	0.10
X-083 Greenville–Sullivan (Santa Ana) Sewer upsized from 24 to 27 inch (14,460 feet)	13.89	23.68	0.64	0.60
<i>Maximum</i>	16.12	23.68	0.72	0.65
2026				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
11-33 Edinger Pumping Station Replacement	9.08	11.04	0.39	0.36
X-083 Greenville–Sullivan (Santa Ana) Sewer upsized from 24 to 27 inch (14,460 feet)	5.82	9.70	0.28	0.26
<i>Maximum</i>	9.08	12.17	0.45	0.45
2027				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
11-33 Edinger Pumping Station Replacement	16.64	25.43	0.66	0.65
X-026 College Avenue Force Main Rehabilitation	10.33	24.74	0.32	0.32
<i>Maximum</i>	16.64	25.43	0.66	0.65
2028				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
11-33 Edinger Pumping Station Replacement	16.64	25.43	0.66	0.65
X-026 College Avenue Force Main Rehabilitation	10.33	24.74	0.32	0.32
2-49 Taft Branch (City of Orange) Sewer Upsize	14.26	23.99	0.65	0.61
<i>Maximum</i>	16.64	25.43	0.66	0.65
2029				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
X-063 South Santa Ana River Interceptor Connector Rehabilitation	13.89	23.68	0.63	0.60
<i>Maximum</i>	13.89	23.68	0.63	0.60
2030				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
X-071 Edinger / Springdale Trunk Sewer Rehabilitation	10.33	24.74	0.32	0.32
<i>Maximum</i>	10.33	24.74	0.45	0.45

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day			
2031				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
X-071 Edinger / Springdale Trunk Sewer Rehabilitation	7.25	14.65	0.19	0.19
7-63 MacArthur Pump Station Rehabilitation	19.21	45.96	0.65	0.62
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	10.33	24.74	0.32	0.32
X-023 Lido Pump Station Rehabilitation	11.79	14.82	0.61	0.61
11-34 Slater Avenue Pump Station Rehabilitation	11.79	14.82	0.61	0.61
7-64 Main Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
<i>Maximum</i>	19.21	45.96	0.65	0.62
2032				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
7-63 MacArthur Pump Station Rehabilitation	19.21	45.96	0.65	0.62
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	10.33	24.74	0.32	0.32
X-023 Lido Pump Station Rehabilitation	11.79	14.82	0.61	0.61
11-34 Slater Avenue Pump Station Rehabilitation	11.79	14.82	0.61	0.61
7-64 Main Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
<i>Maximum</i>	19.21	45.96	0.65	0.62
2033				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
3-67 Seal Beach Pump Station Replacement	11.89	23.49	2.87	1.65
3-68 Los Alamitos Sub-Trunk Extension	10.48	21.16	0.37	0.28
11-34 Slater Avenue Pump Station Rehabilitation	11.79	14.82	0.61	0.61
7-64 Main Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
X-084 Tustin Avenue Sewer Relief	10.33	24.74	0.32	0.32
<i>Maximum</i>	11.89	24.74	2.87	1.65
2034				
3-67 Seal Beach Pump Station Replacement	0.00	0.00	0.00	0.00
X-066 Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation	10.33	24.74	0.32	0.32
X-086 Santa Ana River Sewer Relief	10.33	24.74	0.33	0.32

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day			
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	19.21	45.96	0.65	0.62
<i>Maximum</i>	19.21	45.96	0.65	0.62
2035				
X-086 Santa Ana River Sewer Relief	8.43	24.71	0.19	0.18
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	19.21	45.96	0.65	0.62
<i>Maximum</i>	19.21	45.96	0.65	0.62
2036				
X-040 College Avenue Pump Station Replacement	6.19	13.64	0.08	0.08
X-061 Imperial Highway Relief Interceptor Rehabilitation	19.21	45.96	0.65	0.62
X-022 15th Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
X-041 A Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
X-024 Rocky Point Pump Station Rehabilitation	9.71	22.75	0.14	0.14
<i>Maximum</i>	19.21	45.96	0.65	0.62
2037				
X-040 College Avenue Pump Station Replacement	9.71	22.75	0.14	0.14
X-061 Imperial Highway Relief Interceptor Rehabilitation	19.21	45.96	0.65	0.62
X-068 North Trunk Rehabilitation	10.33	24.74	0.32	0.32
X-022 15th Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
X-041 A Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	11.79	14.82	0.61	0.61
X-024 Rocky Point Pump Station Rehabilitation	9.71	22.75	0.14	0.14
X-025 Bitter Point Pump Station Rehabilitation	9.71	22.75	0.14	0.14
<i>Maximum</i>	19.21	45.96	0.65	0.62
2038				
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	11.79	14.82	0.61	0.61
X-025 Bitter Point Pump Station Rehabilitation	9.71	22.75	0.14	0.14
<i>Maximum</i>	11.79	22.75	0.61	0.61

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day			
Maximum				
Maximum Daily On-Site Emissions	27.60	45.96	2.87	1.65
SCAQMD LST	81	647	4	3
Threshold exceeded?	No	No	No	No

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.

See Appendix D for detailed results.

^a These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2220, no collection system project would exceed the applicable LST.

Summary

As shown in Table 4.2-2018, Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions, the combined maximum emissions from Plant 1 and applicable joint plant projects would exceed the LST for PM₁₀ during two construction years (2024 and 2025), and would exceed the LST for PM_{2.5} during three construction years (2024, 2025, and 2026); NO_x and CO LSTs would not be exceeded during all construction years. As shown in Table 4.2-2119, Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions, combined maximum emissions of Plant 2 and applicable joint plant projects would exceed the applicable LST for PM₁₀ during two construction years (2022 and 2023) and exceed the LST for PM_{2.5} during three construction years (2022, 2023, and 2024), primarily due to construction of P2-126 Substation and Warehouse Replacement at Plant 2 and P2-138 Operations and Maintenance Complex at Plant 2. For the remaining construction years, combined maximum on-site emissions would not exceed the applicable LST. As shown in Table 4.2-2220, Collection System Estimated Maximum Daily On-Site Construction Emissions, no collection system project would exceed the applicable LST. Due to the exceedance of the PM₁₀ and PM_{2.5} LSTs at Plant 1 and Plant 2, the proposed project would result in a potentially significant LST impact and **MM-AQ-1** would be required.

MM-AQ-1 would be implemented to reduce on-site emissions of PM₁₀ and PM_{2.5}, specifically from on-site construction equipment. No collection system project would exceed the applicable LST. Only the years that exceeded the LST under unmitigated conditions are presented in Tables 4.2-2321 and 4.2-2422, which present mitigated on-site emissions for Plant 1 and applicable joint plant projects, and for Plant 2 and applicable joint plant projects, respectively. For all other construction years, on-site emissions would not exceed the applicable LST under unmitigated conditions.

Table 4.2-2321. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	Pounds per day			
2024				
P1-126 Primary Clarifiers Replacements and Improvements	5.36	41.22	0.56	0.18

Table 4.2-2321. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
X-090 Network, Telecommunications, and Service Relocation	0.61	7.85	0.36	0.20
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.14	16.23	0.04	0.04
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.14	16.23	0.04	0.04
J-133 Laboratory Rehabilitation at Plant 1	3.31	9.43	2.75	1.52
<i>Combined Maximum</i>	<i>11.56</i>	<i>90.96</i>	<i>3.75</i>	<i>1.98</i>
2025				
P1-126 Primary Clarifiers Replacements and Improvements	5.28	28.59	0.17	0.17
X-093 Administrative Facilities and Power Building 3A Demolition	1.49	17.72	0.40	0.10
X-077 Switchgear Replacement at Central Generation	0.67	8.11	0.02	0.02
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.14	16.23	0.04	0.04
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.14	16.23	0.04	0.04
J-133 Laboratory Rehabilitation at Plant 1	3.24	11.20	0.91	0.16
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	<i>31.25</i>	<i>125.70</i>	<i>2.34</i>	<i>1.29</i>
2026				
P1-126 Primary Clarifiers Replacements and Improvements	5.28	28.59	0.17	0.17
X-093 Administrative Facilities and Power Building 3A Demolition	1.49	17.72	0.40	0.10
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	3.04	11.92	0.07	0.07
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.14	16.23	0.04	0.04
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.14	16.23	0.04	0.04
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
<i>Combined Maximum</i>	<i>30.38</i>	<i>118.31</i>	<i>1.48</i>	<i>1.18</i>

Table 4.2-2321. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
Maximum				
Maximum Daily On-Site Emissions	31.25	125.70	3.75	1.98
SCAQMD LST	92	647	4	3
Threshold exceeded?	No	No	No	No

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.

See Appendix D for detailed results.

Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.

Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (MM-AQ-1). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOC), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.

^a These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2321, with **MM-AQ-1**, project-generated on-site emissions of from Plant 1 and applicable joint plant projects in 2024, 2025, and 2026 would be below all applicable LSTs, including the LSTs for PM₁₀ and PM_{2.5}.

Table 4.2-2422. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
2022				
P2-126 Substation and Warehouse Replacement at Plant 2	6.08	34.82	2.75	1.52
P2-138 Operations and Maintenance Complex at Plant 2	5.55	54.91	0.30	0.19
<i>Combined Maximum</i>	<i>11.63</i>	<i>89.73</i>	<i>3.05</i>	<i>1.71</i>
2023				
P2-126 Substation and Warehouse Replacement at Plant 2	13.04	74.89	2.85	1.63
<i>Combined Maximum</i>	<i>13.04</i>	<i>74.89</i>	<i>2.85</i>	<i>1.63</i>
2024				
P2-126 Substation and Warehouse Replacement at Plant 2	14.04	86.64	0.36	0.24
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	2.97	25.14	0.07	0.07
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.14	16.23	0.04	0.04
<i>Combined Maximum</i>	<i>18.15</i>	<i>128.01</i>	<i>0.47</i>	<i>0.35</i>

Table 4.2-2422. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO _x	CO	PM ₁₀ ^a	PM _{2.5} ^a
	<i>Pounds per day</i>			
<i>Maximum</i>				
Maximum Daily On-Site Emissions	18.15	128.01	3.05	1.71
SCAQMD LST	92	647	4	3
Threshold exceeded?	No	No	No	No

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.

See Appendix D for detailed results.

Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.

Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (MM-AQ-1). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOC), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.

^a These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2422, with **MM-AQ-1**, project-generated on-site emissions of from Plant 2 and applicable joint plant projects in 2022, 2023, and 2024 would be below all applicable LSTs, including the LSTs for PM₁₀ and PM_{2.5}.

Accordingly, with the implementation of **MM-AQ-1**, the project would result in an LST impact that is less than significant.

Carbon Monoxide Hotspots

Mobile source impacts occur on two scales. Regionally, project-related travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SCAB. Locally, traffic generated by the project would be added to the local roadway system near the project sites. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold-started and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-proposed project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing.

At the time that the SCAQMD Handbook (1993) was published, the SCAB was designated nonattainment under the CAAQS and NAAQS for CO. In 2007, the SCAQMD was designated in attainment for CO under both the CAAQS and NAAQS as a result of the steady decline in CO concentrations in the SCAB due to turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities. The SCAQMD conducted CO modeling for the 2003 AQMP¹² (SCAQMD 2003b) for the four worst-case intersections in the SCAB: (1) Wilshire Boulevard and Veteran Avenue, (2) Sunset Boulevard and Highland Avenue, (3) La Cienega Boulevard and Century Boulevard, and (4) Long Beach Boulevard and Imperial Highway. At the time the 2003 AQMP was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic

¹² SCAQMD's CO hotspot modeling guidance has not changed since 2003.

volume of about 100,000 vehicles per day. Using CO emission factors for 2002, the peak modeled CO 1-hour concentration was estimated to be 4.6 ppm at the intersection of Wilshire Boulevard and Veteran Avenue. When added to the maximum 1-hour CO concentration from 2016 through 2018 at the West Vermont Street monitoring station (see Table 4.2-3, Local Ambient Air Quality Data), which was 3.7 ppm in 2016, the 1-hour CO would be 8.3 ppm, while the CAAQS is 20 ppm.

The 2003 AQMP also projected 8-hour CO concentrations at these four intersections for 1997 and from 2002 through 2005. From years 2002 through 2005, the maximum 8-hour CO concentration was 3.8 ppm at the Sunset Boulevard and Highland Avenue intersection in 2002; the maximum 8-hour CO concentration was 3.4 ppm at the Wilshire Boulevard and Veteran Avenue in 2002. Adding the 3.8 ppm to the maximum 8-hour CO concentration from 2016 through 2018 at the West Vermont Street monitoring station (see Table 4.2-3), which was 2.6 ppm in 2017, the 8-hour CO would be 6.4 ppm, while the CAAQS is 9.0 ppm.

Accordingly, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would be at least over 100,000 vehicles per day. Because the proposed project would not increase daily traffic volumes at any study intersection to more than 100,000 vehicles per day (see Section 4.13, Transportation), a CO hotspot is not anticipated to occur and associated impacts would be less than significant. As such, potential project-generated impacts associated with CO hotspots would be less than significant.

Toxic Air Contaminants (Health Risk Assessment)

Construction

In addition to impacts from criteria pollutants, certain projects may include emissions of pollutants identified by the state and federal government as TACs or hazardous air pollutants. State law has established the framework for California's TAC identification and control project, which is generally more stringent than the federal project, and is aimed at TACs that are a problem in California. The state has formally identified more than 200 substances as TACs, including the federal hazardous air pollutants, and is adopting appropriate control measures for sources of these TACs.

"Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period would contract cancer based on the use of standard OEHHA risk-assessment methodology (OEHHA 2015). In addition, some TACs have noncarcinogenic effects.

Construction

TACs that would potentially be emitted during construction activities would be DPM emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB Airborne Toxic Control Measures to reduce DPM emissions. According to the OEHHA, HRAs should be based on a 30-year exposure duration based on typical residency period; however, such assessments should be limited to the period/duration of activities associated with the project (OEHHA 2015). After proposed construction is completed, there would be no long-term source of TAC emissions during operation.

However, as a precautionary measure, an HRA for Plant 1, Plant 2, and joint plant projects was performed to evaluate the risk from diesel exhaust emissions on existing sensitive receptors from construction activities. As explained previously, collection system projects are not anticipated to require intensive construction activities or occur over a long period of time, and based on the anticipated duration of construction, the intensity of construction, and the location of nearby sensitive receptors, the Plant 1 and Plant 2, plus joint plant projects, represent the maximum condition for the construction HRA. The HRA methodology was described in Section 4.2.3.2, and the detailed assessment is provided in Appendix D. Table 4.2-2523 summarizes the results of the HRA for project construction.

Table 4.2-2523. Project Construction Health Risk – Unmitigated

Receptor	Cancer Risk (persons per million)	Chronic Impact
Maximally Exposed Individual Resident ¹	46.2	0.01
<i>SCAQMD Significance Criteria</i>	10	1.0
Exceed Threshold?	Yes	No

Source: Appendix D.

Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant; AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; HARP2 = Hotspots Analysis and Reporting Program Version 2.

TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure was assumed to begin in the third trimester of pregnancy for a duration of 20 years.

¹ The maximally exposed individual resident for annual cancer and chronic health risk impacts is located west of the Plant 2 site at UTM coordinates 411227.04 meters Easting/3723000.34 meters Northing

As shown in Table 4.2-2523, the incremental cancer risk at the maximally exposed individual resident of 46.2 in 1 million (assuming exposure starts in third trimester of pregnancy) from proposed project construction would exceed the SCAQMD threshold of 10 in 1 million without mitigation. As such, impacts would be potentially significant and **MM-AQ-1** is required.

Regarding the construction HRA, **MM-AQ-1** would also be implemented to reduce project-generated exhaust PM₁₀ (DPM) emissions. The maximally exposed receptor would be the nearest existing residence to the west of the Plant 2 site. Potential health risk at the maximally exposed individual resident resulting from proposed construction activities with incorporation of **MM-AQ-1** is shown in Table 4.2-2624. As previously discussed, this is highly conservative, as the highest year of emissions was applied to the entire exposure duration.

Table 4.2-2624. Project Construction Health Risk – Mitigated

Receptor	Cancer Risk (persons per million)	Chronic Impact
Maximally Exposed Individual Resident ^{1,2}	7.3	0.002
<i>SCAQMD Significance Criteria</i>	10	1.0
Exceed Threshold?	No	No

Source: Appendix D.

Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant.

TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure was assumed to begin in the third trimester of pregnancy for a duration of 20 years.

¹ The maximally exposed individual resident for annual cancer and chronic health risk impacts is located west of the Plant 2 site at UTM coordinates 411227.04 meter Easting / 3723000.34 meters Northing

² Mitigated emissions include implementation of MM-AQ-1.

As shown in Table 4.2-2624, with incorporation of higher-tier engines during construction, as included in MM-AQ-1, the proposed project would result in an incremental cancer risk of 7.3 in 1 million. The mitigated chronic hazard index would be 0.002 at the maximally exposed individual resident, which would be below the SCAQMD threshold of 1.0. Project health risk impacts associated with construction would, thus, be less than significant with mitigation.

Operation

~~Following completion of proposed construction activities, project related TAC emissions would cease. Health impacts associated with TACs are generally associated with long term exposure and there are no meaningful sources of TACs for the operating phase of the project; therefore, there are no anticipated health impacts related to operational TACs. Because no operational TACs are anticipated to occur as a result of operation of the project, impacts would be less than significant. Testing and maintenance of the proposed permanent emergency diesel-fueled generator at the Seal Beach pump station (3-67) would generate DPM emissions, which is a TAC. The HRA methodology was described in Section 4.2.3.2, and the detailed assessment is provided in Appendix D. Table 4.2-27 summarizes the results of the HRA for project operation, which is specific to the Seal Beach pump station. The maximally exposed receptor would be the residence north of the Seal Beach pump station during operation.~~

Table 4.2-27. Project Operational Health Risk – Unmitigated

<u>Receptor</u>	<u>Cancer Risk (persons per million)</u>	<u>Chronic Impact</u>
<u>Maximally Exposed Individual Resident¹</u>	<u>0.07</u>	<u>0.00002</u>
<u>SCAQMD Significance Criteria</u>	<u>10</u>	<u>1.0</u>
Exceed Threshold?	No	No

Source: Appendix D.

Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant; AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; HARP2 = Hotspots Analysis and Reporting Program Version 2.

TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure was assumed to begin in the third trimester of pregnancy for a duration of 30 years.

¹ The maximally exposed individual resident for annual cancer and chronic health risk impacts is located north of the project site at UTM coordinates 400163.06 meters Easting / 3736411.95 meters Northing.

The incremental cancer risk at the maximally exposed individual resident of 0.07 in 1 million and chronic hazard index of 0.00002 would not exceed SCAQMD significance thresholds from project operation. The project health risk impacts associated with operation would, thus, be less than significant without mitigation.

Health Effects of Criteria Air Pollutants

Construction emissions of the proposed project would exceed the SCAQMD threshold for NO_x; for all other criteria air pollutants, including VOC, CO, SO_x, PM₁₀, and PM_{2.5}, construction emissions would not exceed relevant thresholds. The proposed project is not anticipated to result in a net increase in operational emissions.

As discussed in Section 4.2.1 under the heading “Pollutants and Effects,” health effects associated with O₃ include respiratory symptoms, worsening of lung disease leading to premature death, and damage to lung tissue (CARB 2019b). VOCs and NO_x are precursors to O₃, for which the SCAB is designated as nonattainment with respect to the NAAQS and CAAQS. The contribution of VOCs and NO_x to regional ambient

O₃ concentrations is the result of complex photochemistry. The increases in O₃ concentrations in the SCAB due to O₃ precursor emissions tend to be found downwind of the source location because of the time required for the photochemical reactions to occur. Further, the potential for exacerbating excessive O₃ concentrations would also depend on the time of year that the VOC emissions would occur, because exceedances of the O₃ NAAQS and CAAQS tend to occur between April and October when solar radiation is highest. Due to the lack of quantitative methods to assess this complex photochemistry, the holistic effect of a single project's emissions of O₃ precursors is speculative. That being said, because the proposed project would exceed the SCAQMD NO_x threshold during project construction, the project could contribute to health effects associated with O₃.

Health effects associated with NO_x and NO₂ include lung irritation and enhanced allergic responses (see Section 4.2.1.2) (CARB 2019b). Although project-related NO_x emissions would exceed the SCAQMD construction mass daily thresholds, because the SCAB is a designated attainment area for NO₂ (and NO₂ is a constituent of NO_x) and the existing NO₂ concentrations in the area are well below the NAAQS and CAAQS standards,¹³ it is not anticipated that the project would cause an exceedance of the NAAQS and CAAQS for NO₂ or result in potential health effects associated with NO₂ and NO_x. Nonetheless, because the proposed project would exceed the SCAQMD NO_x threshold during project construction, the project could contribute to health effects associated with NO_x and NO₂.

Health effects associated with CO include chest pain in patients with heart disease, headache, light-headedness, and reduced mental alertness (see Section 4.2.1.2) (CARB 2019b). CO tends to be a localized impact associated with congested intersections. The potential for CO hotspots was previously discussed and determined to be less than significant. Thus, the proposed project's CO emissions would not contribute to significant health effects associated with CO.

Health effects associated with PM₁₀ include premature death and hospitalization, primarily for worsening of respiratory disease (see Section 4.2.1.2) (CARB 2019b). Construction of the proposed project would not exceed mass daily thresholds for PM₁₀ or PM_{2.5}, would not contribute to exceedances of the NAAQS and CAAQS for particulate matter, and would not obstruct the SCAB from coming into attainment for these pollutants. Additionally, the project would be required to comply with SCAQMD Rule 403, which limits the amount of fugitive dust generated during construction. Because the proposed project would not exceed the SCAQMD mass daily construction thresholds for PM₁₀ and PM_{2.5}, the project is not anticipated to result in health effects associated with PM₁₀ or PM_{2.5}.

In summary, construction and operation of the proposed project would not result in exceedances of the SCAQMD significance thresholds for VOC, CO, SO_x, PM₁₀, and PM_{2.5}; however, because the project would exceed the SCAQMD construction threshold for NO_x, potential health effects associated with O₃ and NO_x are potentially significant and **MM-AQ-1** is required.

As shown in Table 4.2-~~1917~~, with implementation of **MM-AQ-1** project-generated construction emissions are less than the SCAQMD mass daily thresholds for all pollutants; therefore, impacts would be less than significant with mitigation.

The California Supreme Court's *Sierra Club v. County of Fresno* (2018) 6 Cal. 5th 502 decision (referred to herein as the Friant Ranch decision) (issued on December 24, 2018), addresses the need to correlate mass emission

¹³ See Table 4.2-3, which shows that ambient concentrations of NO₂ at the West Vermont Street monitoring station have not exceeded the NAAQS or CAAQS between 2016 and 2018.

values for criteria air pollutants to specific health consequences, and contains the following direction from the California Supreme Court: “The Environmental Impact Report (EIR) must provide an adequate analysis to inform the public how its bare numbers translate to create potential adverse impacts or it must explain what the agency does know and why, given existing scientific constraints, it cannot translate potential health impacts further.” (Italics original.) (Sierra Club v. County of Fresno 2018.) Currently, SCAQMD, CARB, and EPA have not approved a quantitative method to reliably, meaningfully, and consistently translate the mass emission estimates for the criteria air pollutants resulting from the proposed project to specific health effects. In addition, there are numerous scientific and technological complexities associated with correlating criteria air pollutant emissions from an individual project to specific health effects or potential additional nonattainment days.

In connection with the judicial proceedings culminating in issuance of the Friant Ranch decision, the SCAQMD and the San Joaquin Valley Air Pollution Control District (SJVAPCD) filed amicus briefs attesting to the extreme difficulty of correlating an individual project’s criteria air pollutant emissions to specific health impacts. Both SJVAPCD and SCAQMD have among the most sophisticated air quality modeling and health impact evaluation capabilities of the air districts in California. The key, relevant points from SCAQMD and SJVAPCD briefs is summarized herein.

In requiring a health impact type of analysis for criteria air pollutants, it is important to understand how O₃ and PM is formed, dispersed and regulated. The formation of O₃ and PM in the atmosphere, as secondary pollutants,¹⁴ involves complex chemical and physical interactions of multiple pollutants from natural and anthropogenic sources. The O₃ reaction is self-perpetuating (or catalytic) in the presence of sunlight because NO₂ is photochemically reformed from nitric oxide (NO). In this way, O₃ is controlled by both NO_x and VOC emissions (NRC 2005). The complexity of these interacting cycles of pollutants means that incremental decreases in one emission may not result in proportional decreases in O₃ (NRC 2005). Although these reactions and interactions are well understood, variability in emission source operations and meteorology creates uncertainty in the modeled O₃ concentrations to which downwind populations may be exposed (NRC 2005). Once formed, O₃ can be transported long distances by wind and due to atmospheric transport, contributions of precursors from the surrounding region can also be important (EPA 2008). Because of the complexity of O₃ formation, a specific tonnage amount of VOCs or NO_x emitted in a particular area does not equate to a particular concentration of O₃ in that area (SJVAPCD 2015). PM can be divided into two categories: directly emitted PM and secondary PM. Secondary PM, like O₃, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as SO_x and NO_x (SJVAPCD 2015). Because of the complexity of secondary PM formation, including the potential to be transported long distances by wind, the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area (SJVAPCD 2015). This is especially true for individual projects, like the proposed project, where project-generated criteria air pollutant emissions are not derived from a single "point source," but from construction equipment and mobile sources (passenger cars and trucks) driving to, from and around the FMP project sites.

Another important technical nuance is that health effects from air pollutants are related to the concentration of the air pollutant that an individual is exposed to, not necessarily the individual mass quantity of emissions associated with an individual project. For example, health effects from O₃ are correlated with increases in the ambient level of O₃ in the air a person breathes (SCAQMD 2015). However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient O₃ levels over an entire region (SCAQMD 2015). The lack of link between the tonnage of precursor pollutants and the concentration of O₃ and PM_{2.5} formed is important because it is not necessarily the tonnage of precursor

¹⁴ Air pollutants formed through chemical reactions in the atmosphere are referred to as secondary pollutants.

pollutants that causes human health effects; rather, it is the concentration of resulting O₃ that causes these effects (SJVAPCD 2015). Indeed, the ambient air quality standards, which are statutorily required to be set by EPA at levels that are requisite to protect the public health, are established as concentrations of O₃ and PM_{2.5} and not as tonnages of their precursor pollutants (EPA 2018b). Because the ambient air quality standards are focused on achieving a particular concentration region-wide, the tools and plans for attaining the ambient air quality standards are regional in nature. For CEQA analyses, project-generated emissions are typically estimated in pounds per day or tons per year and compared to mass daily or annual emission thresholds. While CEQA thresholds are established at levels that the air basin can accommodate without affecting the attainment date for the AAQS, even if a project exceeds established CEQA significance thresholds, this does not mean that one can easily determine the concentration of O₃ or PM that will be created at or near the project site on a particular day or month of the year, or what specific health impacts will occur (SJVAPCD 2015).

In regard to regional concentrations and air basin attainment, the San Joaquin Valley Air Pollution Control District (SJVAPCD) emphasized that attempting to identify a change in background pollutant concentrations that can be attributed to a single project, even one as large as the entire Friant Ranch Specific Plan, is a theoretical exercise. The SJVAPCD brief noted that it “would be extremely difficult to model the impact on NAAQS attainment that the emissions from the Friant Ranch project may have” (SJVAPCD 2015). The situation is further complicated by the fact that background concentrations of regional pollutants are not uniform either temporally or geographically throughout an air basin, but are constantly fluctuating based upon meteorology and other environmental factors. SJVAPCD noted that the currently available modeling tools are equipped to model the impact of all emission sources in the San Joaquin Valley Air Basin on attainment (SJVAPCD 2015). The SJVAPCD brief then indicated that, “Running the photochemical grid model used for predicting O₃ attainment with the emissions solely from the Friant Ranch project (which equate to less than one-tenth of one percent of the total NO_x and VOC in the Valley) is not likely to yield valid information given the relative scale involved” (SJVAPCD 2015).

SCAQMD and SJVAPCD have indicated that it is not feasible to quantify project-level health impacts based on existing modeling (SCAQMD 2015; SJVAPCD 2015). Even if a metric could be calculated, it would not be reliable because the models are equipped to model the impact of all emission sources in an air basin on attainment and would likely not yield valid information or a measurable increase in O₃ concentrations sufficient to accurately quantify O₃-related health impacts for an individual project.

Nonetheless, following the Supreme Court’s Friant Ranch decision, some EIRs where estimated criteria air pollutant emissions exceeded applicable air district thresholds have included a quantitative analysis of potential project-generated health effects using a combination of a regional photochemical grid model (PGM)¹⁵ and the EPA Benefits Mapping and Analysis Program (BenMAP or BenMAP–Community Edition [CE])¹⁶. The publicly available health impact assessments (HIAs) typically present results in terms of an

¹⁵ The first step in the publicly available HIAs includes running a regional PGM, such as the Community Multiscale Air Quality (CMAQ) model or the Comprehensive Air Quality Model with extensions (CAMx) to estimate the increase in concentrations of O₃ and PM_{2.5} as a result of project-generated emissions of criteria and precursor pollutants. Air districts, such as the SCAQMD, use photochemical air quality models for regional air quality planning. These photochemical models are large-scale air quality models that simulate the changes of pollutant concentrations in the atmosphere using a set of mathematical equations characterizing the chemical and physical processes in the atmosphere (EPA 2017).

¹⁶ After estimating the increase in concentrations of O₃ and PM_{2.5}, the second step in the five examples includes use of BenMAP or BenMAP-CE to estimate the resulting associated health effects. BenMAP estimates the number of health incidences resulting from changes in air pollution concentrations (EPA 2018c). The health impact function in BenMAP-CE incorporates four key sources of data: (i) modeled or monitored air quality changes, (ii) population, (iii) baseline incidence rates, and (iv) an effect estimate. All of the five example HIAs focused on O₃ and PM_{2.5}.

increase in health incidences and/or the increase in background health incidence for various health outcomes resulting from the project's estimated increase in concentrations of O₃ and PM_{2.5}.¹⁷ To date, the five publicly available HIAs reviewed herein have concluded that the evaluated project's health effects associated with the estimated project-generated increase in concentrations of O₃ and PM_{2.5} represent a small increase in incidences and a very small percent of the number of background incidences, indicating that these health impacts are negligible and potentially within the models' margin of error. It is also important to note that while the results of the five available HIAs conclude that the project emissions do not result in a substantial increase in health incidences, the estimated emissions and assumed toxicity is also conservatively inputted into the HIA and thus, overestimate health incidences, particularly for PM_{2.5}.

As explained in the SJVAPCD brief and noted previously, running the PGM used for predicting O₃ attainment with the emissions solely from an individual project like the Friant Ranch project or the proposed project is not likely to yield valid information given the relative scale involved. The five examples reviewed support the SJVAPCD's brief contention that consistent, reliable, and meaningful results may not be provided by methods applied at this time. Accordingly, additional work in the industry and more importantly, air district participation, is needed to develop a more meaningful analysis to correlate project-level mass criteria air pollutant emissions and health effects for decision makers and the public. Furthermore, at the time of writing, no HIA has concluded that health effects estimated using the PGM and BenMAP approach are substantial provided that the estimated project-generated incidences represent a very small percent of the number of background incidences, potentially within the models' margin of error.

Of importance, with **MM-AQ-1**, project-generated construction emissions are less than the SCAQMD mass daily thresholds for all pollutants and health effects associated with project-generated criteria air pollutant emissions are less than significant with mitigation.

d) *Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?*

Less-than-Significant Impact. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant. No mitigation is required.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The projects addressed in this PEIR do not propose

¹⁷ The following CEQA documents included a quantitative HIA to address Friant Ranch: (1) California State University Dominguez Hills 2018 Campus Master Plan EIR (CSU Dominguez Hills 2019), (2) March Joint Powers Association K4 Warehouse and Cactus Channel Improvements EIR (March JPA 2019), (3) Mineta San Jose Airport Amendment to the Airport Master Plan EIR (City of San Jose 2019), (4) City of Inglewood Basketball and Entertainment Center Project EIR (City of Inglewood 2019), and (5) San Diego State University Mission Valley Campus Master Plan EIR (SDSU 2019).

appreciable changes to regular operations and maintenance activity by Sanitation District personnel. In addition, the proposed project actually includes construction of odor control systems (i.e., X-014 Tricking Filter Solids - Contact Odor Control and 5-68 Newport Beach Pump Station Odor Control Improvements, as well as odor control systems at X-022 15th Street Pump Station Rehabilitation, X-023 Lido Pump Station Rehabilitation, X-024 Rocky Point Pump Station Rehabilitation, X-025 Bitter Point Pump Station Rehabilitation, X-041 A Street Pump Station Rehabilitation, and 5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation). Therefore, proposed project operations would result in an odor impact that is less than significant. No mitigation is required.

4.2.5 Mitigation Measures

To reduce criteria air pollutants potentially resulting from FMP project construction, specifically mass daily NO_x emissions and associated regional air quality impacts and PM₁₀ and associated LST and health risk (cancer risk) impacts, the Sanitation District shall implement **MM-AQ-1**.

MM-AQ-1 Prior to the commencement of construction activities for each project, the Orange County Sanitation District (Sanitation District) shall require its construction contractor to demonstrate that all 50-horsepower or greater diesel-powered equipment is powered with California Air Resources Board (CARB)-certified Tier 4 Final engines.

An exemption from this requirement may be granted if (1) the Sanitation District documents equipment with Tier 4 Final engines are not reasonably available, and (2) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Before an exemption may be granted, the Sanitation District's construction contractor shall: (1) demonstrate that at least two construction fleet owners/operators in Orange County were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within Orange County during the desired construction schedule; and (2) the proposed replacement equipment has been evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emission estimation method and documentation provided to the Sanitation District to confirm that project-generated emissions do not exceed applicable South Coast Air Quality Management District (SCAQMD) mass daily thresholds, the applicable SCAQMD localized significance thresholds, or the SCAQMD carcinogenic (cancer) risk threshold.

4.2.6 Level of Significance After Mitigation

With implementation of **MM-AQ-1**, project-level and program-level impacts to air quality would be reduced to a less-than-significant level.

4.2.7 Cumulative Impacts

Cumulative impacts are discussed in detail under Section 4.2.4(b). Maximum daily emissions of NO_x, would exceed the SCAQMD mass daily construction threshold in 11 of the 20 years of construction. However, with implementation of MM-AQ-1, maximum daily NO_x emissions would be reduced below the SCAQMD mass daily construction threshold in all construction years. Therefore, cumulative construction-related impacts would be less than cumulatively considerable with mitigation incorporated. The proposed project would not result in a net increase in operational criteria air pollutant emissions and therefore, cumulative operational-related impacts would be less than cumulatively considerable.

4.2.8 Impact Summary

Table 4.2-2825 summarizes the impacts for the FMP projects assessed at the project level at Plant 1, Plant 2, joint plant projects, and collection system projects under each threshold analyzed in this PEIR section.

It is important to note that regional criteria air pollutants emissions are a cumulative impact and the total criteria air pollutant emissions generated from implementation of the project should be considered on the whole instead of at an individual project-level for the evaluation of the potential to conflict with the SCAQMD AQMP and the potential to result in cumulatively considerable net increase of nonattainment criteria pollutants as evaluated in Section 4.2.4. Accordingly, the overall impact determination for the potential for the project to conflict with the SCAQMD AQMP and the potential to result in cumulatively considerable net increase of nonattainment criteria pollutants, as evaluated for the entire project, is applied to all project components in Table 4.2-2825. Localized air quality impacts and other emissions, such as odors, can be evaluated at a project-level, as appropriate.

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<i>Would the project conflict with or obstruct implementation of the applicable air quality plan?</i>					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Significant	MM-AQ-1	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Significant	MM-AQ-1	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Significant	MM-AQ-1	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Significant	MM-AQ-1	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Significant	MM-AQ-1	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Significant	MM-AQ-1	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
P2-138	P2-138 Operations and Maintenance Complex at Plant 2	Replace	Significant	MM-AQ-1	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Significant	MM-AQ-1	Less than Significant
J-120	Plantwide Miscellaneous Process Control System Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Significant	MM-AQ-1	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Significant	MM-AQ-1	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
J-121	UPS System Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Significant	MM-AQ-1	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Significant	MM-AQ-1	Less than Significant
X-082	North Trunk Improvement Project	Replace	Significant	MM-AQ-1	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Significant	MM-AQ-1	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Significant	MM-AQ-1	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<i>Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?</i>					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Significant	MM-AQ-1	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Significant	MM-AQ-1	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Significant	MM-AQ-1	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Significant	MM-AQ-1	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Significant	MM-AQ-1	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Significant	MM-AQ-1	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Significant	MM-AQ-1	Less than Significant
P2-138	P2-138 Operations and Maintenance Complex at Plant 2	Replace	Significant	MM-AQ-1	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Significant	MM-AQ-1	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Significant	MM-AQ-1	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Significant	MM-AQ-1	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
J-121	UPS System Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Significant	MM-AQ-1	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Significant	MM-AQ-1	Less than Significant
X-082	North Trunk Improvement Project	Replace	Significant	MM-AQ-1	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Significant	MM-AQ-1	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Significant	MM-AQ-1	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Significant	MM-AQ-1	Less than Significant
Would the project expose sensitive receptors to substantial pollutant concentrations?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Significant	MM-AQ-1	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Significant	MM-AQ-1	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Significant	MM-AQ-1	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Significant	MM-AQ-1	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Significant	MM-AQ-1	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Significant	MM-AQ-1	Less than Significant
P2-138	P2-138 Operations and Maintenance Complex at Plant 2	Replace	Significant	MM-AQ-1	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Significant	MM-AQ-1	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Significant	MM-AQ-1	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Significant	MM-AQ-1	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
J-121	UPS System Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Significant	MM-AQ-1	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Significant	MM-AQ-1	Less than Significant
X-082	North Trunk Improvement Project	Replace	Significant	MM-AQ-1	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Significant	MM-AQ-1	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Significant	MM-AQ-1	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Significant	MM-AQ-1	Less than Significant
Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	—	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	—	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	—	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	—	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	—	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	—	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
P2-138	P2-138 Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control System Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	—	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	—	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	—	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	—	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	—	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	—	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	—	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	—	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	—	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	—	Less than Significant

Note: UPS = uninterruptible power system.

4.2.9 References

- CAPCOA (California Air Pollution Control Officers Association). 2017. *California Emissions Estimator Model (CalEEMod) User's Guide Version 2016.3.2*. Prepared by Trinity Consultants and the California Air Districts. November 2017. <http://www.caleemod.com/>.
- CARB (California Air Resources Board). 2000. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*. October 2000. Accessed May 2020. <http://www.arb.ca.gov/diesel/documents/rrpfinal.pdf>.
- CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005. Accessed May 2020. <http://www.arb.ca.gov/ch/landuse.htm>.
- CARB. 2009. "ARB Fact Sheet: Air Pollution Sources, Effects and Control." Page last reviewed December 2, 2009. Accessed May 2019. <https://www.arb.ca.gov/research/health/fs/fs2/fs2.htm>.
- CARB. 2016. "Ambient Air Quality Standards." May 4, 2016. Accessed May 2019. <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>.
- CARB. 2017. "Inhalable Particulate Matter and Health (PM_{2.5} and PM₁₀)." Accessed May 2020. <https://www.arb.ca.gov/research/aaqs/common-pollutants/pm/pm.htm>.
- CARB. 2019a. "Glossary." Accessed January 2019. <https://ww2.arb.ca.gov/about/glossary>.
- CARB. 2019b. "Ozone & Health." Accessed May 2019. <https://ww2.arb.ca.gov/resources/ozone-and-health>.
- CARB. 2019c. "Nitrogen Dioxide & Health." Accessed May 2019. <https://ww2.arb.ca.gov/resources/nitrogen-dioxide-and-health>.
- CARB. 2019d. "Carbon Monoxide & Health." Accessed May 2019. <https://ww2.arb.ca.gov/resources/carbon-monoxide-and-health>.
- CARB. 2019e. "Sulfur Dioxide & Health." Accessed May 2019. <https://ww2.arb.ca.gov/resources/sulfur-dioxide-and-health>.
- CARB. 2019f. "Overview: Diesel Exhaust and Health." Accessed May 2019. <https://www.arb.ca.gov/research/diesel/diesel-health.htm>.
- CARB. 2019g. "Area Designation Maps/State and National." Last reviewed October 24, 2019. <http://www.arb.ca.gov/desig/adm/adm.htm>.
- CARB. 2020. "Ambient air quality data." [digital CARB data]. iADAM: Air Quality Data Statistics. Accessed February 2020. <http://www.arb.ca.gov/adam/topfour/topfour1.php>.
- Caterpillar. 2019. "LEHE1349-05." October. Accessed November 2020. <https://s7d2.scene7.com/is/content/Caterpillar/CM20180320-15806-02586>.

- CSU Dominguez Hills (California State University Dominguez Hills). 2019. *California State University Dominguez Hills Campus Master Plan EIR*. <https://www.csudh.edu/Assets/csudh-sites/fpcm/docs/campus-master-plan/2019-09-11-FEIR-appendices.pdf>.
- City of Inglewood. 2019. *Inglewood Basketball and Entertainment Center Project EIR*. http://ibecproject.com/D_AirQuality.pdf.
- City of San Jose. 2019. *Mineta San Jose Airport Amendment to the Airport Master Plan EIR*. <https://www.sanjoseca.gov/Home/ShowDocument?id=44596>.
- EPA (U.S. Environmental Protection Agency). 2008. *Final Ozone NAAQS Regulatory Impact Analysis*. March 2008. https://www3.epa.gov/ttnecas1/regdata/RIAs/452_R_08_003.pdf.
- EPA. 2013. *Integrated Science Assessment for Ozone and Related Photochemical Oxidants*. EPA/600/R-10/076F. February 2013. Accessed May 2019. <https://cfpub.epa.gov/ncea/isa/recordisplay.cfm?deid=247492>.
- EPA. 2017. Support Center for Regulatory Atmospheric Modeling (SCRAM) - Photochemical Air Quality Modeling. <https://www.epa.gov/scram/photochemical-air-quality-modeling>
- EPA. 2018a. “Criteria Air Pollutants.” March 8, 2018. Accessed May 2019. <https://www.epa.gov/criteria-air-pollutants>.
- EPA. 2018b. Table of Ozone National Ambient Air Quality Standards, <https://www.epa.gov/ground-level-ozone-pollution/table-historical-ozone-national-ambient-air-quality-standards-naaqs>.
- EPA. 2018c. Environmental Benefits Mapping and Analysis Program – Community Edition User’s Manual. July 2018. https://www.epa.gov/sites/production/files/2015-04/documents/benmap-ce_user_manual_march_2015.pdf
- EPA. 2020a. “Region 9: Air Quality Analysis, Air Quality Maps.” Last updated January 7, 2020. <http://www.epa.gov/region9/air/maps/>.
- EPA. 2020b. “AirData: Access to Air Pollution Data.” Accessed February 2020. <https://www.epa.gov/outdoor-air-quality-data/monitor-values-report>.
- EPA. 2020c. [Engine Certification for Caterpillar Engine LCPXL32.ONZS](https://www.epa.gov/compliance-and-fuel-economy-data/annual-certification-data-vehicles-engines-and-equipment). <https://www.epa.gov/compliance-and-fuel-economy-data/annual-certification-data-vehicles-engines-and-equipment>.
- March JPA (March Joint Powers Association). 2019. K4 Warehouse and Cactus Channel Improvements EIR. https://www.marchjpa.com/documents/docs_forms/K-4_Final_Draft_EIR.pdf
- NRC (National Research Council). 2005. *Interim Report of the Committee on Changes in New Source Review Programs for Stationary Sources of Air Pollutants*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/11208>.
- OEHHA (California Office of Environmental Health Hazard Assessment). 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments. February 2015. <https://oehha.ca.gov/air/crn/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0>.

- SCAG (Southern California Association of Governments). 2008. *2008 Regional Comprehensive Plan: Helping Communities Achieve a Sustainable Future*. Accessed March 2020. <http://www.scag.ca.gov/NewsAndMedia/Pages/RegionalComprehensivePlan.aspx>.
- SCAG. 2016. "Appendix: Demographics and Growth Forecast." In *2016–2040 Regional Transportation Plan/Sustainable Communities Strategy*. Final. Adopted April 2016. <http://scagrtpscscs.net/Pages/FINAL2016RTPSCS.aspx>.
- SCAG. 2020. *Connect SoCal: The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association Of Governments*. May 7, 2020. <https://www.connectsocial.org/Pages/Connect-SoCal-Final-Plan.aspx>.
- SCAQMD (South Coast Air Quality Management District). 1993. *CEQA Air Quality Handbook*.
- SCAQMD. 2003a. "White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution". August 2003. <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf>.
- SCAQMD. 2003b. Final 2003 AQMP Appendix V Modeling and Attainment Demonstrations. August 2003. <https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2003-air-quality-management-plan/2003-aqmp-appendix-v.pdf?sfvrsn=2>.
- SCAQMD. 2008. *Final Localized Significance Threshold Methodology*. Revised July 2008. <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf>.
- SCAQMD. 2009. *Final Localized Significance Threshold Methodology*. October 21, 2009. <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2>.
- SCAQMD. 2013. *Final 2012 Air Quality Management Plan*. February 2013. Accessed March 2020. <https://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan>.
- SCAQMD. 2015. Brief of Amicus Curiae in Support of Neither Party, *Sierra Club v. County of Fresno*, Case No. S219783 (filed Apr. 13, 2015). <https://www.courts.ca.gov/documents/9-s219783-ac-south-coast-air-quality-mgt-dist-041315.pdf>.
- SCAQMD. 2017. *Final 2016 Air Quality Management Plan*. March 2017. Accessed March 2020. <http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf>.
- SCAQMD. 2019. "SCAQMD Air Quality Significance Thresholds." Originally published in CEQA Air Quality Handbook, Table A9-11-A. Revised April 2019. <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2>.
- SCAQMD. 2020. Modeling Guidance for AERMOD. Accessed April 2020. <https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>.

- SDSU (San Diego State University). 2019. *San Diego State University Mission Valley Campus Master Plan EIR Additional Information Regarding Potential Health Effects of Air Quality Impacts*. December 2019. https://missionvalley.sdsu.edu/assets/pdfs/FEIR/appendices/4_2_3_SDSU_MV_Health_Effects_Memo.pdf.
- SJVAPCD (San Joaquin Valley Air Pollution Control District). 2015. Brief of Amicus Curiae in Support of Defendant And Respondent, County Of Fresno, And Real Party In Interest And Respondent, Friant Ranch, L.P., Sierra Club v. County of Fresno, Case No. S219783 (filed Apr. 13, 2015). <https://www.courts.ca.gov/documents/7-s219783-ac-san-joaquin-valley-unified-air-pollution-control-dist-041315.pdf>.
- SMAQMD (Sacramento Metropolitan Air Quality Management District). 2013. Sacramento Metropolitan Air Quality Management District CEQA Guide. July. Accessed October 2019. <http://www.airquality.org/LandUseTransportation/Documents/Ch3PMDispersionModelingGuidanceFINAL7-2013.pdf>.
- WRCC (Western Regional Climate Center). 2018. Anaheim, California (040192), Monthly Climate Summary. Accessed February 2020. <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca0192>.

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4.5 Energy

This section describes the existing setting related to energy, identifies associated regulatory requirements, evaluates potential energy impacts, and identifies mitigation measures, if required, related to implementation of the proposed Facilities Master Plan (FMP).

4.5.1 Existing Conditions

4.5.1.1 Electricity

According to the U.S. Energy Information Administration, California used approximately 255,224 gigawatt hours of electricity in 2018 (EIA 2020a). Electricity usage in California for different land uses varies substantially by the types of uses in a building, type of construction materials used in a building, and the efficiency of all electricity-consuming devices within a building. Due to the state's energy efficiency building standards and efficiency and conservation programs, California's electricity use per capita in the residential sector is lower than any other state except Hawaii (EIA 2020b).

Southern California Edison (SCE) provides electricity to Reclamation Plant No. 1 (Plant 1) and Treatment Plant No. 2 (Plant 2) and the majority of Orange County. SCE, a subsidiary of Edison International, serves approximately 180 cities in 11 counties across central and Southern California. SCE administers various energy efficiency and conservation programs that may be available to residents, businesses, and other organizations in Orange County. According to the California Public Utilities Commission (CPUC), approximately 84 billion kilowatt-hours (kWh) of electricity were used in SCE's service area in 2017. Demand forecasts anticipate that approximately 75 billion kWh of electricity will be used in SCE's service area in 2020 (CPUC 2018).

The California Renewables Portfolio Standard (RPS) Program establishes a goal for California to increase the amount of electricity generated from renewable energy resources to 20% by 2010 and to 33% by 2020. Recent legislation revised the current RPS target for California to obtain 50% of total retail electricity sales from renewable sources by 2030, with interim targets of 40% by 2024, and 45% by 2027 (CPUC 2016). SCE receives electric power from a variety of sources. According to SCE's power content label for 2018, 36% of SCE's power came from eligible renewable energy sources in 2017, including biomass/waste, geothermal, small hydroelectric, solar, and wind sources (SCE 2019).

Within Orange County, annual nonresidential electricity use is approximately 13 billion kWh per year, while residential electricity use is approximately 7 billion kWh per year, as reported by the state's Energy Consumption Data Management System for 2018 (CEC 2020a).

4.5.1.2 Natural Gas

According to the U.S. Energy Information Administration, California used approximately 2,136,907 million cubic feet of natural gas in 2018 (EIA 2020c). The majority of California's natural gas customers are residential and small commercial customers (core customers). These customers account for approximately 35% of the natural gas delivered by California utilities (CPUC 2020). Large consumers, such as electric generators and industrial customers (noncore customers), account for approximately 65% of the natural gas delivered by California utilities (CPUC 2020). CPUC regulates California natural gas rates and natural gas services, including in-state transportation over transmission and distribution pipeline systems, storage, procurement, metering, and billing. Most of the natural gas

used in California comes from out-of-state natural gas basins. Biogas (e.g. from wastewater treatment facilities or dairy farms) is just beginning to be delivered into the gas utility pipeline systems, and the state has been encouraging its development (CPUC 2020).

The Southern California Gas Company (SoCalGas) provides Plant 1 and Plant 2 and the greater Orange County area with natural gas service. SoCalGas’s service territory encompasses approximately 20,000 square miles and more than 500 communities. In the California Energy Demand mid-energy demand scenario, natural gas demand is projected to have an annual growth rate of 0.03% in SoCalGas’s service territory. As of 2017, approximately 7,206 million therms¹ were used in SoCalGas’s service area per year. By 2020, natural gas demand is anticipated to be approximately 7,876 million therms per year in SoCalGas’s service area (CEC 2017). The total capacity of natural gas available to SoCalGas in 2020 is estimated to be 3.8 billion cubic feet per day. In 2024, the total capacity available is also estimated to be 3.8 billion cubic feet per day² (California Gas and Electric Utilities 2018). This amount is approximately equivalent to 3.88 billion thousand British thermal units (kBTU) per day or 38.8 million therms per day.

Within Orange County, annual non-residential natural gas use is approximately 236 million therms per year, while residential natural gas use is approximately 339 million therms per year, as reported by the state’s Energy Consumption Data Management System for 2018 (CEC 2020b).

4.5.1.3 Petroleum

According to the U.S. Energy Information Administration, California used approximately 681 million barrels of petroleum in 2018, with the majority (584 million barrels) used for the transportation sector (EIA 2020d). This total annual consumption equates to a daily use of approximately 1.9 million barrels of petroleum. There are 42 U.S. gallons in a barrel, so California consumes approximately 78.4 million gallons of petroleum per day, adding up to an annual consumption of 29 billion gallons of petroleum. In California, petroleum fuels refined from crude oil are the dominant source of energy for transportation sources. Petroleum usage in California includes petroleum products such as motor gasoline, distillate fuel, liquefied petroleum gases, and jet fuel. California has implemented policies to improve vehicle efficiency and to support use of alternative transportation, which are described in Section 4.5.2.

4.5.2 Relevant Plans, Policies, and Ordinances

Federal

Federal Energy Policy and Conservation Act

In 1975, Congress enacted the Federal Energy Policy and Conservation Act, which established the first fuel economy standards for on-road motor vehicles in the United States. Pursuant to the act, the National Highway Traffic Safety Administration is responsible for establishing additional vehicle standards. In 2012, new fuel economy standards for passenger cars and light trucks were approved for model years 2017 through 2021 (77 FR 62624–63200). Fuel economy is determined based on each manufacturer’s average fuel economy for the fleet of vehicles available for sale in the United States.

¹ One Therm is equal to 100,000 BTU or 100 kBTU.

² One cubic foot of natural gas has approximately 1,020 BTUs of natural gas or 1.02 kBTUs of natural gas.

Intermodal Surface Transportation Efficiency Act of 1991

The Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 promoted the development of intermodal transportation systems to maximize mobility and address national and local interests in air quality and energy. The ISTEA contained factors for metropolitan planning organizations to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, metropolitan planning organizations adopted policies defining the social, economic, energy, and environmental values guiding transportation decisions.

Transportation Equity Act for the 21st Century

The Transportation Equity Act for the 21st Century was signed into law in 1998 and builds on the initiatives established in the ISTEA legislation (previously discussed). The act authorizes highway, highway safety, transit, and other efficient surface transportation programs. The act continues the program structure established for highways and transit under the ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of transportation decisions. The act also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of intelligent transportation systems to help improve operations and management of transportation systems and vehicle safety.

Energy Independence and Security Act of 2007

On December 19, 2007, the Energy Independence and Security Act of 2007 (EISA) was signed into law. In addition to setting increased Corporate Average Fuel Economy standards for motor vehicles, the EISA includes the following other provisions related to energy efficiency:

- Renewable Fuel Standard (RFS) (Section 202)
- Appliance and Lighting Efficiency Standards (Sections 301–325)
- Building Energy Efficiency (Sections 411–441)

This federal legislation requires ever-increasing levels of renewable fuels (the RFS) to replace petroleum (EPA 2017). The U.S. Environmental Protection Agency (EPA) is responsible for developing and implementing regulations to ensure that transportation fuel sold in the United States contains a minimum volume of renewable fuel. The RFS program regulations were developed in collaboration with refiners, renewable fuel producers, and many other stakeholders.

The RFS program was created under the Energy Policy Act of 2005 and established the first renewable fuel volume mandate in the United States. As required under the act, the original RFS program (RFS1) required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. Under the EISA, the RFS program was expanded in several key ways that lay the foundation for achieving significant reductions in greenhouse gas (GHG) emissions from the use of renewable fuels, reducing imported petroleum, and encouraging the development and expansion of the renewable fuels sector in the United States. The updated program is referred to as RFS2 and includes the following:

- EISA expanded the RFS program to include diesel, in addition to gasoline.
- EISA increased the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022.

- EISA established new categories of renewable fuel and set separate volume requirements for each one.
- EISA required the EPA to apply lifecycle GHG performance threshold standards to ensure that each category of renewable fuel emits fewer GHGs than the petroleum fuel it replaces.

Additional provisions of the EISA address energy savings in government and public institutions, research for alternative energy, additional research in carbon capture, international energy programs, and the creation of “green” jobs.

State

Warren-Alquist Act

The California legislature passed the Warren-Alquist Act in 1974. The Warren-Alquist Act created the California Energy Commission (CEC). The legislation also incorporated the following three key provisions designed to address the demand side of the energy equation:

- It directed the CEC to formulate and adopt the nation’s first energy conservation standards for buildings constructed and appliances sold in California.
- The act removed the responsibility of electricity demand forecasting from the utilities, which had a financial interest in high-demand projections, and transferred it to a more impartial CEC.
- The CEC was directed to embark on an ambitious research and development program, with a particular focus on fostering what were characterized as non-conventional energy sources.

State of California Energy Action Plan

The CEC and CPUC approved the first State of California Energy Action Plan in 2003. The plan established shared goals and specific actions to ensure that adequate, reliable, and reasonably priced electrical power and natural gas supplies are provided, and identified policies, strategies, and actions that are cost-effective and environmentally sound for California’s consumers and taxpayers. In 2005, a second Energy Action Plan was adopted by the CEC and CPUC to reflect various policy changes and actions of the prior 2 years.

At the beginning of 2008, the CEC and CPUC determined that it was not necessary or productive to prepare a new energy action plan. This determination was based, in part, on a finding that the state’s energy policies have been significantly influenced by the passage of Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006 (discussed below). Rather than produce a new energy action plan, the CEC and CPUC prepared an update that examines the state’s ongoing actions in the context of global climate change.

Senate Bills 1078 (2002), 107 (2006), X1-2 (2011), 350 (2015) and 100 (2018)

Senate Bill (SB) 1078 established the California RPS Program and required that a retail seller of electricity purchase a specified minimum percentage of electricity generated by eligible renewable energy resources as defined in any given year, culminating in a 20% standard by December 31, 2017. These retail sellers include electrical corporations, community choice aggregators, and electric service providers. The bill relatedly required the CEC to certify eligible renewable energy resources, to design and implement an accounting system to verify compliance with the RPS by retail sellers, and to allocate and award supplemental energy payments to cover above-market costs of renewable energy.

SB 107 (2006) accelerated the RPS established by SB 1078 by requiring that 20% of electricity retail sales be served by renewable energy resources by 2010 (not 2017). Additionally, SB X1-2 (2011) required all California utilities to generate 33% of their electricity from eligible renewable energy resources by 2020. Specifically, SB X1-2 sets a three-stage compliance period: by December 31, 2013, 20% of electricity had to come from renewables; by December 31, 2016, 25% of electricity had to come from renewables; and by December 31, 2020, 33% will be required to come from renewables.

SB 350 (2015) expanded the RPS by requiring retail seller and publicly owned utilities to procure 50% of their electricity from eligible renewable energy resources by 2030, with interim goals of 40% by 2024 and 45% by 2027.

SB 100 (2018) accelerated and expanded the standards set forth in SB 350 by establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024; 52% by December 31, 2027; and 60% by December 31, 2030 be secured from qualifying renewable energy sources. SB 100 also states that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of electricity to California. This bill requires that the achievement of 100% zero-carbon electricity does not increase carbon emissions elsewhere in the western grid. Additionally, 100% zero-carbon electricity cannot be achieved through resource shuffling.

Consequently, utility energy generation from nonrenewable resources is expected to be reduced based on implementation of the RPS requirements described above. The proposed FMP's reliance on nonrenewable energy sources would be reduced accordingly.

Assembly Bill 1007 (2005)

Assembly Bill (AB) 1007 (2005) required the CEC to prepare a statewide plan to increase the use of alternative fuels in California (State Alternative Fuels Plan). The CEC prepared the plan in partnership with the California Air Resources Board (CARB) and in consultation with other state agencies, plus federal and local agencies. The State Alternative Fuels Plan assessed various alternative fuels and developed fuel portfolios to meet California's goals to reduce petroleum consumption, increase alternative fuels use, reduce GHG emissions, and increase in-state production of biofuels without causing a significant degradation of public health and environmental quality.

Assembly Bill 32 (2006) and Senate Bill 32 (2016)

In 2006, the state legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires California to reduce its GHG emissions to 1990 levels by 2020. In 2016, the Legislature enacted SB 32, which extended the horizon year of the state's codified GHG reduction planning targets from 2020 to 2030, requiring California to reduce its GHG emissions to 40% below 1990 levels by 2030. In accordance with AB 32 and SB 32, CARB prepares scoping plans to guide the development of statewide policies and regulations for the reduction of GHG emissions. Many of the policy and regulatory concepts identified in the scoping plans focused on increasing energy efficiencies, using renewable resources, and reducing the consumption of petroleum-based fuels (such as gasoline and diesel). As such, the state's GHG emissions reduction planning framework creates co-benefits for energy-related resources.

California Building Standards

Part 6 of Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Part 6 establishes energy efficiency standards for residential and nonresidential buildings constructed in California to reduce energy demand and consumption. Part 6 is updated periodically to incorporate and consider new energy efficiency technologies and methodologies. The current Title 24 standards

are the 2019 Title 24 Building Energy Efficiency Standards, which became effective January 1, 2020. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy (due to energy efficiency measures) than those built to the 2016 standards; if rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018a). Nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018a).

Title 24 also includes Part 11, California’s Green Building Standards (CALGreen). CALGreen establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The 2019 CALGreen standards are the current applicable standards. For nonresidential projects, some of the key mandatory CALGreen 2019 standards involve requirements related to bicycle parking, designated parking for clean air vehicles, electric vehicle (EV) charging stations, shade trees, water conserving plumbing fixtures and fittings, outdoor potable water use in landscaped areas, recycled water supply systems, construction waste management, excavated soil and land clearing debris, and commissioning (24 CCR Part 11).

Integrated Energy Policy Report

The CEC is responsible for preparing integrated energy policy reports that identify emerging trends related to energy supply, demand, and conservation; public health and safety; and maintenance of a healthy economy. The CEC’s 2018 Integrated Energy Policy Report discusses the state’s policy goals of decarbonizing buildings, doubling energy efficiency savings, and increasing flexibility in the electricity grid system to integrate more renewable energy (CEC 2018b). Specifically for the decarbonizing of building energy, the goal would be achieved by designing future commercial and residential buildings to have their energy sourced almost entirely from electricity in place of natural gas. Regarding the increase in renewable energy flexibility, the goal would be achieved through increases in energy storage capacity within the state, increases in energy efficiency, and adjusting energy use to the time of day when the most amount of renewable energy is being generated. Over time these policies and trends would serve to reduce the FMP’s GHG emissions profile and energy consumption as they are implemented.

State Vehicle Standards

In response to the transportation sector accounting for more than half of California’s carbon dioxide (CO₂) emissions, AB 1493 was enacted in 2002. AB 1493 required CARB to set GHG emissions standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles whose primary use is noncommercial personal transportation in the state. The bill required that CARB set GHG emissions standards for motor vehicles manufactured in 2009 and all subsequent model years. The 2009–2012 standards resulted in a reduction in approximately 22% of GHG emissions compared to emissions from the 2002 fleet, and the 2013–2016 standards resulted in a reduction of approximately 30% compared to the 2002 fleet.

In 2012, CARB approved a new emissions-control program for model years 2017 through 2025. The program combines the control of smog, soot, and global-warming gases with requirements for greater numbers of zero-emissions vehicles into a single package of standards called Advanced Clean Cars. By 2025, when the rules would be fully implemented, new automobiles would emit 40% fewer global-warming gases and 75% fewer smog-forming emissions (CARB 2020a). However, the EPA and National Highway Traffic Safety Administration published the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule, which revokes California’s authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. Since California and 22 other states, as well as the District of Columbia and four cities, filed suit against the EPA and a petition for

reconsideration of the rule, the effect of the SAFE Rule on the Advanced Clean Cars program is still to be determined pending the ruling of ongoing litigation.

Although the focus of the state’s vehicle standards is on the reduction of air pollutants and GHG emissions, one co-benefit of implementation of these standards is a reduced demand for petroleum-based fuels.

Sustainable Communities Strategy

The Sustainable Communities and Climate Protection Act of 2008, or SB 375, coordinates land use planning, regional transportation plans, and funding priorities to help California meet its GHG emissions reduction mandates established in AB 32. As codified in California Government Code Section 65080, SB 375 requires metropolitan planning organizations to include a sustainable communities strategy in their regional transportation plan. The main focus of the sustainable communities strategy is to plan for growth in a fashion that will ultimately reduce GHG emissions, but the strategy is also part of a bigger effort to address other development issues, including transit and vehicle miles traveled, which influence the consumption of petroleum-based fuels.

Local

As described in Section 4.7 (Greenhouse Gas Emissions), the Cities of Fullerton, Huntington Beach, La Habra, and Santa Ana, where components of the FMP are located, have adopted GHG emission reduction plans, such as a Climate Action Plan (CAP), which include energy consumption reduction measures.³ See Section 4.7 for summaries of these local plans.

4.5.3 Thresholds of Significance

4.5.3.1 Significance Criteria

The significance criteria used to evaluate the proposed FMP’s impacts to energy are based on Appendix G of the CEQA Guidelines. According to Appendix G, a significant impact related to energy would occur if the project would:

1. Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.
2. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

4.5.3.2 Approach and Methodology

Construction

Electricity

The amount of electricity used during FMP project construction would be minimal because typical demand would stem from electrically powered hand tools. Temporary electric power typically used for as-needed lighting

³ The City of Irvine (where projects 7-65 and 7-66 are partially located) is in the process of developing a CAP; however, no draft is available at the time of writing. The City of Anaheim adopted a municipal Greenhouse Gas Reduction Plan: Sustainable Electric & Water Initiatives in July 2015; however, it only applies to the Anaheim Public Utilities Department and therefore is not applicable to the FMP. The Cities of Aliso Viejo, Laguna Beach, Laguna Woods, Mission Viejo, and San Clemente in Orange County have also adopted GHG emission reduction plans; however, the FMP would not include components located within those cities.

and electronic equipment (such as computers inside temporary construction trailers and heating, ventilation, and air conditioning), and potentially on-site water supply, during construction is anticipated to be minimal for the FMP projects. The majority of the energy used during construction would be from petroleum.⁴ As such, construction electricity demand is qualitatively addressed.

Natural Gas

Natural gas is not anticipated to be required during construction of the FMP projects. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed under the subsection Petroleum, below. Any minor amounts of natural gas that may be consumed as a result of project construction would be temporary and negligible⁵; therefore, construction natural gas demand is qualitatively addressed.

Petroleum

Potential impacts were assessed for off-road equipment and on-road vehicle trips during construction, as provided by the California Emissions Estimator Model (CalEEMod) outputs (Appendix D). Fuel consumption from construction equipment and vehicle trips is estimated by converting the total CO₂ emissions anticipated to be generated by construction of each project to gallons using conversion factors for CO₂ to gallons of gasoline or diesel. The conversion factor for gasoline is 8.78 kilograms per metric ton (MT) CO₂ per gallon, and the conversion factor for diesel is 10.21 kilograms per MT CO₂ per gallon (The Climate Registry ~~2018~~2020). Heavy-duty construction equipment associated with construction activities, vendor trucks, and haul trucks are assumed to use diesel fuel. Worker vehicles are assumed to be gasoline fueled. All details for construction criteria air pollutant emissions modeling discussed in Section 4.2, Air Quality, specifically Section 4.2.3.2, Approach and Methodology (Construction), are also applicable for the estimation of construction-related energy consumption. As such, see Section 4.2.3.2 for a discussion of construction emissions calculation methodology and assumptions used in the energy analysis.

Operation

The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the projects addressed in this program environmental impact report (PEIR) do not propose appreciable changes to regular operations and maintenance activity by Orange County Sanitation District (Sanitation District) personnel. Therefore, potential operational energy consumption is qualitatively evaluated except for a permanent emergency generator at the Seal Beach pump station, which is quantitatively addressed. There is an existing temporary emergency diesel-fueled generator at the Seal Beach pump station (3-67), which will be replaced with the permanent diesel-fueled emergency generator. Maintenance and testing of the emergency generator would consume diesel fuel, which was estimated by converting the total CO₂ emissions anticipated to be generated by generator testing to gallons using a conversion factor for diesel of 10.21 kilograms per MT CO₂ per gallon (The Climate Registry 2020). For emission and fuel consumption calculation purposes, it was assumed that the new emergency generator would operate up to 50 hours per year for maintenance and testing consistent with CARB's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (17 CCR § 93115) and anticipated permit conditions (SCAQMD Rule 1470 requirements). However, the 50 hours per year assumption is conservative because based on existing practice, the pump station emergency generators are typically tested for approximately 6 hours per year reflecting a maximum of 1/2 hour per day of testing and testing occurring once a month.

⁴ The construction energy analysis is based on CalEEMod default values, which assume that all off-road construction equipment is diesel, and no electricity demand is assumed during construction.

⁵ The construction energy analysis is based on CalEEMod default values, which assume that all off-road construction equipment is diesel, and no natural gas demand is assumed during construction.

4.5.4 Impacts Analysis

1. *Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?*

Less-than-Significant Impact. Project energy consumption, including use of electricity, natural gas, and petroleum during construction and operation are assessed below.

Construction

Electricity. Temporary electric power for as-necessary lighting and electronic equipment and to convey water for fugitive dust control (if provided using an on-site water source versus a water truck) would be provided by SCE. The amount of electricity used during construction would be minimal because typical demand would stem from electrically powered hand tools. The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed and would cease upon completion of construction. When not in use, electric equipment would be powered off so as to avoid unnecessary energy consumption. The electricity used for construction activities would be temporary and minimal; it would be within the supply and infrastructure service capabilities of SCE; and it would not require additional local or regional capacity. While electricity demand during construction is anticipated to be minimal, the FMP’s peak energy consumptions are anticipated to be sufficiently served by existing supply from SCE. The electricity used for construction activities would be temporary and minimal; therefore, FMP project construction would not result in wasteful, inefficient, or unnecessary consumption of electricity.

Natural Gas. Natural gas is not anticipated to be required during construction of the FMP projects. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed under the subsection “Petroleum.” Peak energy demand specifically applies to electricity; because natural gas (and petroleum) are liquid, these energy resources do not have the same constraints as electricity supply. Nonetheless, any use of natural gas is anticipated to be sufficiently served by existing supply from SoCalGas and would not require additional local or regional capacity. Any minor amounts of natural gas that may be consumed⁶ as a result of project construction would be temporary and negligible and would not have an adverse effect; therefore, FMP project construction would not result in wasteful, inefficient, or unnecessary consumption of natural gas.

Petroleum. Heavy-duty equipment associated with construction would rely on diesel fuel, as would vendor trucks involved in delivery of materials to the FMP project sites, and haul trucks exporting demolition material or other materials off site. Construction workers would travel to and from the FMP project sites throughout the duration of construction. It is assumed in this analysis that construction workers would travel in gasoline-powered light-duty vehicles. Appendix D lists the assumed equipment usage and vehicle trips for construction of each project.

Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO₂) emissions from each construction phase to gallons using the conversion factors for CO₂ to gallons of gasoline or diesel. Construction is estimated to occur intermittently from 2021 to 2040 based on the construction phasing schedule. The conversion factor for gasoline is 8.78 kilograms per MT CO₂ per gallon, and the conversion factor for diesel is 10.21 kilograms per MT CO₂ per gallon (The Climate Registry ~~2018~~2020).

⁶ While no natural gas is anticipated to be used during construction as construction equipment is typically diesel-fueled, the possibility of natural gas use is acknowledged in the event a natural gas-fueled piece of equipment is used or a natural gas-fueled hot water boiler is used for pipe relining. However, as noted previously, all equipment was assumed to be diesel-fueled in CalEEMod.

The estimated diesel fuel usage from construction equipment, haul trucks, and vendor trucks, as well as estimated gasoline fuel usage from worker vehicles, is shown in Tables 4.5-1, 4.5-2, 4.5-3, 4.5-4, and 4.5-5 for Plant 1, Plant 2, joint plant, collection system, and the entire FMP, respectively.

Table 4.5-1 presents estimated petroleum demand generated during construction of Plant 1 projects.

Table 4.5-1. Plant 1 Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
P1-126 Primary Clarifiers Replacements and Improvements	161,424	1,957	2,524	11,029
X-093 Administrative Facilities and Power Building 3A Demolition	14,575	823	256	930
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	15,440	0	479	1,423
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	78,176	89	1,864	5,838
P1-135 Digester Ferric Piping Replacement	10,412	1,340	306	790
X-077 Switchgear Replacement at Central Generation	849	14	11	45
X-017 Primary Clarifiers 6-37	61,652	14	1,707	4,203
X-038 City Water Pump Station Rehabilitation	5,664	13	141	373
P1-127 Central Generation Rehabilitation	37,400	13	332	1,869
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	69,440	13	1,034	3,341
X-015 Trickling Filters Rehabilitation	69,160	240	797	3,274
X-006 Waste Side-Stream Pump Station 1 Upgrade	16,144	7	140	822
X-079 Primary Scrubber Rehabilitation	31,220	240	425	1,579
X-039 Plant Water Pump Station Rehabilitation	3,384	13	93	241
X-018 Activated Sludge (AS) 2 Rehabilitation	55,306	13	844	4,175
X-043 DAFT Demolition	17,366	1,975	65	639
X-090 Network, Telecommunications, and Service Relocation at Plant 1	5,074	0	241	669
Total	652,686	6,764	11,259	41,240

Notes: RAS = return activated sludge; DAFT = dissolved air flotation thickeners.

Table 4.5-2 presents estimated petroleum demand generated during construction of Plant 2 projects.

Table 4.5-2. Plant 2 Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
P2-126 Substation and Warehouse Replacement at Plant 2	306,030	944	7,070	20,988
X-050 Activated Sludge (AS) Aeration Basin	61,357	308	872	4,255
X-032 Truck Loading Facility Rehabilitation	22,455	14	433	1,553
X-054 Waste Side-Stream Pump Station C Rehabilitation	12,926	14	191	959
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	13,279	103	336	1,063
P2-138 Operations and Maintenance Complex at Plant 2	108,408	1,259	1,534	6,007
X-007 Waste Side-Stream Pump Station 2A Upgrade	29,805	270	431	1,672
P2-119 Central Generation Rehabilitation	52,481	88	660	2,732
X-036 City Water Pump Station Rehabilitation	6,008	34	185	382
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition	4,775	201	67	150
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	27,560	13	656	1,648
X-030 Headworks Rehabilitation	57,451	13	1,265	2,930
X-031 Trickling Filter Solids-Contact Rehabilitation	198,821	7	2,012	9,424
X-014 Trickling Filter Solids-Contact Odor Control	33,124	0	1,418	1,477
Total	934,480	3,268	17,130	55,240

Notes: RAS = return activated sludge; PEPS = Primary Effluent Pump Station.

Table 4.5-3 presents estimated petroleum demand generated during construction of joint plant projects.

Table 4.5-3. Joint Plant Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements	1,475	0	61	66
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1,474	0	59	58
J-133 Laboratory Rehabilitation or Replacement at Plant 1	130	7	14	10
X-057 Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement, X-058 Plantwide Miscellaneous Yard Piping Replacement, X-059 Plantwide Miscellaneous Tunnels Rehabilitation	3,496	1	73	170
J-121 UPS System Upgrades	234	0	19	12
X-044 Steve Anderson Lift Station Rehabilitation	179	0	7	10
Total	6,988	8	233	326

Note: UPS = uninterruptible power system.

Table 4.5-4 presents estimated petroleum demand generated during construction of collection system projects.

Table 4.5-4. Collection System Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
5-68 Newport Beach Pump Station Odor Control Improvements	31,960	0	552	2,667
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	49,153	0	1,375	2,222
X-082 North Trunk Improvement Project	16,537	573	606	1,406
X-060 Newhope Placentia Chemical Dosing Station	10,844	28	295	902
11-33 Edinger Pumping Station Replacement	51,303	41	770	3,207
X-063 South Santa Ana River Interceptor Connector Rehabilitation	12,323	217	557	816
2-73 Yorba Linda Pump Station Abandonment	23,810	154	460	1,282

Table 4.5-4. Collection System Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
3-67 Seal Beach Pump Station Replacement	16,911	74	301	996
2-49 Taft Branch Sewer Improvements	22,775	942	969	1,609
X-083 Greenville–Sullivan Sewer Relief Project	37,723	1,861	1,569	2,976
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	13,964	0	407	742
7-65 Gisler–Red Hill Interceptor Rehabilitation	13,964	0	407	742
7-68 MacArthur Dual Force Main Improvements	22,191	352	861	1,326
X-078 Air Jumper Additions and Rehabilitation	11,485	0	254	704
X-026 College Avenue Force Main Rehabilitation	10,286	341	393	552
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	22,191	352	861	1,326
X-065 Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation	10,286	341	393	552
3-68 Los Alamitos Sub-Trunk Extension	4,430	2,525	41	279
X-067 (X-085) Hoover–Western Sub-Trunks Sewer Rehabilitation	22,191	352	861	1,326
X-066 Tustin–Orange Interceptor Sewer at Reach 18 Rehabilitation	10,286	341	393	552
X-061 Imperial Highway Relief Interceptor Rehabilitation	22,191	352	861	1,326
X-068 North Trunk Rehabilitation	10,286	341	393	552
7-67 Main Street Pump Station Replacement and Force Main Rehabilitation	10,896	15	383	655
X-023 Lido Pump Station Rehabilitation	10,896	15	383	655
X-084 Tustin Avenue Sewer Relief	10,286	341	393	552
X-086 Santa Ana River Sewer Relief	34,212	2,002	1,417	1,818
X-022 15th Street Pump Station Rehabilitation	10,896	15	383	655
X-040 College Avenue Pump Station Replacement	23,888	13	328	1,267
11-34 Slater Avenue Pump Station Rehabilitation	10,896	15	383	655
7-64 Main Street Pump Station Rehabilitation	10,896	15	383	655

Table 4.5-4. Collection System Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
7-63 MacArthur Pump Station Rehabilitation	42,321	370	1,054	1,737
X-024 Rocky Point Pump Station Rehabilitation	23,888	13	328	1,267
X-041 A Street Pump Station Rehabilitation	10,896	15	383	655
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	10,896	15	383	655
X-025 Bitter Point Pump Station Rehabilitation	23,888	13	328	1,267
Total	681,845	12,044	20,108	40,555

Table 4.5-5 presents estimated petroleum demand during construction of the entire FMP, including the Plant 1, Plant 2, joint plant, and collection system projects.

Table 4.5-5. Total FMP Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
Plant 1	652,686	6,764	11,259	41,240
Plant 2	934,480	3,268	17,130	55,240
Joint Plant	6,988	8	233	326
Collection System	681,845	12,044	20,108	40,555
Total	2,275,999	22,084	48,730	137,361

Note: FMP = Facilities Master Plan.

In summary, construction of the FMP over 19 years is conservatively anticipated to consume 137,361 gallons of gasoline and 2,346,813 gallons of diesel. Averaged over 19 years, it is anticipated that the FMP would consume on average 7,230 gallons of gasoline and 123,516 gallons of diesel per year.

For disclosure only, by comparison, California as a whole consumes approximately 29 billion gallons of petroleum per year. Countywide total petroleum use by on-road vehicles only (i.e., not including construction off-road equipment) is expected to be 1.4 billion gallons per year in 2020 (CARB 2020b). Based on these assumptions, the FMP would require a fraction of the petroleum that would be consumed in California and countywide over the course of the construction period. Therefore, impacts to energy resources during construction would be less than significant.

Operation

The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the FMP projects addressed in this PEIR do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Therefore, operation of the FMP projects are not anticipated to generate an increase in energy demand, with the exception of the permanent Seal Beach pump station emergency generator, as further described below.

When replacing or rehabilitating facilities, the Sanitation District uses energy efficient devices as available. For example, when replacing equipment, the Sanitation District installs energy efficient motors, which in addition to reducing energy consumption, also save costs over time. In addition, when installing larger pumps, the Sanitation District uses variable frequency drives or soft start controls to avoid a large inrush current of starting a large motor.

Plant 1 includes various replacement and rehabilitation projects, with only one project (X-090) including construction of a structure. X-090, Network, Telecommunications, and Server Relocation at Plant 1, includes construction of an approximately 200-square-foot utility building to house Sanitation District network, telecommunications, and servers, which would not result in typical building energy usage.

Similar to Plant 1, Plant 2 includes various replacement and rehabilitation projects, with only P2-126 and P2-138 including structural replacements. For P2-126, Substation and Warehouse Replacement at Plant 2, the existing 21,000-square-foot warehouse would be demolished and reconstructed in a new location, which is anticipated to be larger (approximately 30,100 square feet) as some outdoor storage may be moved to indoor storage. While the new warehouse would be larger in size, it is not anticipated to generate substantially greater electricity or natural gas use. P2-126 also includes replacement of a SCE substation and replacement of a service center (approximately 3,100 square feet), both of which are anticipated to be approximately the same size as the existing structures and would not result in a net increase in operational energy use as these structures because they will primarily house electrical systems and equipment. P2-138, Operations and Maintenance Complex at Plant 2, would demolish the existing building and guard shack totaling 36,680 square feet and construct a new building (35,700 square feet) and new guard shack (200 square feet). Overall, the new structures would be slightly less square footage than the existing structures and would increase building energy efficiency as a result of complying with current building code (2019 Title 24 Building Energy Efficiency Standards at a minimum).⁷

The joint plant projects primarily consist of improvements of plantwide electrical and control systems; however, J-133 would result in a new structure. For J-133, Laboratory Rehabilitation or Replacement at Plant 1, the existing 40,000-square-foot laboratory building located at Plant 1 would be rehabilitated or replaced. The replacement J-133 building would be the same size, but since it would be built consistent with current building codes, including the latest Title 24 building energy efficiency standards applicable at the time of development, it is anticipated to be more energy efficient than the existing building.

⁷ As an historical example, from the 2008 to the 2013 Title 24 standards, it was estimated that buildings constructed in accordance with the 2013 standards would use 25% less energy for lighting, heating, cooling, ventilation, and water heating than the 2008 standards (CEC 2012). From the 2013 to the 2016 Title 24 Standards, in general, nonresidential buildings built to the 2016 standards will use an estimated 5% less energy than those built to the 2013 standards (CEC 2015). From the 2016 to the 2019 Title 24 Standards, in general, nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018a). Accordingly, it has been demonstrated that over time, the Title 24 standard updates have continuously improved energy efficiency in new construction.

For the collection system projects, which primarily consist of replacement or rehabilitation of pipelines and pump stations, once the replacement or rehabilitation is complete, no new routine operational activity or associated GHG maintenance emissions would occur. Minor maintenance would occur consistent with existing conditions. X-060, Newhope Placentia Chemical Dosing Station, includes removal of an existing pump station and construction of a new chemical dosing station at the abandoned pump station site. The chemical dosing station is anticipated to be small (less than 100 square feet) and would not consume energy typical of building operation since it would be used primarily to house the chemicals.

As previously mentioned, no projects under the FMP are anticipated to require additional Sanitation District personnel. To the extent feasible, replacement and rehabilitation projects would assist in improving energy efficiency. As with construction, project operation is not anticipated to have an effect on peak or base demand for electricity or base demand for natural gas, would be sufficiently served by existing supply from SCE (electricity) and SoCalGas (natural gas), would not have an effect on local or regional energy supplies or require additional capacity.⁸

As noted under Section 4.5.3.2, Approach and Methodology, the existing temporary diesel-fueled emergency generator at the Seal Beach pump station (3-67) would be replaced with a permanent diesel-fueled emergency generator. Estimated energy consumption (diesel fuel) from testing and maintenance for the permanent diesel-fueled emergency generator is approximately 4,672 gallons of diesel per year. Generator energy consumption is anticipated to be overestimated, as it was assumed that the new emergency generator would operate up to 50 hours per year for maintenance and testing; however, based on existing practice, the pump station emergency generators are typically tested for approximately 6 hours per year.

Therefore, FMP operation would not result in wasteful, inefficient, or unnecessary consumption of energy resources and impacts to energy resources during operations would be less than significant.

As discussed above, construction of FMP projects would not result in a wasteful, inefficient, or unnecessary use of energy. In addition, the FMP projects buildings would not result in a net increase in operational ~~energy~~ electricity or natural gas use and instead, would potentially improve energy efficiency at replacement buildings, no net increase in operational transportation fuel would occur, and diesel fuel from emergency generator testing is anticipated to be minimal. Therefore, impacts would be less than significant.

2. *Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?*

Less-than-Significant Impact. For this analysis of energy impacts, all FMP components are assessed together.

Part 6 of Title 24 of the California Code of Regulations establishes energy efficiency standards for residential and nonresidential buildings constructed in California to reduce energy demand and consumption. Part 6 is updated periodically (every 3 years) to incorporate and consider new energy efficiency technologies and methodologies. Title 24 also includes Part 11, CALGreen. CALGreen institutes mandatory minimum environmental performance standards for all ground-up, new construction of commercial and state-owned buildings. The FMP projects that include replacement structures would meet all applicable Title 24 and CALGreen standards to reduce energy demand and increase energy efficiency. In addition, the FMP projects would be required to comply with all applicable rules and regulations presented in Section 4.5.2.

⁸ Electricity and natural gas infrastructure is typically expanded in response to increasing demand, and system expansion and improvements by SCE and SoCal Gas occur as needed. Because the FMP is not anticipated to use substantial amounts of electricity or natural gas, no effect on local supply or infrastructure would occur.

Additionally, as discussed in Section 4.7 (Greenhouse Gas Emissions), the FMP projects would not conflict with the various local plans that would reduce energy use, including the City of Fullerton CAP, the City of Huntington Beach Greenhouse Gas Reduction Program, the City of La Habra CAP, and the City of Santa Ana CAP. Overall, the FMP would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency; therefore, impacts during construction and operation of the FMP would be less than significant.

4.5.5 Mitigation Measures

The FMP projects addressed in this PEIR are not anticipated to result in significant impacts related to energy, so no mitigation measures are warranted.

4.5.6 Level of Significance After Mitigation

No mitigation measures are proposed, and energy impacts would be less than significant without mitigation.

4.5.7 Cumulative Impacts

Cumulative projects that could exacerbate the proposed FMP’s impacts include any projects that could result in wasteful, inefficient, or unnecessary use of energy. However, the FMP would not result in wasteful, inefficient, or unnecessary use of energy during proposed construction activities. Additionally, the FMP is not anticipated to result in a net increase in operational energy use from replacement buildings, and replacement buildings are anticipated to improve energy efficiency, no net increase in operational transportation fuel would occur, and diesel fuel from emergency generator testing is anticipated to be minimal. Therefore, cumulative impacts to energy use would be less than cumulatively considerable. No mitigation is required.

4.5.8 Impact Summary

Table 4.5-6 summarizes the impacts for the FMP projects assessed at the project level at Plant 1, Plant 2, joint plant projects, and collection system projects under each threshold analyzed in this PEIR.

Energy consumption resulting from FMP implementation should be considered on the whole instead of at an individual project level, as evaluated in Section 4.5.4. Accordingly, the overall impact determination for each energy threshold, as evaluated for the entire FMP, is applied to all project-level components in Table 4.5-6.

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<i>Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?</i>					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	—	Less than Significant

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	—	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	—	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	—	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	—	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	—	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
P2-138	Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	–	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	–	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	–	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	–	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	–	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	–	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	–	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	–	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	–	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	–	Less than Significant
Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	–	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	–	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	–	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	–	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	–	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	–	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	–	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	–	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	–	Less than Significant

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
P2-138	Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	—	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	—	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	—	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	—	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	—	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	—	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	—	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	—	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	—	Less than Significant

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	—	Less than Significant

Note: UPS = uninterruptible power system.

4.5.9 References

- California Gas and Electric Utilities (Southern California Gas Company, Pacific Gas and Electric Company, San Diego Gas & Electric Company, Southwest Gas Corporation, City of Long Beach Gas & Oil Department, and Southern California Edison Company). 2018. *2018 California Gas Report*. Accessed March 2020. https://www.socalgas.com/regulatory/documents/cgr/2018_California_Gas_Report.pdf.
- CARB (California Air Resources Board). 2020a. “Facts About the Advanced Clean Cars Program.” Accessed May 2020. <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-cars-program/about>.
- CARB. 2020b. EMFAC 2017 Web Database (v1.0.2). Accessed May 2020. <https://www.arb.ca.gov/emfac/2017/>.
- CEC (California Energy Commission). 2012. “2013 Building Energy Efficiency Standards – Frequently Asked Questions.” May 2012. Accessed June 25, 2020. https://energyarchive.ca.gov/title24/2013standards/rulemaking/documents/2013_Building_Energy_Efficiency_Standards_FAQ.pdf.
- CEC. 2015. “2016 Building Efficiency Standards Frequently Asked Questions.” Accessed June 25, 2020. https://www.energy.ca.gov/sites/default/files/2019-05/2016_Building_Energy_Efficiency_Standards_FAQ.pdf.
- CEC. 2017. *California Energy Demand 2018-2028 Preliminary Forecast*. CEC-200-2017-006-SD. January 2017. Accessed May 2020. http://docketpublic.energy.ca.gov/PublicDocuments/17-IEPR-03/TN220615_20170809T083759_California_Energy_Demand_20182028_Preliminary_Forecast.pdf.
- CEC. 2018a. “2019 Building Energy Efficiency Standards – Frequently Asked Questions.” March 2018. Accessed June 25, 2020. https://ww2.energy.ca.gov/title24/2019standards/documents/Title24_2019_Standards_detailed_faq.pdf.
- CEC. 2018b. *2018 IEPR – Integrated Energy Policy Report Update Volume 1*. Adopted August 2018. Accessed March 2020. https://ww2.energy.ca.gov/2018publications/CEC-100-2018-001/CEC-100-2018-001-V1_pages.pdf.
- CEC. 2020a. “Electricity Consumption by County.” Accessed May 2020. <http://ecdms.energy.ca.gov/elecbycounty.aspx>.
- CEC. 2020b. “Gas Consumption by County.” Accessed May 2020. <http://ecdms.energy.ca.gov/gasbycounty.aspx>.
- CPUC (California Public Utilities Commission). 2016. *Biennial RPS Program Update*. Report prepared in compliance with Public Utilities Code Section 913.6. January 1, 2016. http://www.cpuc.ca.gov/uploadedfiles/cpuc_website/content/utilities_and_industries/energy/reports_and_white_papers/final12302015section913_6report.pdf.

- CPUC. 2018. *2018 California Renewables Portfolio Standard Annual Report*. November 2018. Accessed March 2020. http://www.cpuc.ca.gov/uploadedFiles/CPUC_Public_Website/Content/Utilities_and_Industries/Energy_-_Electricity_and_Natural_Gas/Renewables%20Portfolio%20Standard%20Annual%20Report%202018.pdf.
- CPUC. 2020. “Natural Gas and California.” Accessed May 2020. http://www.cpuc.ca.gov/natural_gas/.
- EIA (U.S. Energy Information Administration). 2020a. “State Electricity Profiles – California Electricity Profile 2018.” December 31, 2019; corrected March 23, 2020. Accessed May 2020. <https://www.eia.gov/electricity/state/california/index.php>.
- EIA. 2020b. “California State Energy Profile.” Last updated January 16, 2020. Accessed May 2020. <https://www.eia.gov/state/print.php?sid=CA>.
- EIA. 2020c. “Natural Gas Consumption by End Use.” May 2020. Accessed May 2020. https://www.eia.gov/dnav/ng/ng_cons_sum_a_EPGO_VCO_mmc_f_a.htm.
- EIA. 2020d. “California State Profile and Energy Estimates – Table F16: Total Petroleum Consumption Estimates, 2017.” Accessed May 2020. https://www.eia.gov/state/seds/data.php?incfile=/state/seds/sep_fuel/html/fuel_use_pa.html&sid=US&sid=CA.
- EPA (U.S. Environmental Protection Agency). 2017. “Overview for Renewable Fuel Standard.” Last updated June 7, 2017. Accessed May 2019. <https://www.epa.gov/renewable-fuel-standard-program/overview-renewable-fuel-standard>.
- SCE (Southern California Edison). 2019. 2018 Power Content Label. Southern California Edison. July 2019. <https://www.sce.com/sites/default/files/inline-files/2018SCEPCL.pdf>.
- The Climate Registry. ~~2018~~2020. *The Climate Registry’s 2018-2020 Default Emission Factors*. ~~May 1, 2018~~April 2020. <https://www.theclimateregistry.org/wp-content/uploads/2020/04/The-Climateregistry-2020-Default-Emission-Factor-Document.pdf>. ~~<https://www.theclimateregistry.org/wp-content/uploads/2018/06/The-Climateregistry-2018-Default-Emission-Factor-Document.pdf>~~.

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4.7 Greenhouse Gas Emissions

This section describes the existing conditions related to greenhouse gas (GHG) emissions, identifies associated regulatory requirements, evaluates potential GHG emissions impacts, and identifies mitigation measures related to implementation of the proposed Facilities Master Plan (FMP).

4.7.1 Existing Conditions

4.7.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2017a).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows: short-wave radiation emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation, and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-twentieth century and is the most significant driver of observed climate change (IPCC 2013; EPA 2017a). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system.

4.7.1.2 Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g), for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), and nitrogen

trifluoride (NF₃) (see also 14 CCR 15364.5).¹ Some GHGs, such as CO₂, CH₄, and N₂O, are emitted into the atmosphere through natural processes and human activities. Of these gases, CO₂ and CH₄ are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO₂, include fluorinated gases, such as HFCs, PFCs, and SF₆, which are associated with certain industrial products and processes. The following paragraphs provide a summary of the most common GHGs and their sources.²

Carbon Dioxide. CO₂ is a naturally occurring gas and a by-product of human activities and is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO₂ include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO₂ are from the combustion of fuels such as coal, oil, natural gas, and wood and changes in land use.

Methane. CH₄ is produced through both natural and human activities. CH₄ is a flammable gas and is the main component of natural gas. Methane is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide. N₂O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N₂O. Sources of N₂O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers, manure management, industrial processes (such as in nitric acid production, nylon production, and fossil-fuel-fired power plants), vehicle emissions, and using N₂O as a propellant (such as in rockets, racecars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric ozone-depleting substances (e.g., CFCs, hydrochlorofluorocarbons [HCFCs], and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to ozone-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, with HFCs, to the ozone depleting substances. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.

¹ Climate forcing substances include GHGs and other substances such as black carbon and aerosols. This discussion focuses on the seven GHGs identified in the California Health and Safety Code Section 38505, because impacts associated with other climate forcing substances are not evaluated herein.

² The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change's Second Assessment Report and Fourth Assessment Report (IPCC 1995, 2007), the California Air Resources Board's Glossary of Terms Used in GHG Inventories (CARB 2018), and the U.S. Environmental Protection Agency's Glossary of Climate Change Terms (EPA 2016).

- **Sulfur Hexafluoride:** SF₆ is a colorless gas soluble in alcohol and ether and slightly soluble in water. SF₆ is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** NF₃ is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

Chlorofluorocarbons. CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere) and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O₃.

Hydrochlorofluorocarbons. HCFCs are a large group of compounds, whose structure is very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of fine particulate matter, which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influences cloud formation, and darkens the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is a short-lived species that varies spatially, which makes it difficult to quantify the global warming potential. Diesel particulate matter emissions are a major source of black carbon and are toxic air contaminants that have been regulated and controlled in California for several decades to protect public health. In relation to declining diesel particulate matter from the California Air Resources Board’s (CARB’s) regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have reduced by 70% between 1990 and 2010, with 95% control expected by 2020 (CARB 2014).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere and maintains a climate necessary for life.

Ozone. Tropospheric O₃, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O₃, which is created by the interaction between solar ultraviolet radiation and molecular oxygen (O₂), plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O₃, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

4.7.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects

atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2020a). The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO₂; therefore, GWP-weighted emissions are measured in metric tons of CO₂ equivalent (MT CO₂e).

The current version of the California Emissions Estimator Model (CalEEMod) (Version 2016.3.2) assumes that the GWP for CH₄ is 25 (so emissions of 1 MT of CH₄ are equivalent to emissions of 25 MT of CO₂), and the GWP for N₂O is 298, based on the IPCC’s Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the FMP projects.

4.7.1.4 Sources of Greenhouse Gas Emissions

Per the U.S. Environmental Protection Agency (EPA) Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2018 (EPA 2020a), total United States GHG emissions were approximately 6,676.6 million metric tons (MMT) CO₂e in 2018 (EPA 2020a). The primary GHG emitted by human activities in the United States was CO₂, which represented approximately 81.3% of total GHG emissions (5,428.1 MMT CO₂e). The largest source of CO₂, and of overall GHG emissions, was fossil-fuel combustion, which accounted for approximately 92.8% of CO₂ emissions in 2018 (5,031.8 MMT CO₂e). Relative to 1990, gross United States GHG emissions in 2018 are higher by 3.7%, down from a high of 15.2% above 1990 levels in 2007. GHG emissions decreased from 2017 to 2018 by 2.9% (188.4 MMT CO₂e) and overall, net emissions in 2018 were 10.2% below 2005 levels (EPA 2020a).

According to California’s 2000–2017 GHG emissions inventory (2019 edition), California emitted 424 MMT CO₂e in 2017, including emissions resulting from out-of-state electrical generation (CARB 2019). The sources of GHG emissions in California include transportation, industry, electric power production from both in-state and out-of-state sources, residential and commercial activities, agriculture, high GWP substances, and recycling and waste. The California GHG emission source categories and their relative contributions in 2017 are presented in Table 4.7-1.

Table 4.7-1. Greenhouse Gas Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO ₂ e)	Percent of Total ^a
Transportation	169.86	40%
Industrial	89.40	21%
Electric power ^b	62.39	15%
Agriculture	32.42	8%
Residential	26.00	6%
Commercial	15.14	4%
High global-warming potential substances	19.99	5%
Recycling and waste	8.89	2%
Total	424.10	100%

Source: CARB 2019.

Notes: GHG = greenhouse gas; MMT CO₂e = million metric tons of carbon dioxide equivalent per year. Emissions reflect the 2017 California GHG inventory.

^a Percentage of total has been rounded, and total may not sum due to rounding.

^b Includes emissions associated with imported electricity, which account for 26.28 MMT CO₂e annually.

Between 2000 and 2017, per-capita GHG emissions in California have dropped from a peak of 14.1 MT per person in 2001 to 10.7 MT per person in 2017, representing a 24% decrease. In addition, total GHG emissions in 2017 were approximately 5 MMT CO₂e less than 2016 emissions (CARB 2019).

As explained in more detail in Section 4.7.2, the Cities of Fullerton, Huntington Beach, La Habra, and Santa Ana, where FMP components are located, have adopted GHG emission reduction plans, such as a Climate Action Plan (CAP), which include local GHG emission inventories. The GHG inventories for these cities for their selected inventory year are as follows: 1,711,836 MT CO₂e for the City of Fullerton in 2009 (City of Fullerton 2012), 1,432,540 MT CO₂e for the City of Huntington Beach in 2012 (City of Huntington Beach 2017), 284,089 MT CO₂e for the City of La Habra in 2010 (City of La Habra 2014), and 1,959,431 for the City of Santa Ana in 2008 (City of Santa Ana 2015).

4.7.1.5 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 IPCC Synthesis Report (IPCC 2014) indicated that warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, rising sea levels, and ocean acidification (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, frequency of severe weather events, and electricity demand and supply. The primary effect of global climate change has been a rise in average global tropospheric temperature. Reflecting the long-term warming trend since pre-industrial times, observed global mean surface temperature for the decade 2006–2015 was 0.87 °C (likely between 0.75 °C and 0.99 °C) higher than the average over the 1850–1900 period (IPCC 2018). Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Human activities are estimated to have caused approximately 1.0 °C (1.8 °F) of global warming above pre-industrial levels, with a likely range of 0.8 °C to 1.2 °C (1.4 °F to 2.2 °F) (IPCC 2018). Global warming is likely to reach 1.5 °C (2.7 °F) between 2030 and 2052 if it continues to increase at the current rate (IPCC 2018).

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The Office of Environmental Health Hazard Assessment identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernible evidence that climate change is occurring in California and is having significant, measurable impacts in the state. Changes in the state’s climate have been observed including an increase in annual average air temperature with record warmth from 2012 to 2016, more frequent extreme heat events, more extreme drought, a decline in winter chill, an increase in cooling degree days and a decrease in heating degree days, and an increase in variability of statewide precipitation (OEHA 2018).

Warming temperatures and changing precipitation patterns have altered California’s physical systems—the ocean, lakes, rivers and snowpack—upon which the state depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the state’s annual water supply. Impacts of climate on physical systems have been observed such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in spring snowmelt runoff, glacier change (loss in area), rise in sea levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters (OEHA 2018).

Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed including climate change impacts on terrestrial, marine, and freshwater ecosystems. As with global observations, species responses include those consistent with warming: elevational or latitudinal shifts in range, changes in the timing of key plant and animal life cycle events, and changes in the abundance of species and in community composition. Humans are better able to adapt to a changing climate than plants and animals in natural ecosystems. Nevertheless, climate change poses a threat to public health as warming temperatures and changes in precipitation can affect vector-borne pathogen transmission and disease patterns in California as well as the variability of heat-related deaths and illnesses. In addition, since 1950, the area burned by wildfires each year has been increasing.

The California Natural Resources Agency (CNRA) has released four California Climate Change Assessments (2006, 2009, 2012, and 2018), which have addressed the following: acceleration of warming across the state, more intense and frequent heat waves, greater riverine flows, accelerating sea level rise, more intense and frequent drought, more severe and frequent wildfires, more severe storms and extreme weather events, shrinking snowpack and less overall precipitation, and ocean acidification, hypoxia, and warming. To address local and regional governments’ need for information to support action in their communities, the Fourth Assessment (CNRA 2018a) includes reports for nine regions of the state, including the Los Angeles Region, which includes Orange County where the FMP projects are located. Key projected climate changes for the Los Angeles Region include the following (CNRA 2018a):

- Continued future warming over the Los Angeles region. Across the region, average maximum temperatures are projected to increase around 4 °F to 5 °F by the mid-century, and 5 °F to 8 °F by the late-century.
- Extreme temperatures are also expected to increase. The hottest day of the year may be up to 10 °F warmer for many locations across the Los Angeles region by the late century under certain model scenarios. The number of extremely hot days is also expected to increase across the region.
- Despite small changes in average precipitation, dry and wet extremes are both expected to increase. By the late twenty-first century, the wettest day of the year is expected to increase across most of the Los Angeles region, with some locations experiencing 25% to 30% increases under certain model scenarios. Increased frequency and severity of atmospheric river events are also projected to occur for this region.
- Sea levels are projected to continue to rise in the future, but there is a large range based on emissions scenario and uncertainty in feedbacks in the climate system. Roughly 1 foot to 2 feet of sea level rise is projected by the mid-century, and the most extreme projections lead to 8 feet to 10 feet of sea level rise by the end of the century.
- Projections indicate that wildfire may increase over southern California, but there remains uncertainty in quantifying future changes of burned area over the Los Angeles region.

4.7.2 Relevant Plans, Policies, and Ordinances

International

United Nations Framework Convention on Climate Change, Kyoto Protocol, and Paris Agreement

In 1992, numerous countries joined an international treaty—the United Nations Framework Convention on Climate Change (UNFCCC)—as a framework for international cooperation to combat climate change by limiting average global temperature increases and the resulting climate change, and coping with associated impacts. Currently, there are 197 Parties (196 States and 1 regional economic integration organization) in the UNFCCC (UNFCCC 2019).

By 1995, countries launched negotiations to strengthen the global response to climate change, and, 2 years later, adopted the Kyoto Protocol, which was the first international agreement to regulate GHG emissions. The Kyoto Protocol legally binds developed country Parties to emission reduction targets. The Protocol's first commitment period started in 2008 and ended in 2012. The second commitment period began on January 1, 2013, and will end in 2020. More than 160 countries signed the Kyoto Protocol (UNFCCC 2019). In 2001, President George W. Bush indicated that he would not submit the treaty to the U.S. Senate for ratification, which effectively ended the United States' involvement in the Kyoto Protocol.

The 2015 Paris Agreement, adopted in Paris on December 12, 2015, marks the latest step in the evolution of the United Nations' climate change regime and builds on the work undertaken under the UNFCCC. The Paris Agreement charts a new course in the global effort to combat climate change. The Paris Agreement's central aim is to strengthen the global response to the threat of climate change by keeping a global temperature rise this century well below 2 °C above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 °C (UNFCCC 2019). The Paris Agreement also aims to strengthen the ability of countries to deal with the impacts of climate change. The Paris Agreement requires all Parties to put forward their best efforts through nationally determined contributions and to strengthen these efforts in the years ahead.

The Paris Agreement entered into force on November 4, 2016, 30 days after the date on which at least 55 Parties to the UNFCCC, accounting in total for at least an estimated 55% of the total global GHG emissions, deposited their instruments of ratification, acceptance, approval or accession with the Depositary (UNFCCC 2019). On November 4, 2019, the Trump Administration gave formal notice of intention to withdraw from the Paris Agreement; however, withdrawal becomes effective one year after notification (in November 2020).

Federal

Massachusetts v. EPA

In *Massachusetts v. EPA* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act:

- The administrator found that elevated concentrations of GHGs—CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆—in the atmosphere threaten the public health and welfare of current and future generations. This is the “endangerment finding.”
- The administrator further found the combined emissions of GHGs—CO₂, CH₄, N₂O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the “cause or contribute finding.”

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (December 2007), among other key measures, would do the following, which would aid in the reduction of national GHG emissions (EPA 2007):

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.

- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020, and directs National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy-efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards

In response to the U.S. Supreme Court ruling previously discussed, the Bush Administration issued Executive Order (EO) 13432 in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016 (75 FR 25324–25728).

In 2010, President Barack Obama issued a memorandum directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO₂ in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021 (77 FR 62624–63200). On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks (EPA 2017b).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018 (76 FR 57106–57513). The standards for CO₂ emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6%–23% over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO₂ emissions by approximately 1.1 billion MT and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

In August 2018, EPA and NHTSA proposed to amend certain fuel economy and GHG standards for passenger cars and light trucks and establish new standards for model years 2021 through 2026. Compared to maintaining the post-2020 standards now in place, the 2018 proposal would increase U.S. fuel consumption by about half a million barrels per day (2%–3% of total daily consumption, according to the Energy Information Administration) and would impact the global climate by 3/1000th of one degree Celsius by 2100 (EPA and NHTSA 2018). California and other states have stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures and have committed to cooperating with other countries to implement global climate change initiatives.

On September 27, 2019, the EPA and NHTSA published the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program (84 FR 51310), which became effective November 26, 2019. The Part One Rule revokes California’s authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the EPA and NHTSA issued the Part Two Rule, which will go into effect 60 days after being published in the Federal Register. The Part Two Rule sets CO₂ emissions standards and corporate average fuel economy standards for passenger vehicles and light-duty trucks for model years 2021 through 2026. This issue is evolving as California and 22 other states, as well as the District of Columbia and four cities, filed suit against the EPA and a petition for reconsideration of the rule on November 26, 2019. The litigation is not expected to be resolved for at least several months.

Clean Power Plan and New Source Performance Standards for Electric Generating Units

On October 23, 2015, EPA published a final rule (effective December 22, 2015) establishing the Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units (80 FR 64510–64660), also known as the Clean Power Plan. These guidelines prescribe how states must develop plans to reduce GHG emissions from existing fossil-fuel-fired electric generating units. The guidelines establish CO₂ emission performance rates representing the best system of emission reduction for two subcategories of existing fossil-fuel-fired electric generating units: (1) fossil-fuel-fired electric utility steam-generating units, and (2) stationary combustion turbines. Concurrently, the EPA published a final rule (effective October 23, 2015) establishing Standards of Performance for Greenhouse Gas Emissions from New, Modified, and Reconstructed Stationary Sources: Electric Utility Generating Units (80 FR 64661–65120). The rule prescribes CO₂ emission standards for newly constructed, modified, and reconstructed affected fossil-fuel-fired electric utility generating units. The U.S. Supreme Court stayed implementation of the Clean Power Plan pending resolution of several lawsuits.

State

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state regulations and goals. The following text describes EOs, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

The state has taken a number of actions to address climate change. These include EOs, legislation, and CARB plans and requirements. These are summarized below.

EO S-3-05. EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, GHG emissions should be reduced to 1990 levels by 2020, and GHG emissions should be reduced to 80% below 1990 levels by 2050.

Assembly Bill (AB) 32. In furtherance of the goals established in EO S-3-05, the legislature enacted AB 32. The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive multiyear program to limit California’s GHG emissions at 1990 levels by 2020 and initiate the transformations required to achieve the state’s long-range climate objectives.

CARB’s 2007 Statewide Limit. In 2007, in accordance with California Health and Safety Code, Section 38550, CARB approved a statewide limit on the GHG emissions level for year 2020 consistent with the determined 1990 baseline (427 MMT CO₂e).

CARB's Climate Change Scoping Plan. One specific requirement of AB 32 is for CARB to prepare a scoping plan for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code, Section 38561[a]), and to update the plan at least once every 5 years. In 2008, CARB approved the first scoping plan. The Climate Change Scoping Plan: A Framework for Change (Scoping Plan) included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emission limit and initiate the transformations needed to achieve the state's long-range climate objectives. The key elements of the Scoping Plan include the following (CARB 2008):

1. Expanding and strengthening existing energy efficiency programs as well as building and appliance standards.
2. Achieving a statewide renewable energy mix of 33%.
3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California's GHG emissions.
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets.
5. Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard (LCFS) (17 CCR, Section 95480 et seq.).
6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.

The Scoping Plan also identified local governments as essential partners in achieving California's goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations and for community emissions to reduce GHGs by approximately 15% from then levels (2008) by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the state's GHG emission reduction priorities for the next 5 years and laid the groundwork to start the transition to the post-2020 goals set forth in EO S-3-05 and EO B-16-2012. The First Update concluded that California is on track to meet the 2020 target but recommended a 2030 mid-term GHG reduction target be established to ensure a continuum of action to reduce emissions (CARB 2014). The First Update recommended a mix of technologies in key economic sectors to reduce emissions through 2050 including energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies. As part of the First Update, CARB recalculated the state's 1990 emissions level, using more recent GWPs identified by the IPCC, from 427 MMT CO₂e to 431 MMT CO₂e (CARB 2014).

In 2015, as directed by EO B-30-15, CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. The governor called on California to pursue a new and ambitious set of strategies, in line with the five climate change pillars from his inaugural address, to reduce GHG emissions and prepare for the unavoidable impacts of climate change. In the summer of 2016, the legislature affirmed the importance of addressing climate change through passage of SB 32 (Chapter 249, Statutes of 2016).

In December 2017, CARB adopted the 2017 Climate Change Scoping Plan Update (2030 Scoping Plan) (CARB 2017). The 2030 Scoping Plan builds on the successful framework established in the initial Scoping Plan and First Update, while identifying new, technologically feasible and cost-effective strategies that will serve as the framework to achieve the 2030 GHG target and define the state's climate change priorities to 2030 and beyond. The strategies' known commitments include implementing renewable energy and energy efficiency (including the mandates of SB 350), increased stringency of the LCFS, measures identified in the Mobile Source and Freight Strategies, measures identified in the proposed Short-Lived Climate Pollutant Plan, and increased stringency of SB 375 targets. To fill the gap in additional reductions needed to achieve the 2030 target, it recommends continuing the cap-and-trade program and a measure to reduce GHGs from refineries by 20%.

CARB's Regulations for the Mandatory Reporting of Greenhouse Gas Emissions. CARB's Regulation for the Mandatory Reporting of Greenhouse Gas Emissions (17 CCR 95100–95157) incorporated by reference certain requirements that EPA promulgated in its Final Rule on Mandatory Reporting of Greenhouse Gases (Title 40, CFR, Part 98). Specifically, Section 95100(c) of the Mandatory Reporting Regulation incorporated those requirements that EPA promulgated in the Federal Register on October 30, 2009; July 12, 2010; September 22, 2010; October 28, 2010; November 30, 2010; December 17, 2010; and April 25, 2011. In general, entities subject to the Mandatory Reporting Regulation that emit over 10,000 MT CO_{2e} per year are required to report annual GHGs through the California Electronic GHG Reporting Tool. Certain sectors, such as refineries and cement plants, are required to report regardless of emission levels. Entities that emit more than the 25,000 MT CO_{2e} per-year threshold are required to have their GHG emission report verified by a CARB-accredited third party.

EO B-18-12. EO B-18-12 (April 2012) directed state agencies, departments, and other entities under the governor's executive authority to take action to reduce entity-wide GHG emissions by at least 10% by 2015 and 20% by 2020, as measured against a 2010 baseline. EO B-18-12 also established goals for existing state buildings for reducing grid-based energy purchases and water use.

SB 605 and SB 1383. SB 605 (2014) requires CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state, and SB 1383 (2016) requires CARB to approve and implement that strategy by January 1, 2018. SB 1383 also establishes specific targets for the reduction of short-lived climate pollutants (40% below 2013 levels by 2030 for CH₄ and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon), and provides direction for reductions from dairy and livestock operations and landfills. Accordingly, and as mentioned above, CARB adopted its Short-Lived Climate Pollutant Reduction Strategy in March 2017. The Short-Lived Climate Pollutant Reduction Strategy establishes a framework for the statewide reduction of emissions of black carbon, CH₄, and fluorinated gases.

EO B-30-15. EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. To facilitate achieving this goal, EO B-30-15 called for CARB to update the Scoping Plan to express the 2030 target in terms of MMT CO_{2e}. The EO also called for state agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets.

Senate Bill (SB) 32 and AB 197. SB 32 and AB 197 (enacted in 2016) are companion bills. SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, in order to provide ongoing oversight over

implementation of the state’s climate policies. AB 197 also added two members of the Legislature to the CARB Board as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

EO B-55-18. EO B-55-18 (September 2018) establishes a new statewide goal “to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter.” This EO directs CARB to “work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal.”

Building Energy

Title 24, Part 6. Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California’s building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and the California Energy Commission (CEC) (and revised if necessary) (California Public Resources Code, Section 25402[b][1]). The regulations receive input from members of industry, as well as the public, with the goal of “reducing of wasteful, uneconomic, inefficient, or unnecessary consumption of energy” (California Public Resources Code, Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (California Public Resources Code, Section 25402[d]) and cost effectiveness (California Public Resources Code, Sections 25402[b][2] and [b][3]). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2019 Title 24 standards are the currently applicable building energy efficiency standards, and became effective on January 1, 2020. The 2019 Title 24 Building Energy Efficiency Standards will further reduce energy used and associated GHG emissions compared to prior standards. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy due to energy efficiency measures than those built to the 2016 standards; once rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018). Nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018).

Title 24, Part 11. In addition to the CEC’s efforts, in 2008, the California Building Standards Commission adopted the nation’s first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as California’s Green Building Standards (CALGreen), and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings and schools and hospitals. The 2019 CALGreen standards are the current applicable standards. For nonresidential projects, some of the key mandatory CALGreen 2019 standards involve requirements related to bicycle parking, designated parking for clean air vehicles, electric vehicle (EV) charging stations, shade trees, water-conserving plumbing fixtures and fittings, outdoor potable water use in landscaped areas, recycled water supply systems, construction waste management, excavated soil and land clearing debris, and commissioning (24 CCR Part 11).

The CALGreen standards also include voluntary efficiency measures that are provided at two tiers and implemented at the discretion of local agencies and applicants. CALGreen’s Tier 1 standards call for a 15% improvement in energy requirements, stricter water conservation, 65% diversion of construction and demolition waste, 10% recycled content in building materials, 20% permeable paving, 20% cement reduction, and cool/solar-reflective roofs. CALGreen’s more rigorous Tier 2 standards call for a 30% improvement in energy requirements, stricter water conservation, 80% diversion of construction and demolition waste, 15% recycled content in building materials, 30% permeable paving, 25% cement reduction, and cool/solar-reflective roofs.

Title 20. Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. The CEC certifies an appliance based on a manufacturer’s demonstration that the appliance meets the standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwashers; clothes washers and dryers; cooking products; electric motors; low-voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems.

SB 1. SB 1 (August 2006, “Go Solar California” or “Million Solar Roofs”) established a \$3 billion rebate program to support the goal of the state to install rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. The goals included establishing solar energy systems as a viable mainstream option for both homes and businesses within 10 years of adoption, and placing solar energy systems on 50% of new homes within 13 years of adoption.

AB 1470 (Solar Water Heating). This bill established the Solar Water Heating and Efficiency Act of 2007. The bill includes findings and declarations of the legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand.

Renewable Energy and Energy Procurement

SB 1078. SB 1078 (September 2002) established the Renewables Portfolio Standard (RPS) program, which required an annual increase in renewable generation by the utilities equivalent to at least 1% of sales, with an aggregate goal of 20% by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20% of their power from renewable sources by 2010 (EO S-14-08 and EO S-21-09).

SB 1368. SB 1368 (September 2006) required the CEC to develop and adopt regulations for GHG emission performance standards for the long-term procurement of electricity by local publicly owned utilities.

AB 1109. Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general-purpose lighting, to reduce electricity consumption by 50% for indoor residential lighting and 25% for indoor commercial lighting.

EO S-14-08. EO S-14-08 (November 2008) focused on the contribution of renewable energy sources to meet the electrical needs of California while reducing the GHG emissions from the electrical sector. This EO required that all retail suppliers of electricity in California serve 33% of their load with renewable energy by 2020.

EO S-21-09 and SB X1-2. EO S-21-09 (September 2009) directed CARB to adopt a regulation consistent with the goal of EO S-14-08 by July 31, 2010. On September 23, 2010, CARB initially approved regulations to implement a Renewable Electricity Standard. However, this regulation was not finalized because of subsequent legislation (SB X1-2, Simitian, Statutes of 2011) signed by Governor Brown in April 2011.

SB X1-2 expanded the RPS by establishing a renewable energy target of 20% of the total electricity sold to retail customers in California per year by December 31, 2013, and 33% by December 31, 2020, and in subsequent years. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation (30 megawatts or less), digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location. SB X1-2 applies to all electricity retailers in the state including publicly owned utilities, investor-owned utilities, electricity service providers, and community choice aggregators.

SB 350. SB 350 (October 2015, Clean Energy and Pollution Reduction Act) further expanded the RPS by establishing a goal of 50% of the total electricity sold to retail customers in California per year by December 31, 2030. In addition, SB 350 included the goal to double the energy efficiency savings in electricity and natural gas final end uses (e.g., heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency. The bill also requires the California Public Utilities Commission, in consultation with the CEC, to establish efficiency targets for electrical and gas corporations consistent with this goal. Regarding mobile sources, as one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state’s 2030 and 2050 reduction targets (see California Public Utilities Code, Section 740.12).

SB 100. SB 100 (2018) increased the standards set forth in SB 350 establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024; 52% by December 31, 2027; and 60% by December 31, 2030, be secured from qualifying renewable energy sources. SB 100 states that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of electricity to California. This bill requires that the achievement of 100% zero-carbon electricity resources do not increase the carbon emissions elsewhere in the western grid and that the achievement not be achieved through resource shuffling.

Mobile Sources

State Vehicle Standards (AB 1493 and EO B-16-12). AB 1493 (July 2002) was enacted in a response to the transportation sector accounting for more than half of California’s CO₂ emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. EO B-16-12 (March 2012) required that state entities under the governor’s direction and control support and facilitate the rapid commercialization of zero-emissions vehicles. It ordered CARB, CEC, California Public Utilities Commission, and other relevant agencies to work with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve benchmark goals by 2015, 2020, and 2025. On a statewide basis, EO B-16-12 established a target reduction of GHG emissions from the transportation sector equaling 80% less than 1990 levels by 2050. This directive did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare. As explained under the “Federal Vehicle Standards” description above, EPA and NHTSA approved the SAFE Vehicles Rule Part One and Two, which revoked California’s authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. As the EPA rule is the subject of pending legal challenges, and CARB has not issued GHG adjustment factors for EMFAC, this analysis continues to utilize the best available information at this time, as set forth in EMFAC.

Heavy Duty Diesel. CARB adopted the final Heavy Duty Truck and Bus Regulation, Title 13, Division 3, Chapter 1, Section 2025, on December 31, 2014, to reduce particulate matter and NO_x emissions from heavy-duty diesel vehicles. The rule requires particulate matter filters be applied to newer heavier trucks and buses by January 1, 2012, with older vehicles required to comply by January 1, 2015. The rule will require nearly all diesel trucks and buses to be compliant with the 2010 model year engine requirement by January 1, 2023. CARB also adopted an Airborne Toxic Control Measure to limit idling of diesel-fueled commercial vehicles on December 12, 2013. This rule requires diesel-fueled vehicles with gross vehicle weights greater than 10,000 pounds to idle no more than 5 minutes at any location (13 CCR 2485).

EO S-1-07. EO S-1-07 (January 2007, implementing regulation adopted in April 2009) sets a declining LCFS for GHG emissions measured in CO_{2e} grams per unit of fuel energy sold in California. The target of the LCFS is to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020 (17 CCR 95480 et seq.). The carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered.

SB 375. SB 375 (September 2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 requires CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035 and to update those targets every 8 years. SB 375 requires each of the state's 18 regional metropolitan planning organizations to prepare a Sustainable Communities Strategy (SCS) as part of their Regional Transportation Plan (RTP) that will achieve the GHG reduction targets set by CARB. If a metropolitan planning organization is unable to devise an SCS to achieve the GHG reduction target, the metropolitan planning organization must prepare an alternative planning strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to Government Code, Section 65080(b)(2)(K), a SCS does not (1) regulate the use of land; (2) supersede the land use authority of cities and counties; or (3) require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In September 2010, CARB adopted the first SB 375 targets for the regional metropolitan planning organizations. The targets for the Southern California Association of Governments (SCAG) are an 8% reduction in emissions per capita by 2020 and a 13% reduction by 2035. Achieving these goals through adoption of an SCS is the responsibility of the metropolitan planning organizations. SCAG adopted its first RTP/SCS in April 2012. The plan quantified a 9% reduction by 2020 and a 16% reduction by 2035 (SCAG 2012). In June 2012, CARB accepted SCAG's quantification of GHG reductions and its determination the SCS, if implemented, would achieve SCAG targets. On April 4, 2016, the SCAG Regional Council adopted the 2016 RTP/SCS, which builds upon the progress made in the 2012 RTP/SCS. The updated RTP/SCS quantified an 8% reduction by 2020 and an 18% reduction by 2030 (SCAG 2016). In June 2016, CARB accepted SCAG's quantification of GHG reductions and its determination that the SCS, if implemented, would achieve SCAG targets.

Advanced Clean Cars Program and Zero-Emissions Vehicle Program. The Advanced Clean Cars Program (January 2012) is a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars (CARB 2012). To improve air quality, CARB has implemented new emission standards to reduce smog-

forming emissions beginning with 2015 model year vehicles. It is estimated that in 2025, cars will emit 75% less smog-forming pollution than the average new car sold today. To reduce GHG emissions, CARB, in conjunction with the EPA and the NHTSA, adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34% in 2025. The Zero-Emissions Vehicle Program will act as the focused technology of the Advanced Clean Cars Program by requiring manufacturers to produce increasing numbers of zero-emissions vehicles and plug-in hybrid electric vehicles in the 2018 to 2025 model years.

AB 1236. AB 1236 (October 2015) required a city, county, or city and county to approve an application for the installation of EV charging stations, as defined, through the issuance of specified permits, unless the city or county makes specified written findings based upon substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. The bill provided for appeal of that decision to the planning commission, as specified. The bill provided that the implementation of consistent statewide standards to achieve the timely and cost-effective installation of EV charging stations is a matter of statewide concern. The bill required EV charging stations to meet specified standards. The bill required a city, county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for EV charging stations, as specified. The bill also required a city, county, or city and county with a population of less than 200,000 residents to adopt this ordinance by September 30, 2017.

Solid Waste

AB 939, AB 341, and AB 1826. In 1989, AB 939, known as the Integrated Waste Management Act (California Public Resources Code, Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by the year 2000.

AB 341 (Chapter 476, Statutes of 2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by the year 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle conducted several general stakeholder workshops and several focused workshops and in August 2015 published a discussion document titled AB 341 Report to the Legislature, which identifies five priority strategies that CalRecycle believes would assist the state in reaching the 75% goal by 2020, legislative and regulatory recommendations, and an evaluation of program effectiveness (CalRecycle 2012).

AB 1826 (Chapter 727, Statutes of 2014, effective 2016) requires businesses to recycle their organic waste (i.e., food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste) depending on the amount of waste they generate per week. This law also requires local jurisdictions across the state to implement an organic waste recycling program to divert organic waste generated by businesses, including multifamily residential dwellings that consist of five or more units. The minimum threshold of organic waste generation by businesses decreases over time, which means an increasingly greater proportion of the commercial sector will be required to comply.

Water

EO B-29-15. In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives have become permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources has modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increases the requirements for landscape water use efficiency and broadens its applicability to include new development projects with smaller landscape areas.

EO B-37-16. Issued May 2016, EO B-37-16 directed the State Water Resources Control Board (SWRCB) to adjust emergency water conservation regulations through the end of January 2017 to reflect differing water supply conditions across the state. The SWRCB also developed a proposal to achieve a mandatory reduction of potable urban water usage that builds off the mandatory 25% reduction called for in EO B-29-15. The SWRCB and Department of Water Resources will develop new, permanent water use targets that build upon the existing state law requirements that the state achieve 20% reduction in urban water usage by 2020. EO B-37-16 also specifies that the SWRCB permanently prohibit water-wasting practices such as hosing off sidewalks, driveways, and other hardscapes; washing automobiles with hoses not equipped with a shut-off nozzle; using non-recirculated water in a fountain or other decorative water feature; watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and irrigating ornamental turf on public street medians.

Other State Actions

Senate Bill 97. SB 97 (August 2007) directed the Governor’s Office of Planning and Research to develop guidelines under the California Environmental Quality Act (CEQA) for the mitigation of GHG emissions. In 2008, the Office of Planning and Research issued a technical advisory as interim guidance regarding the analysis of GHG emissions in CEQA documents. The advisory indicated that the lead agency should identify and estimate a project’s GHG emissions, including those associated with vehicular traffic, energy consumption, water usage, and construction activities (OPR 2008). The advisory further recommended that the lead agency determine significance of the impacts and impose all mitigation measures necessary to reduce GHG emissions to a level that is less than significant. CNRA adopted the CEQA Guidelines amendments in December 2009, which became effective in March 2010.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4[a]). The CEQA Guidelines require a lead agency to consider the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features or off-site measures. The adopted amendments do not establish a GHG emission threshold, but instead allow a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts. CNRA also acknowledges that a lead agency may consider compliance with regulations or requirements implementing AB 32 in determining the significance of a project’s GHG emissions (CNRA 2009a).

With respect to GHG emissions, the CEQA Guidelines state in Section 15064.4(a) that lead agencies should “make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate” GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either selecting a “model or

methodology” to quantify the emissions or by relying on “qualitative analysis or other performance-based standards” (14 CCR 15064.4[a]). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment: (1) the extent a project may increase or reduce GHG emissions as compared to the existing environmental setting; (2) whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]).

EO S-13-08. EO S-13-08 (November 2008) is intended to hasten California’s response to the impacts of global climate change, particularly sea-level rise. Therefore, the EO directs state agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009 (CNRA 2009b), and an update, Safeguarding California: Reducing Climate Risk, followed in July 2014 (CNRA 2014). To assess the state’s vulnerability, the report summarizes key climate change impacts to the state for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water. Issuance of the Safeguarding California: Implementation Action Plans followed in March 2016 (CNRA 2016). In January 2018, the CNRA released the Safeguarding California Plan: 2018 Update, which communicates current and needed actions that state government should take to build climate change resiliency (CNRA 2018b).

Local

South Coast Air Quality Management District

Air districts typically act in an advisory capacity to local governments in establishing the framework for environmental review of air pollution impacts under CEQA. This may include recommendations regarding significance thresholds, analytical tools to estimate emissions and assess impacts, and mitigations for potentially significant impacts. Although air districts will also address some of these issues on a project-specific basis as responsible agencies, they may provide general guidance to local governments on these issues (SCAQMD 2008). As discussed in Section 4.7.3, Thresholds of Significance (below), the South Coast Air Quality Management District (SCAQMD) has recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential, commercial, industrial, and mixed-use development projects; however, these thresholds were not adopted.

Southern California Association of Governments

SB 375 requires metropolitan planning organizations to prepare and include an SCS in their RTP. The SCAG Regional Council adopted the 2012 RTP/SCS in April 2012 (SCAG 2012), and the 2016–2040 RTP/SCS (2016 RTP/SCS) was adopted in April 2016. Both the 2012 and 2016 RTP/SCSs establish a development pattern for the region that, when integrated with the transportation network and other policies and measures, would reduce GHG emissions from transportation (excluding goods movement). Specifically, the 2012 RTP/SCS links the goals of sustaining mobility with the goals of fostering economic development; enhancing the environment; reducing energy consumption; promoting transportation-friendly development patterns; and encouraging all residents affected by socioeconomic, geographic, and commercial limitations to be provided with fair access. The 2012 and 2016 RTP/SCSs do not require that local general plans, specific plans, or zoning be consistent with it but provide incentives for consistency for governments and developers.

SCAG has developed Connect SoCal, the 2020–2045 RTP/SCS, which is a long-range visioning plan that balances future mobility and housing needs with economic, environmental and public health goals. Connect SoCal charts a

path toward a more mobile, sustainable, and prosperous region by making connections between transportation networks, between planning strategies and between the people whose collaboration can improve the quality of life for Southern Californians. Connect SoCal embodies a collective vision for the region’s future and is developed with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the Counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura. The SCAG 2020–2045 RTP/SCS was adopted on September 3, 2020. The Proposed Final Connect SoCal and its Proposed Final Program Environmental Impact Report is available; however, it has not been adopted by the regional council at this time.

Local Climate Action Plans and GHG Reduction Programs

The Cities of Fullerton, Huntington Beach, La Habra, and Santa Ana, where FMP components are located, have adopted GHG emission reduction plans, such as a CAP, which are summarized below.³ The City of Irvine (where projects 7-65 and 7-66 are partially located) is in the process of developing a CAP; however, no draft is available at the time of writing. The City of Anaheim adopted a municipal Greenhouse Gas Reduction Plan: Sustainable Electric & Water Initiatives in July 2015; however, it only applies to the Anaheim Public Utilities Department and therefore, is not applicable to the FMP.

City of Fullerton

The City of Fullerton adopted the Fullerton CAP as part of The Fullerton Plan EIR (City of Fullerton 2012), which is a long-range plan to reduce GHG emissions from municipal operations and community activities within the City, and would also help the City adapt to effects of climate change. The City committed to reducing its GHG emissions by 15% below 2009 levels by 2020, consistent with AB 32 and state 2020 GHG emission reduction goals. Additionally, the CAP includes strategies aimed at reducing GHG emissions generated within the City. The four reduction strategies are as follows (City of Fullerton 2012):

- **Transportation and Mobility Strategy:** Promote a balanced transportation system that promotes the use of public transportation and bicycles, reduces congestion, and helps encourage residents to engage in healthy and active lifestyles.
- **Energy Use and Conservation Strategy:** Reduce the carbon footprint of municipal operations to serve as a leader for the community and support the construction of buildings that are energy efficient and incorporate clean, renewable energy sources.
- **Water Use and Efficiency Strategy:** Conserve and protect water resources and promote efficiency through public education.
- **Solid Waste Reduction and Recycling Strategy:** Manage solid waste generation and diversion in order to achieve a zero-waste future.

Each of the strategies recommends measures and actions, including the GHG reduction potential if the performance criteria are met. The City’s CAP is qualified under CEQA Guidelines Section 15183.5(b), Tiering and Streamlining the Analysis of GHG Emissions. When determining whether a proposed project is consistent with the CAP, one should consider the consistency of the discretionary project (magnitude and location of growth) with The Fullerton Plan’s year 2030 growth projections, which are the basis of the GHG emissions inventory projects. If the project is consistent with The Fullerton Plan projections, the project is consistent with the CAP.

³ The Cities of Aliso Viejo, Laguna Beach, Laguna Woods, Mission Viejo, and San Clemente in Orange County have also adopted GHG emission reduction plans; however, the FMP projects would not be located within those cities.

City of Huntington Beach

The City of Huntington Beach adopted a Greenhouse Gas Reduction Program (GGRP) as part of its General Plan Update in 2017. The GGRP is the City of Huntington Beach’s comprehensive approach to reduce emissions of GHGs within the community, which establishes Huntington Beach’s existing, projected, and target levels of GHG emissions and identifies how the City can achieve target levels through an extensive set of strategies, emphasizing actions that are voluntary, economically viable, consistent with community character, and advance the priorities of Huntington Beach residents, businesses, and visitors. Huntington Beach’s efforts to reduce GHG emissions are linked to a series of state-level regulations and guidance and the GGRP allows the City of Huntington Beach to maintain consistency with state-level actions at the local level. The GGRP meets the six requirements of CEQA Guidelines Section 15183.5(b), allowing it to serve as a Qualified GHG Reduction Strategy for the City of Huntington Beach.

Policy ERC-5A in the General Plan directs Huntington Beach to reduce its total GHG emissions to 15% below 2005 levels by 2020, and 53.33% below the 2020 target by 2040, placing the community on a trajectory to match the state’s long-term GHG reduction goals. These reduction goals are consistent with the statewide targets for GHG reduction efforts. This GGRP contains a suite of strategies capable of reducing Huntington Beach’s GHG emissions to levels at or below the ones specified in Policy ERC-5A. The City identified 42 GHG reduction strategies, 36 of which have measurable GHG reduction benefits. The other six strategies do not directly lead to measurable reductions, but are supportive of other GHG reduction strategies and provide other benefits to the community. The strategies are divided into the following nine categories: (1) land use, (2) transportation, (3) alternative fuels, (4) renewable energy, (5) energy efficiency, (6) off-road equipment, (7) water and wastewater, (8) resource management, (9) community awareness.

City of La Habra

The City adopted a CAP in January 2014. The CAP was designed under the premise that the City and the community it represents are uniquely capable of addressing emissions associated with sources under the City’s jurisdiction. The City’s CAP acts as a plan to ensure reduction efforts are consistent with the AB 32 2020 target and that the City will be providing GHG reductions locally that will complement state efforts to reduce GHG emissions. One of the goals of the City of La Habra’s CAP is to allow programmatic level review and mitigation of GHG emissions that allows streamlining of CEQA review for subsequent development projects; as such, the CAP framework is designed to fulfill the requirements identified in CEQA Guidelines Section 15183.5(b).

City of Santa Ana

The City of Santa Ana adopted its CAP in December 2015. The CAP includes goals and measures that help move the City of Santa Ana towards becoming a more sustainable City for future generations while mitigating the City’s impacts on the environment. Many of the strategies and measures that will be implemented as part of the CAP aim to reinvest in the community through benefits such as improved air quality, reduced energy and water use, reduced traffic congestion, and other environmental improvements. The CAP includes emission reduction targets of 15% below 2008 by 2020 and 30% below 2008 levels by 2035. The City of Santa Ana CAP does not include a project-level GHG emission reduction target or a tiering mechanism to use for CEQA analyses.

4.7.3 Thresholds of Significance

4.7.3.1 Significance Criteria

The significance criteria used to evaluate the FMP’s impacts to GHG emissions are based on CEQA Guidelines Appendix G. According to Appendix G, a significant impact related to GHG emissions would occur if the project would:

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. There are currently no established thresholds for assessing whether the GHG emissions of a project, such as the proposed FMP, would be considered a cumulatively considerable contribution to global climate change; however, all reasonable efforts should be made to minimize a project’s contribution to global climate change. In addition, while GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008), GHG emissions impacts must also be evaluated at a project level under CEQA.

The CEQA Guidelines do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency’s discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009a). The State of California has not adopted emission-based thresholds for GHG emissions under CEQA. The Governor’s Office of Planning and Research’s Technical Advisory, titled Discussion Draft CEQA and Climate Change Advisory (OPR 2018), states that:

[N]either the CEQA statute nor the CEQA Guidelines prescribe thresholds of significance or particular methodologies for performing an impact analysis. This is left to lead agency judgment and discretion, based upon factual data and guidance from regulatory agencies and other sources where available and applicable. Even in the absence of clearly defined thresholds for GHG emissions, such emissions must be disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact.

Furthermore, the advisory document indicates that “in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a ‘significant impact,’ individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice.” Section 15064.7(c) of the CEQA Guidelines specifies that “when adopting thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence.”

In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008). This guidance document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing

Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO₂e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (see SCAQMD Resolution No. 08-35, December 5, 2008).

The SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, the SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. The SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

- Tier 1** Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.
- Tier 2** Consider whether or not the proposed project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.
- Tier 3** Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO₂e per year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO₂e per year), commercial projects (1,400 MT CO₂e per year), and mixed-use projects (3,000 MT CO₂e per year). Under option 2, a single numerical screening threshold of 3,000 MT CO₂e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.
- Tier 4** Consider whether the project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO₂e per service population per year (MT CO₂e/SP/year) for project level analyses and 6.6 MT CO₂e/SP/year for plan level analyses. The 2035 efficiency targets are 3.0 MT CO₂e/SP/year for project level analyses and 4.1 MT CO₂e/SP/year for plan level analyses. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.
- Tier 5** Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

To determine the FMP's potential to generate GHG emissions that would have a significant impact on the environment, the FMP project's GHG emissions were estimated and then compared to the non-industrial land project quantitative threshold of 3,000 MT CO₂e per year. Per the SCAQMD guidance, construction emissions should be amortized over the operational life of the FMP, which is assumed to be 30 years (SCAQMD 2008). The operational life of the FMP projects are generally anticipated to be greater than 30 years; however, the Orange County Sanitation District (Sanitation District) continues to upgrade, rehabilitate, and replace facilities prior to reaching full anticipated operational life to ensure provision of reliable service to the Sanitation District's service area. Therefore, the 30-year operational life assumption is appropriate and conservative for many projects.

In addition, the FMP was evaluated for its potential to conflict with various GHG emission reduction plans including local GHG reduction plans and CAPs, CARB’s Scoping Plan, SCAG’s RTP/SCS, and statewide 2030 and 2050 GHG reduction targets identified in SB 32 and EO S-3-05.

4.7.3.2 Approach and Methodology

Construction

CalEEMod Version 2016.3.2 was used to estimate emissions generated during construction of each project modeled. For Reclamation Plant No. 1 (Plant 1), all project-level projects (7 projects) and all program-level project (10 projects) were modeled, for a total of 17 model runs. For Treatment Plant No. 2 (Plant 2), all project-level projects (5 projects) and all program-level project (10 projects) were modeled, for a total of 15 model runs. For the joint plant projects, all project-level projects (eight projects) were modeled resulting in a total of six model runs. X-057, X-058, and X-059 were modeled in one run because they are essentially one project; there are no program-level joint plant projects.

For the collection system, all project-level projects (10 projects) were modeled. For the program-level collection system projects, a representative project approach was applied to provide a conservative analysis of collection system projects without modeling each project. The program activities were grouped by type of activity (e.g., pipeline replacement and pump station rehabilitation), and representative projects were identified that would represent the greatest anticipated intensity of daily and annual construction. Construction specifications for each activity would vary depending on the subject site characteristics, improvement needs, and type of proposed rehabilitation or replacement; however, construction activities within the same category are not expected to differ substantially. Because several of the proposed activities address similar issues, the proposed solutions (such as rehabilitation or replacement) include similar procedures, many of which are techniques the Sanitation District has historically used to resolve similar issues, such as aging infrastructure. A total of 9 representative projects were modeled that represent 25 program-level projects, resulting in a total of 19 collection system model runs. For the representative projects, the total estimated GHG emissions from the representative project modeled was apportioned to the year(s) construction would occur based on the estimated percent of construction that would occur in each year.⁴ A summary of the representative projects modeled is as follows:

- **Air Jumpers.** X-078 Air Jumper Additions and Rehabilitation was modeled as 1 air jumper addition project; however, there are 56 air jumper rehabilitation projects. Construction of a maximum of 2 air jumpers could occur in 1 day. The 56 air jumper projects are assumed to be completed over 10 years (from May 2023 to April 2033), ranging from 3 to 6 projects each year.
- **Pipeline Replacement – Open Trench (Cut and Cover) Method.** X-066 Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation was selected to represent pipeline replacement activity using traditional open-trench construction techniques. The following pipeline replacement projects are represented by X-066: X-026 College Avenue Force Main Rehabilitation, X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation, X-068 North Trunk Rehabilitation, and X-084 Tustin Avenue Sewer Relief. X-066 involves 3,819 linear feet of pipeline replacement, and all projects represented by it would require less total linear

⁴ For example, a modeled representative project results in a total of 300 MT CO_{2e} over the total construction duration. A project it represents would be constructed during 2 months in 2025 (20% of the construction duration) and 8 months in 2026 (80% of the construction duration). Accordingly, it was assumed that 60 MT CO_{2e} would occur in 2025 (20% of the representative project construction emissions) and 240 MT CO_{2e} would occur in 2026 (80% of the representative project construction emissions).

feet in total (ranging from 615 linear feet to 1,742 linear feet), but are anticipated to require the same level of daily construction activity (i.e., approximately 100 feet per day).

- **Pipeline Replacement – Open Trench (Unique Project).** X-086 Santa Ana River Sewer Relief includes open-trench pipeline replacement similar to X-066; however, it requires replacement of approximately 14,270 linear feet. While the daily activity (i.e., approximately 100 feet per day) is anticipated to be the same as the pipeline replacement representative projects, the longer duration of construction would result in greater total emissions; therefore, X-086 was modeled separately.
- **Pipeline Replacement – Microtunneling.** One pipeline replacement project, 3-68 Los Alamitos Sub-Trunk Extension, was identified as using the microtunneling construction technique rather than open trench. Accordingly, 3-68 was modeled separately.
- **Pipeline Relining.** Pipeline relining involves less construction intensity (i.e., approximately 200 feet per day) than pipeline replacement and was therefore modeled separately. 7-65 Gisler-Red Hill Interceptor Rehabilitation was selected to represent pipeline relining because it is the longest pipeline reline project (approximately 13,249 linear feet), which also represents 7-66 Sunflower and Red Hill Interceptor Rehab/Repair.
- **Pipeline Replacement and Pipeline Relining.** Some pipeline rehabilitation projects include both pipeline replacement and pipeline relining per the needs of different segments in the pipelines. X-071 Edinger/Springdale Trunk Sewer Rehabilitation was selected to represent pipeline replacement and relining activities because it involves the greatest length of pipeline replaced (approximately 5,264 linear feet) and pipeline relined (approximately 5,750 linear feet), which represents the following projects: 7-68 MacArthur Dual Force Main Improvements, X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation, and X-061 Imperial Highway Relief Interceptor Rehabilitation.
- **Pump Station Rehabilitation.** X-040 College Avenue Pump Station Replacement was identified to represent a typical pump station rehabilitation project, which represents X-024 Rocky Point Pump Station Rehabilitation and X-025 Bitter Point Pump Station Rehabilitation. X-040, X-024, and X-025 are all very similar; however, X-040 was selected to represent pump station rehabilitation because it includes additional minor structural repair.
- **Pump Station Rehabilitation and Pipeline Replacement.** One pump station project, 7-63 MacArthur Pump Station Rehabilitation, also included replacement of two adjacent forcemains and was modeled separately.
- **Pump Station Rehabilitation and Pipeline Relining.** Seven projects were identified as pump station rehabilitation and relining of adjacent pipelines. 7-67 Main Street Pump Station Replacement and Force Main Rehabilitation was selected to represent this combined activity because it involves the greatest length of pipeline relining (approximately 6,000 linear feet); the pump station rehabilitation component is anticipated to be relatively the same across projects. The following projects are represented by the 7-67 model run: X-023 Lido Pump Station Rehabilitation, 11-34 Slater Avenue Pump Station Rehabilitation, 7-64 Main Street Pump Station Rehabilitation, X-022 15th Street Pump Station Rehabilitation, X-041 A Street Pump Station Rehabilitation, and 5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation.

A total of 57 model runs were conducted to represent 75 projects; however, note that X-078 Air Jumper Additions and Rehabilitation involves 56 separate additions or rehabilitations of air jumpers across the Sanitation District service area. A construction assumptions scenario was developed for each of the 57 projects modeled based on the best available project information at this time. Key construction assumptions include phase types, phase timing and duration, off-road equipment use (type, quantify, and hours of operation per day), number of vehicle trips (haul trucks, vendor trucks, and worker vehicles) and trip distance, ground-disturbance acreage, amount of demolition debris, paving area, and square footage to be painted. See Appendix D for construction assumption details.

The selected phase type and duration were based on the best available information including the 2017 FMP and/or project descriptions provided by the Sanitation District. Phase timing and sequencing was considered where two or more phases overlap, the maximum daily emissions was estimated and presented in this analysis.

Off-road equipment emissions were estimated in CalEEMod based on the type of equipment, the number of pieces of each equipment, and the hours of operation. CalEEMod default values for equipment horsepower and load factor were applied; in a few instances, the horsepower was modified to reflect the specific equipment anticipated to be used to more accurately estimate potential emissions.⁵ For most project model runs, the equipment was assumed to be in operation for 8 hours per day, which is the anticipated maximum daily use; in reality, it is anticipated that equipment would be used for less than 8 hours a day when considering mandated worker breaks and that equipment would only be operated when needed. This analysis is therefore conservative. Internal combustion engines used by construction equipment would result in GHG emissions, specifically CO₂ and CH₄.

Emissions from vehicle trips are estimated in CalEEMod based on the number of trips, the trip distance, and emission factors for the vehicle category. Regarding the vehicle categories, and consistent with CalEEMod default values, worker trips are assumed to be passenger vehicles and light-duty trucks, vendor truck trips are assumed to be a mix of medium- and heavy-heavy duty trucks, and haul truck trips are heavy-heavy duty trucks. Haul truck trips were estimated based on the amount of material that needed to be exported off site to a disposal site. All haul trucks were assumed to have a capacity of 16 cubic yards or 20 tons, and would travel 20 miles per each one-way trip. Frank R. Bowerman Landfill (11002 Bee Canyon Access Road, Irvine, California 92602) is located 19 miles from Plant 1 (10844 Ellis Avenue, Fountain Valley, California 92708) and Orange County Hazardous Waste (17121 Nichols Lane, Huntington Beach, California 92647) is located 5 miles from Plant 1; therefore, the 20-mile one-way distance for haul trucks is anticipated to be conservative. In general, the number of needed project workers were estimated based on the number of pieces of equipment and assuming that each piece of equipment would require 1.25 workers in accordance with CalEEMod guidance (CAPCOA 2017). Vendor trucks are anticipated to be minimal because the anticipated construction activities do not require large quantities of building material, if any; however, vendor truck trips were added to phases where material delivery is anticipated or water trucks may be needed. CalEEMod default values for worker trip length (14.7 miles) and vendor truck trip length (6.9 miles) were applied (CAPCOA 2017). Each worker, vendor, and haul truck ~~was~~ were estimated to result in two one-way trips. As with equipment, internal combustion engines used by vehicles would result in GHG emissions, specifically CO₂ and CH₄.

For Plant 1, Plant 2, and the joint plant projects, one or more of the following phases are anticipated for each project, which are further described below: demolition, site preparation, structural rehabilitation, building construction, paving, architectural coating, electrical/instrumentation, and/or testing.

- **Demolition.** Demolition may include removal of structures or asphalt pavement, or removal of equipment for replacement. For each project, the amount of demolition debris was estimated based on best available information such as square footage of the demolition structure/area and type of material (e.g., concrete, asphalt, metal, plastic, and lumber) to ensure that associated emissions were captured. Emission sources associated with demolition include off-road equipment operation and vehicle trips including workers and haul trucks exporting demolition material.
- **Site Preparation.** Since these projects are within the plant boundaries, they are located on developed site conditions and typical site preparation activities such as clearing and grubbing of vegetation and grading are not anticipated. Instead, few projects included site preparation that would entail removing existing asphalt to build a new building where the existing asphalt is located, or adding new asphalt pavement

⁵ For example, for P2-138, the crushing/processing equipment was assumed to be 415 horsepower to reflect a larger crusher than CalEEMod default values assume (i.e., 85 horsepower).

and/or dirt (e.g., grading) over the location of a structure that was demolished during the project. Emission sources associated with site preparation include off-road equipment operation and vehicle trips including workers and haul trucks exporting material.

- **Structural Rehabilitation.** Structural rehabilitation would include concrete structural repair and/or plastic lining/coating needed to maintain or improve the structural integrity of the existing structure. Emission sources associated with structural rehabilitation include off-road equipment operation and vehicle trips including workers vendor trucks delivering material.
- **Building Construction.** In most cases, building construction would include physical construction of structures such as the foundation, structures, and buildings. In some cases, building construction would only include the installation of new equipment. Emission sources associated with building construction include off-road equipment operation and vehicle trips including workers and vendor trucks delivering material.
- **Paving.** Paving, which involves the laying of asphalt or concrete, would occur on projects that require replacing removed pavement or minor repaving activities. Emission sources associated with paving include off-road equipment operation and worker and vendor vehicle trips.
- **Architectural Coating.** Architectural coating would occur on projects that would include building or rehabilitation of structures that would need to be painted on the interior and/or exterior. Architectural coating may also occur on projects that included new asphalt that would need striping or other transportation signage coatings. Emission sources associated with architectural coating include off-road equipment operation, as well as worker and vendor vehicle trips.
- **Electrical/Instrumentation.** Electrical or electrical and instrumentation phases include installing the electrical and instrumentation components associated with new equipment. Emission sources associated with testing include off-road equipment operation and worker vehicle trips.
- **Testing.** Testing occurs on many projects and includes the testing of the repaired or replaced equipment or facility. Emission sources associated with testing include off-road equipment operation and worker vehicle trips.

For the collection system projects, one or more of the following phases are anticipated for each project, which are further described below: pipeline installation, pipeline lining, manhole rehabilitation, demolition, site preparation, structural rehabilitation, building construction, paving, architectural coating, and/or testing.

- **Pipeline Installation.** For replacement pipeline projects, pipeline installation would be accomplished through open-trench construction (except for microtunneling Project 3-68). Pipeline installation is assumed to include trenching, excavation of fill, removal and replacement of the pipeline, and backfill and compaction. The pipeline installation phase was modeled as a “grading” phase to capture dust generated during trenching and excavation. In general, it was assumed that 100 feet per day of pipeline would be installed based on previous pipeline replacement projects. The area of disturbance was calculated based on the total length of the pipeline, the width of the largest pipeline, and additional area to both sides of the pipeline. Emission sources associated with pipeline installation include off-road equipment operation, vehicle trips including workers and haul trucks exporting material, and dust generated by disturbing earth.
- **Pipeline Lining.** Pipeline lining would happen when pipes do not need to be replaced but internal deficiencies (e.g., corroded or cracked pipe) need to be repaired. In general, it was assumed that 200 feet per day of pipeline would be lined based on previous pipeline lining projects. During pipeline lining, no aboveground disturbance would occur. Emission sources associated with pipeline lining include off-road equipment operation and vehicle trips including workers.

- **Manhole Rehabilitation.** Manhole rehabilitation would occur during some of the pipeline projects to repair or rehabilitate manholes along the pipeline.
- **Demolition.** Similar to the plant projects, demolition would occur when a structure would need to be removed and/or equipment would be replaced. The demolition phase would typically occur during the pump station rehabilitation projects. Demolition of existing structures could occur at the end after the new structure, such as a pump station, is built. Emission sources associated with demolition include off-road equipment operation and vehicle trips including workers and haul trucks exporting demolition material.
- **Site Preparation.** As with the plant projects, site preparation activities are anticipated to be minor since these improvements are planned to take place on previously developed sites. Emission sources associated with site preparation include off-road equipment operation and vehicle trips including workers and haul trucks exporting material.
- **Structural Rehabilitation.** Pump station or air jumpers may need concrete repair and/or plastic lining/coating to maintain or improve the structural integrity of the existing structure. Emission sources associated with structural rehabilitation include off-road equipment operation and vehicle trips including workers vendor trucks delivering material.
- **Building Construction.** In some cases, building construction would include physical construction of structures (usually pump stations), including construction of the foundation, structures, and buildings. In other cases, building construction would only include the installation of new equipment (e.g., pumps). Emission sources associated with building construction include off-road equipment operation and vehicle trips including workers and vendor trucks delivering material.
- **Paving.** Paving would occur for every pipeline replacement project and was assumed to occur daily to repave the active areas each day to ensure no trench would be left open, as well as after pipeline installation is complete to provide a smooth, final pavement. For pipeline replacement projects, the number of acres to be paved was calculated based on the total length of the pipeline, the width of the largest pipeline, and additional area on both sides of the pipeline. Emission sources associated with site preparation include off-road equipment operation and worker and vendor vehicle trips.
- **Architectural Coating.** For collection system projects, the majority of the architectural coating would include transportation striping and signage. GHG emission sources associated with architectural coating include off-road equipment operation and worker and vendor vehicle trips.
- **Testing.** Testing includes the testing of the repaired or replaced equipment or facility. The testing phase is anticipated to be relatively standard and would include either a generator set or no equipment and a maximum of three workers (six worker trips). Emission sources associated with testing include off-road equipment operation and worker vehicle trips.

Typical equipment by construction phase is presented in Table 4.7-2. It is important to note that not all projects include all phases of construction and each phase does not necessarily include all of the equipment listed.

Table 4.7-2. Typical Equipment

Construction Phase	Equipment
Plant 1 and Plant 2	
Demolition	Cranes Crushing/processing equipment Excavators Forklifts Generator sets Pumps Rubber-tired dozers Tractors/loaders/backhoes
Site Preparation	Excavators Graders Rubber-tired dozers Tractors/loaders/backhoes
Structural Rehabilitation	Aerial lifts Air compressors Cement and mortar mixers Generator sets Pumps
Building Construction	Aerial lifts Cement and mortar mixers Cranes Forklifts Generator sets Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural Coating	Air compressors
Electrical/Instrumentation	Generator sets
Testing	Generator sets
Joint Plant Projects	
Demolition	Cranes Excavators Pumps Tractors/loaders/backhoes
Site Preparation	Graders Rubber-tired dozers Tractors/loaders/backhoes
Structural Rehabilitation	Air compressors Cement and mortar mixers Generator sets Pumps

Table 4.7-2. Typical Equipment

Construction Phase	Equipment
Building Construction	Aerial lifts Cranes Cement and mortar mixers Forklifts Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural Coating	Air compressors
Electrical	Generator sets
Testing	Generator sets
Collection System Projects	
Pipeline Installation	Concrete/industrial saws Excavators Forklifts Pumps Tractors/loaders/backhoes
Pipeline Lining	Generator sets Pumps
Manhole Rehabilitation	Air compressors Generator sets
Demolition	Aerial lifts Cranes Excavators Forklifts Pumps Rubber-tired dozers Tractors/loaders/backhoes
Site Preparation	Cement and mortar mixers Generator sets Pumps Tractors/loaders/backhoes Rubber-tired dozers
Structural Rehabilitation	Air compressors Cement and mortar mixers Generator sets Pumps
Building Construction	Aerial lifts Air compressors Cement and mortar mixers Cranes Forklifts Generator sets Pumps Tractors/loaders/backhoes Welders

Table 4.7-2. Typical Equipment

Construction Phase	Equipment
Paving	Pavers Paving equipment Rollers
Architectural Coating	Air compressors
Testing	Generator sets

Operation

The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the FMP projects addressed in this program environmental impact report (PEIR) do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Therefore, potential operational GHG emissions are qualitatively evaluated except for a permanent emergency generator at the Seal Beach pump station (3-67), which is quantitatively addressed.

There is an existing temporary emergency diesel-fueled generator at the Seal Beach pump station, which will be replaced with the permanent diesel-fueled emergency generator. Maintenance and testing GHG emissions were estimated for the new emergency generator assuming it would operate up to 50 hours per year for maintenance and testing in accordance with CARB’s Airborne Toxic Control Measure for Stationary Compression Ignition Engines (17 CCR Section 93115) and anticipated SCAQMD permit conditions (SCAQMD Rule 1470 requirements). The 50 hours per year assumption is conservative because based on existing practice, the pump station emergency generators are typically tested for approximately 6 hours per year reflecting a maximum of one-half-hour per day of testing and testing occurring once a month. Testing and maintenance emissions were based on manufacturer’s specifications for a Caterpillar engine model C32 rated at 1,829 horsepower, and emission factors from EPA Engine Certification (2020) for Caterpillar engine LCPXL32.ONZS (EPA 2020b) (as also referenced in the Caterpillar Emergency Engines SCAQMD Certified Equipment Permit List [SCAQMD 2020]) and industry standard emission factors for pollutants not included in the specifications. No emissions from the existing temporary emergency diesel-fueled generator at the Seal Beach pump station were conservatively considered in this analysis.

4.7.4 Impacts Analysis

1. **Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?**

Less-than-Significant Impact. Project generation of GHG emissions during construction and operation is assessed in the following analysis.

Construction

Construction of the FMP projects would result in GHG emissions, which are primarily created by off-road construction equipment and on-road vehicles (haul trucks, vendor trucks, and worker vehicles). The SCAQMD Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008) recommends that, “construction emissions be amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies.” ~~Because the FMP projects are not anticipated to generate a net increase in~~

operational GHG emissions, ~~t~~The total construction GHG emissions were calculated, amortized over 30 years, added to the estimated operational GHG emissions, and then compared with the GHG significance threshold of 3,000 MT CO_{2e} per year.

CalEEMod was used to calculate the annual GHG emissions based on the construction scenario described in Section 4.7.3.2, Approach and Methodology (Construction Emissions). Construction of the project is assumed to take place over approximately 19 years. On-site sources of GHG emissions include off-road equipment and off-site sources including haul trucks, vendor trucks, and worker vehicles. Tables 4.7-3, 4.7-4, 4.7-5, 4.7-6, and 4.7-7 present construction emissions for the project from on-site and off-site emission sources for Plant 1, Plant 2, joint plant projects, collection system, and the entire project, respectively.

Table 4.7-3 presents estimated construction GHG emissions generated during construction of Plant 1 projects.

Table 4.7-3. Plant 1 Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO _{2e}
	Metric Tons per Year			
2023				
P1-135 Digester Ferric Piping Replacement	129.88	0.03	0.00	130.52
<i>Combined Total</i>	<i>129.88</i>	<i>0.03</i>	<i>0.00</i>	<i>130.52</i>
2024				
P1-126 Primary Clarifiers Replacements and Improvements	380.85	0.09	0.00	383.01
X-090 Network, Telecommunications, and Service Relocation	60.13	0.02	0.00	60.55
<i>Combined Total</i>	<i>440.98</i>	<i>0.11</i>	<i>0.00</i>	<i>443.56</i>
2025				
P1-126 Primary Clarifiers Replacements and Improvements	547.93	0.07	0.00	549.63
X-093 Administrative Facilities and Power Building 3A Demolition	38.48	0.01	0.00	38.76
X-077 Switchgear Replacement at Central Generation	9.32	0.00	0.00	9.34
<i>Combined Total</i>	<i>595.73</i>	<i>0.08</i>	<i>0.00</i>	<i>597.73</i>
2026				
P1-126 Primary Clarifiers Replacements and Improvements	436.32	0.07	0.00	438.00
X-093 Administrative Facilities and Power Building 3A Demolition	129.51	0.03	0.00	130.21
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	87.07	0.02	0.00	87.48
<i>Combined Total</i>	<i>652.90</i>	<i>0.12</i>	<i>0.00</i>	<i>655.69</i>
2027				
P1-126 Primary Clarifiers Replacements and Improvements	379.83	0.06	0.00	381.23
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	87.96	0.01	0.00	88.31

Table 4.7-3. Plant 1 Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	229.11	0.07	0.00	230.84
<i>Combined Total</i>	696.90	0.14	0.00	700.38
2028				
P1-126 Primary Clarifiers Replacements and Improvements	45.78	0.01	0.00	45.83
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	396.93	0.04	0.00	397.96
<i>Combined Total</i>	442.71	0.05	0.00	443.79
2029				
X-017 Plant 1 Primary Clarifiers 6-31	137.32	0.02	0.00	137.93
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	174.32	0.01	0.00	174.50
<i>Combined Total</i>	311.64	0.03	0.00	312.43
2030				
X-017 Plant 1 Primary Clarifiers 6-31	174.09	0.01	0.00	174.23
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	67.75	0.00	0.00	67.81
<i>Combined Total</i>	241.84	0.01	0.00	242.04
2031				
P1-127 Central Generation Rehabilitation	33.02	0.00	0.00	33.05
X-017 Plant 1 Primary Clarifiers 6-31	253.69	0.01	0.00	253.90
X-038 City Water Pump Station Rehabilitation	34.19	0.00	0.00	34.22
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	1.26	0.00	0.00	1.26
<i>Combined Total</i>	322.16	0.01	0.00	322.43
2032				
P1-127 Central Generation Rehabilitation	348.98	0.01	0.00	349.27
X-017 Plant 1 Primary Clarifiers 6-31	118.17	0.00	0.00	118.26
X-038 City Water Pump Station Rehabilitation	28.50	0.00	0.00	28.52
X-043 Dissolved Air Flotation Thickener (DAFT) Demolition	203.71	0.01	0.00	203.94
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	62.39	0.00	0.00	62.45
<i>Combined Total</i>	761.75	0.02	0.00	762.44
2033				
P1-127 Central Generation Rehabilitation	19.61	0.00	0.00	19.62
X-017 Plant 1 Primary Clarifiers 6-31	0.67	0.00	0.00	0.67

Table 4.7-3. Plant 1 Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	400.29	0.01	0.00	400.61
<i>Combined Total</i>	<i>420.57</i>	<i>0.01</i>	<i>0.00</i>	<i>420.90</i>
2034				
X-015 Tricking Filters Rehabilitation	267.75	0.01	0.00	267.98
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	285.89	0.01	0.00	286.11
<i>Combined Total</i>	<i>553.64</i>	<i>0.02</i>	<i>0.00</i>	<i>554.09</i>
2035				
X-006 Waste Side-Stream Pump Station 1 Upgrade	65.02	0.00	0.00	65.07
X-015 Tricking Filters Rehabilitation	369.52	0.01	0.00	369.82
<i>Combined Total</i>	<i>434.54</i>	<i>0.01</i>	<i>0.00</i>	<i>434.89</i>
2036				
X-006 Waste Side-Stream Pump Station 1 Upgrade	108.38	0.00	0.00	108.46
X-015 Tricking Filters Rehabilitation	107.44	0.00	0.00	107.52
X-039 Plant Water Pump Station Rehabilitation	29.62	0.00	0.00	29.64
X-079 Primary Scrubber Rehabilitation	287.40	0.01	0.00	287.63
<i>Combined Total</i>	<i>532.84</i>	<i>0.01</i>	<i>0.00</i>	<i>533.25</i>
2037				
X-018 Activated Sludge (AS) 2 Rehabilitation	230.57	0.01	0.00	230.75
X-039 Plant Water Pump Station Rehabilitation	8.13	0.00	0.00	8.14
X-079 Primary Scrubber Rehabilitation	52.02	0.00	0.00	52.06
<i>Combined Total</i>	<i>290.72</i>	<i>0.01</i>	<i>0.00</i>	<i>290.95</i>
2038				
X-018 Activated Sludge (AS) 2 Rehabilitation	267.86	0.01	0.00	268.10
<i>Combined Total</i>	<i>267.86</i>	<i>0.01</i>	<i>0.00</i>	<i>268.10</i>
2039				
X-018 Activated Sludge (AS) 2 Rehabilitation	111.27	0.00	0.00	111.35
<i>Combined Total</i>	<i>111.27</i>	<i>0.00</i>	<i>0.00</i>	<i>111.35</i>
Total				
Total For All Years of Construction	7,083.95	0.65	0.00	7,100.41

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent; RAS = return activated sludge.
See Appendix D for complete results.

4.7 – Greenhouse Gas Emissions

As shown in Table 4.7-3, total estimated GHG emissions generated during construction of Plant 1 projects is approximately 7,100 MT CO₂e.

Table 4.7-4 presents estimated construction GHG emissions generated during construction of Plant 2 projects.

Table 4.7-4. Plant 2 Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2021				
P2-138 Operations and Maintenance Complex at Plant 2	737.27	0.11	0.00	740.01
<i>Combined Total</i>	<i>737.27</i>	<i>0.11</i>	<i>0.00</i>	<i>740.01</i>
2022				
P2-138 Operations and Maintenance Complex at Plant 2	450.84	0.07	0.00	452.59
P2-126 Substation and Warehouse Replacement at Plant 2	399.73	0.05	0.00	401.06
<i>Combined Total</i>	<i>850.57</i>	<i>0.12</i>	<i>0.00</i>	<i>853.65</i>
2023				
P2-126 Substation and Warehouse Replacement at Plant 2	1,282.62	0.15	0.00	1,286.48
<i>Combined Total</i>	<i>1,282.62</i>	<i>0.15</i>	<i>0.00</i>	<i>1,286.48</i>
2024				
P2-126 Substation and Warehouse Replacement at Plant 2	1,434.88	0.16	0.00	1,438.90
X-050 Activated Sludge (AS) Aeration Basin	75.94	0.01	0.00	76.25
<i>Combined Total</i>	<i>1,510.82</i>	<i>0.17</i>	<i>0.00</i>	<i>1,515.15</i>
2025				
P2-126 Substation and Warehouse Replacement at Plant 2	273.43	0.05	0.00	274.70
X-050 Activated Sludge (AS) Aeration Basin	422.26	0.03	0.00	423.03
<i>Combined Total</i>	<i>695.69</i>	<i>0.08</i>	<i>0.00</i>	<i>697.73</i>
2026				
X-032 Truck Loading Facility Rehabilitation	68.10	0.01	0.00	68.47
X-050 Activated Sludge (AS) Aeration Basin	145.07	0.02	0.00	145.57
X-054 Waste Side-Stream Pump Station C Rehabilitation	74.82	0.01	0.00	75.12
<i>Combined Total</i>	<i>287.99</i>	<i>0.04</i>	<i>0.00</i>	<i>289.16</i>
2027				
X-032 Truck Loading Facility Rehabilitation	179.25	0.02	0.00	179.81

Table 4.7-4. Plant 2 Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	143.02	0.03	0.00	143.86
X-050 Activated Sludge (AS) Aeration Basin	32.58	0.00	0.00	32.61
X-054 Waste Side-Stream Pump Station C Rehabilitation	67.66	0.01	0.00	67.82
<i>Combined Total</i>	<i>422.51</i>	<i>0.06</i>	<i>0.00</i>	<i>424.10</i>
2028				
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	6.38	0.00	0.00	6.39
<i>Combined Total</i>	<i>6.38</i>	<i>0.00</i>	<i>0.00</i>	<i>6.39</i>
2031				
P2-119 Central Generation Rehabilitation	18.47	0.00	0.00	18.49
X-007 Waste Side-stream Pump Station 2A Upgrade	205.27	0.02	0.00	205.73
X-036 City Water Pump Station Rehabilitation	23.70	0.00	0.00	23.73
<i>Combined Total</i>	<i>247.44</i>	<i>0.02</i>	<i>0.00</i>	<i>247.95</i>
2032				
P2-119 Central Generation Rehabilitation	510.06	0.02	0.00	510.50
X-007 Waste Side-stream Pump Station 2A Upgrade	303.29	0.05	0.00	304.44
X-036 City Water Pump Station Rehabilitation	43.18	0.00	0.00	43.22
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition	52.82	0.00	0.00	52.88
<i>Combined Total</i>	<i>909.35</i>	<i>0.07</i>	<i>0.00</i>	<i>911.04</i>
2033				
P2-119 Central Generation Rehabilitation	38.91	0.00	0.00	38.94
X-007 Waste Side-stream Pump Station 2A Upgrade	86.85	0.01	0.00	87.06
<i>Combined Total</i>	<i>125.76</i>	<i>0.01</i>	<i>0.00</i>	<i>126.00</i>
2036				
X-014 Tricking Filter Solids-Contact Odor Control	365.65	0.01	0.00	365.94
X-030 Headworks Rehabilitation	82.60	0.00	0.00	82.67
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	125.78	0.00	0.00	125.89

Table 4.7-4. Plant 2 Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
<i>Combined Total</i>	574.03	0.01	0.00	574.50
2037				
X-030 Headworks Rehabilitation	218.87	0.01	0.00	219.06
X-031 Trickling Filter Solids-Contact Rehabilitation	465.71	0.02	0.00	466.10
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	176.91	0.01	0.00	177.04
<i>Combined Total</i>	861.49	0.04	0.00	862.20
2038				
X-030 Headworks Rehabilitation	293.42	0.01	0.00	293.66
X-031 Trickling Filter Solids-Contact Rehabilitation	582.17	0.02	0.00	582.63
<i>Combined Total</i>	875.59	0.03	0.00	876.29
2039				
X-030 Headworks Rehabilitation	29.81	0.00	0.00	29.83
X-031 Trickling Filter Solids-Contact Rehabilitation	586.97	0.02	0.00	587.44
<i>Combined Total</i>	616.78	0.02	0.00	617.27
2040				
X-031 Trickling Filter Solids-Contact Rehabilitation	498.47	0.02	0.00	498.84
<i>Combined Total</i>	498.47	0.02	0.00	498.84
Total				
Total For All Years of Construction	10,502.76	0.95	0.00	10,526.76

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent; RAS = return activated sludge; PEPS = Primary Effluent Pump Station. See Appendix D for complete results.

As shown in Table 4.7-4, total estimated GHG emissions generated during construction of Plant 2 projects is approximately 10,527 MT CO₂e.

Table 4.7-5 presents estimated construction GHG emissions generated during construction of the joint plant projects.

Table 4.7-5. Joint Plant Projects Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2021				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	271.42	0.01	0.00	271.76

Table 4.7-5. Joint Plant Projects Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
<i>Combined Total</i>	271.42	0.01	0.00	271.76
2022				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	320.11	0.02	0.00	320.49
<i>Combined Total</i>	320.11	0.02	0.00	320.49
2023				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	319.21	0.01	0.00	319.56
<i>Combined Total</i>	319.21	0.01	0.00	319.56
2024				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	321.04	0.01	0.00	321.37
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	80.87	0.00	0.00	80.95
J-133 Laboratory Rehabilitation at Plant 1	45.02	0.01	0.00	45.34
<i>Combined Total</i>	446.93	0.02	0.00	447.66
2025				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	319.22	0.01	0.00	319.52
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	319.22	0.01	0.00	319.52
J-133 Laboratory Rehabilitation at Plant 1	115.65	0.03	0.00	116.30
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	444.37	0.03	0.00	445.21
<i>Combined Total</i>	1,198.46	0.08	0.00	1,200.55
2026				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	51.29	0.00	0.00	51.33
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	318.71	0.01	0.00	319.01
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	582.79	0.02	0.00	583.41
<i>Combined Total</i>	952.79	0.03	0.00	953.75

Table 4.7-5. Joint Plant Projects Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2027				
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	318.26	0.01	0.00	318.56
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	153.50	0.01	0.00	153.65
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	581.83	0.02	0.00	582.45
<i>Combined Total</i>	<i>1,053.59</i>	<i>0.04</i>	<i>0.00</i>	<i>1,054.66</i>
2028				
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	316.65	0.01	0.00	316.95
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	111.10	0.01	0.00	111.21
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	578.76	0.02	0.00	579.38
<i>Combined Total</i>	<i>1,006.51</i>	<i>0.04</i>	<i>0.00</i>	<i>1,007.54</i>
2029				
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	237.23	0.01	0.00	237.45
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	580.26	0.02	0.00	580.87
<i>Combined Total</i>	<i>817.49</i>	<i>0.03</i>	<i>0.00</i>	<i>818.32</i>
2030				
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	166.19	0.01	0.00	166.31
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	579.61	0.02	0.00	580.09
<i>Combined Total</i>	<i>745.80</i>	<i>0.03</i>	<i>0.00</i>	<i>746.40</i>
2031				
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	165.99	0.01	0.00	166.11
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	330.09	0.01	0.00	330.34
<i>Combined Total</i>	<i>496.08</i>	<i>0.02</i>	<i>0.00</i>	<i>496.45</i>

Table 4.7-5. Joint Plant Projects Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2032				
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	166.46	0.01	0.00	166.59
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	63.24	0.00	0.00	63.28
<i>Combined Total</i>	<i>229.70</i>	<i>0.01</i>	<i>0.00</i>	<i>229.87</i>
2033				
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	13.33	0.00	0.00	13.34
<i>Combined Total</i>	<i>13.33</i>	<i>0.00</i>	<i>0.00</i>	<i>13.34</i>
2035				
X-044 Steve Anderson Lift Station Rehabilitation	136.34	0.00	0.00	136.46
<i>Combined Total</i>	<i>136.34</i>	<i>0.00</i>	<i>0.00</i>	<i>136.46</i>
2036				
X-044 Steve Anderson Lift Station Rehabilitation	59.46	0.00	0.00	59.50
<i>Combined Total</i>	<i>59.46</i>	<i>0.00</i>	<i>0.00</i>	<i>59.50</i>
Total				
Total For All Years of Construction	8,067.22	0.34	0.00	8,076.31

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent. See Appendix D for complete results.

As shown in Table 4.7-5, total estimated GHG emissions generated during construction of joint plant projects is approximately 8,076 MT CO₂e.

Table 4.7-6 presents estimated construction GHG emissions generated during construction of the collection system projects.

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2021				
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	6.78	0.00	0.00	6.78
5-68 Newport Beach Pump Station Odor Control Improvements	128.85	0.01	0.00	129.16
<i>Combined Total</i>	<i>135.63</i>	<i>0.01</i>	<i>0.00</i>	<i>135.94</i>

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2022				
7-68 MacArthur Dual Force Main Improvements	25.04	0.00	0.00	25.07
5-68 Newport Beach Pump Station Odor Control Improvements	226.52	0.02	0.00	227.06
7-65 Gisler – Red Hill Interceptor Rehabilitation	146.47	0.01	0.00	146.65
7-67 Main Street P5 Force Main Rehabilitation	102.34	0.01	0.00	102.56
<i>Combined Total</i>	<i>500.37</i>	<i>0.04</i>	<i>0.00</i>	<i>501.34</i>
2023				
X-078 Air Jumper Additions and Rehabilitation	6.75	0	0	6.76
7-68 MacArthur Dual Force Main Improvements	225.39	0.01	0.00	225.60
7-65 Gisler – Red Hill Interceptor Rehabilitation	6.78	0.00	0.00	6.78
7-67 Main Street P5 Force Main Rehabilitation	18.73	0.00	0.00	18.75
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	79.64	0.00	0.00	79.72
<i>Combined Total</i>	<i>337.29</i>	<i>0.01</i>	<i>0.00</i>	<i>337.61</i>
2024				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
2-73 Yorba Linda Pump Station Abandonment	164.81	0.04	0.00	165.85
X-060 Newhope Placentia Chemical Dosing Station	121.93	0.02	0.00	122.37
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	449.03	0.02	0.00	449.50
X-082 North Trunk Improvement Project	170.57	0.03	0.00	171.32
<i>Combined Total</i>	<i>919.84</i>	<i>0.11</i>	<i>0.00</i>	<i>922.56</i>
2025				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
2-73 Yorba Linda Pump Station Abandonment	95.81	0.02	0.00	96.24
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	6.73	0.00	0.00	6.74
X-082 North Trunk Improvement Project	22.65	0.00	0.00	22.67
X-083 Greenville – Sullivan Sewer Relief Project	339.49	0.06	0.00	341.04
<i>Combined Total</i>	<i>478.18</i>	<i>0.08</i>	<i>0.00</i>	<i>480.21</i>

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2026				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
11-33 Edinger Pumping Station Replacement	42.01	0.01	0.00	42.23
X-083 Greenville–Sullivan Sewer Relief Project	106.81	0.02	0.00	107.22
<i>Combined Total</i>	162.32	0.03	0.00	162.97
2027				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
11-33 Edinger Pumping Station Replacement	391.95	0.04	0.00	393.03
X-026 College Avenue Force Main Rehabilitation	93.89	0.00	0.00	93.98
<i>Combined Total</i>	499.34	0.04	0.00	500.53
2028				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
11-33 Edinger Pumping Station Replacement	125.65	0.01	0.00	125.87
X-026 College Avenue Force Main Rehabilitation	23.47	0.00	0.00	23.50
2-49 Taft Branch (City of Orange) Sewer Upsize	266.17	0.05	0.00	267.38
<i>Combined Total</i>	428.79	0.06	0.00	430.27
2029				
X-078 Air Jumper Additions and Rehabilitation	11.25	0.00	0.00	11.27
X-063 South Santa Ana River Interceptor Connector Rehabilitation	140.89	0.02	0.00	141.41
<i>Combined Total</i>	152.14	0.02	0.00	152.68
2030				
X-078 Air Jumper Additions and Rehabilitation	11.25	0.00	0.00	11.27
X-071 Edinger / Springdale Trunk Sewer Rehabilitation	135.67	0.01	0.00	135.81
<i>Combined Total</i>	146.92	0.01	0.00	147.08
2031				
X-078 Air Jumper Additions and Rehabilitation	11.25	0.00	0.00	11.27
X-071 Edinger / Springdale Trunk Sewer Rehabilitation	114.76	0.00	0.00	114.86

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
7-63 MacArthur Pump Station Rehabilitation	114.65	0.00	0.00	114.77
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	9.78	0.00	0.00	9.79
X-023 Lido Pump Station Rehabilitation	52.97	0.00	0.00	53.07
11-34 Slater Avenue Pump Station Rehabilitation	37.25	0.00	0.00	37.33
7-64 Main Street Pump Station Rehabilitation	20.18	0.00	0.00	20.22
<i>Combined Total</i>	<i>360.84</i>	<i>0.00</i>	<i>0.00</i>	<i>361.31</i>
2032				
X-078 Air Jumper Additions and Rehabilitation	11.25	0.00	0.00	11.27
7-63 MacArthur Pump Station Rehabilitation	346.53	0.01	0.00	346.88
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	107.58	0.00	0.00	107.69
X-023 Lido Pump Station Rehabilitation	68.10	0.01	0.00	68.24
11-34 Slater Avenue Pump Station Rehabilitation	55.88	0.00	0.00	55.99
7-64 Main Street Pump Station Rehabilitation	60.54	0.01	0.00	60.66
<i>Combined Total</i>	<i>649.88</i>	<i>0.03</i>	<i>0.00</i>	<i>650.73</i>
2033				
X-078 Air Jumper Additions and Rehabilitation	6.75	0.00	0.00	6.76
3-67 Seal Beach Pump Station Replacement	184.88	0.01	0.00	185.05
X-084 Tustin Avenue Sewer Relief	117.36	0.00	0.00	117.48
11-34 Slater Avenue Pump Station Rehabilitation	27.94	0.00	0.00	27.99
7-64 Main Street Pump Station Rehabilitation	40.36	0.00	0.00	40.44
<i>Combined Total</i>	<i>377.29</i>	<i>0.01</i>	<i>0.00</i>	<i>377.72</i>
2034				
3-67 Seal Beach Pump Station Replacement	0.19	0.00	0.00	0.19
X-066 Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation	117.36	0.00	0.00	117.48
X-086 Santa Ana River Sewer Relief	174.11	0.01	0.00	174.30
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	195.65	0.01	0.00	195.84
<i>Combined Total</i>	<i>487.31</i>	<i>0.02</i>	<i>0.00</i>	<i>487.81</i>

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2035				
X-086 Santa Ana River Sewer Relief	226.06	0.01	0.00	226.28
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	54.78	0.00	0.00	54.83
<i>Combined Total</i>	<i>280.84</i>	<i>0.01</i>	<i>0.00</i>	<i>281.11</i>
2036				
X-040 College Ave Pump Station Replacement	65.84	0.00	0.00	65.89
X-061 Imperial Highway Relief Interceptor Rehabilitation	27.83	0.00	0.00	27.85
X-022 15th Street Pump Station Rehabilitation	27.94	0.00	0.00	27.99
X-041 A Street Pump Station Rehabilitation	24.21	0.00	0.00	24.26
X-024 Rocky Point Pump Station Rehabilitation	51.66	0.00	0.00	51.70
<i>Combined Total</i>	<i>197.48</i>	<i>0.00</i>	<i>0.00</i>	<i>197.69</i>
2037				
X-040 College Ave Pump Station Replacement	192.45	0.01	0.00	192.60
X-061 Imperial Highway Relief Interceptor Rehabilitation	222.60	0.01	0.00	222.82
X-068 North Trunk Rehabilitation	117.36	0.00	0.00	117.48
X-022 15th Street Pump Station Rehabilitation	93.13	0.01	0.00	93.32
X-041 A Street Pump Station Rehabilitation	96.86	0.01	0.00	97.05
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	103.77	0.01	0.00	103.98
X-024 Rocky Point Pump Station Rehabilitation	206.63	0.01	0.00	206.79
X-025 Bitter Point Pump Station Rehabilitation	189.41	0.01	0.00	189.56
<i>Combined Total</i>	<i>1,222.21</i>	<i>0.07</i>	<i>0.00</i>	<i>1,223.60</i>
2038				
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	17.30	0.00	0.00	17.33
X-025 Bitter Point Pump Station Rehabilitation	68.88	0.00	0.00	68.93
<i>Combined Total</i>	<i>86.18</i>	<i>0.00</i>	<i>0.00</i>	<i>86.26</i>
Total				
Total For All Years of Construction	7,422.85	0.55	0.00	7,437.42

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent. See Appendix D for complete results.

As shown in Table 4.7-6, total estimated GHG emissions generated during construction of collection system projects is approximately 7,437 MT CO₂e.

Table 4.7-7 presents estimated construction GHG emissions generated during construction of the entire project in each year, including the Plant 1, Plant 2, joint plant, and collection system projects.

Table 4.7-7. Combined Projects Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2021				
Plant 1	0.00	0.00	0.00	0.00
Plant 2	737.27	0.11	0.00	740.01
Joint Plant	271.42	0.01	0.00	271.76
Collection System	135.63	0.01	0.00	135.94
<i>Combined Total</i>	<i>1,144.32</i>	<i>0.13</i>	<i>0.00</i>	<i>1,147.71</i>
2022				
Plant 1	0.00	0.00	0.00	0.00
Plant 2	850.57	0.12	0.00	853.65
Joint Plant	320.11	0.02	0.00	320.49
Collection System	500.37	0.04	0.00	501.34
<i>Combined Total</i>	<i>1,671.05</i>	<i>0.18</i>	<i>0.00</i>	<i>1,675.48</i>
2023				
Plant 1	129.88	0.03	0.00	130.52
Plant 2	1,282.62	0.15	0.00	1,286.48
Joint Plant	319.21	0.01	0.00	319.56
Collection System	337.29	0.01	0.00	337.61
<i>Combined Total</i>	<i>2,069.00</i>	<i>0.20</i>	<i>0.00</i>	<i>2,074.17</i>
2024				
Plant 1	412.91	0.10	0.00	415.43
Plant 2	1,510.82	0.17	0.00	1,515.15
Joint Plant	446.93	0.02	0.00	447.66
Collection System	919.84	0.11	0.00	922.56
<i>Combined Total</i>	<i>3,318.57</i>	<i>0.41</i>	<i>0.00</i>	<i>3,328.93</i>
2025				
Plant 1	559.13	0.08	0.00	561.10
Plant 2	695.69	0.08	0.00	697.73
Joint Plant	1,198.46	0.08	0.00	1,200.55
Collection System	478.18	0.08	0.00	480.21
<i>Combined Total</i>	<i>2,968.06</i>	<i>0.32</i>	<i>0.00</i>	<i>2,976.22</i>
2026				
Plant 1	621.85	0.12	0.00	624.62
Plant 2	287.99	0.04	0.00	289.16
Joint Plant	952.79	0.03	0.00	953.75
Collection System	162.32	0.03	0.00	162.97
<i>Combined Total</i>	<i>2,056.00</i>	<i>0.22</i>	<i>0.00</i>	<i>2,061.57</i>

Table 4.7-7. Combined Projects Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
2027				
Plant 1	670.98	0.13	0.00	674.43
Plant 2	422.51	0.06	0.00	424.10
Joint Plant	1,053.59	0.04	0.00	1,054.66
Collection System	499.34	0.04	0.00	500.53
<i>Combined Total</i>	<i>2,672.34</i>	<i>0.28</i>	<i>0.00</i>	<i>2,679.67</i>
2028				
Plant 1	440.37	0.05	0.00	441.44
Plant 2	6.38	0.00	0.00	6.39
Joint Plant	1,006.51	0.04	0.00	1,007.54
Collection System	428.79	0.06	0.00	430.27
<i>Combined Total</i>	<i>1,884.39</i>	<i>0.15</i>	<i>0.00</i>	<i>1,887.99</i>
2029				
Plant 1	311.64	0.03	0.00	312.43
Plant 2	0.00	0.00	0.00	0.00
Joint Plant	817.49	0.03	0.00	818.32
Collection System	152.14	0.02	0.00	152.68
<i>Combined Total</i>	<i>1,281.27</i>	<i>0.08</i>	<i>0.00</i>	<i>1,283.43</i>
2030				
Plant 1	241.84	0.01	0.00	242.04
Plant 2	0.00	0.00	0.00	0.00
Joint Plant	745.80	0.03	0.00	746.40
Collection System	146.92	0.01	0.00	147.08
<i>Combined Total</i>	<i>1,134.56</i>	<i>0.05</i>	<i>0.00</i>	<i>1,135.52</i>
2031				
Plant 1	322.16	0.01	0.00	322.43
Plant 2	247.44	0.02	0.00	247.95
Joint Plant	496.08	0.02	0.00	496.45
Collection System	360.84	0.00	0.00	361.31
<i>Combined Total</i>	<i>1,426.52</i>	<i>0.05</i>	<i>0.00</i>	<i>1,428.14</i>
2032				
Plant 1	761.75	0.02	0.00	762.44
Plant 2	909.35	0.07	0.00	911.04
Joint Plant	229.70	0.01	0.00	229.87
Collection System	649.88	0.03	0.00	650.73
<i>Combined Total</i>	<i>2,550.68</i>	<i>0.13</i>	<i>0.00</i>	<i>2,554.08</i>
2033				
Plant 1	420.57	0.01	0.00	420.90
Plant 2	125.76	0.01	0.00	126.00
Joint Plant	13.33	0.00	0.00	13.34

Table 4.7-7. Combined Projects Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
Collection System	377.29	0.01	0.00	377.72
<i>Combined Total</i>	936.95	0.03	0.00	937.96
2034				
Plant 1	553.64	0.02	0.00	554.09
Plant 2	0.00	0.00	0.00	0.00
Joint Plant	0.00	0.00	0.00	0.00
Collection System	487.31	0.02	0.00	487.81
<i>Combined Total</i>	1,040.95	0.04	0.00	1,041.90
2035				
Plant 1	434.54	0.01	0.00	434.89
Plant 2	0.00	0.00	0.00	0.00
Joint Plant	136.34	0.00	0.00	136.46
Collection System	280.84	0.01	0.00	281.11
<i>Combined Total</i>	851.72	0.02	0.00	852.46
2036				
Plant 1	532.84	0.01	0.00	533.25
Plant 2	574.03	0.01	0.00	574.50
Joint Plant	59.46	0.00	0.00	59.50
Collection System	197.48	0.00	0.00	197.69
<i>Combined Total</i>	1,363.81	0.02	0.00	1,364.94
2037				
Plant 1	290.72	0.01	0.00	290.95
Plant 2	861.49	0.04	0.00	862.20
Joint Plant	0.00	0.00	0.00	0.00
Collection System	1,222.21	0.07	0.00	1,223.60
<i>Combined Total</i>	2,374.42	0.12	0.00	2,376.75
2038				
Plant 1	267.86	0.01	0.00	268.10
Plant 2	875.59	0.03	0.00	876.29
Joint Plant	0.00	0.00	0.00	0.00
Collection System	86.18	0.00	0.00	86.26
<i>Combined Total</i>	1,229.63	0.04	0.00	1,230.65
2039				
Plant 1	111.27	0.00	0.00	111.35
Plant 2	616.78	0.02	0.00	617.27
Joint Plant	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00
<i>Combined Total</i>	728.05	0.02	0.00	728.62
2040				
Plant 1	0.00	0.00	0.00	0.00
Plant 2	498.47	0.02	0.00	498.84

Table 4.7-7. Combined Projects Estimated Annual Construction GHG Emissions

Project	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
Joint Plant	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00
<i>Combined Total</i>	<i>498.47</i>	<i>0.02</i>	<i>0.00</i>	<i>498.84</i>
Total				
Total For All Years of Construction	33,200.76	2.51	0.00	33,265.03
Amortized Over 30 Years				1,108.83
<i>GHG Emissions Threshold</i>				<i>3,000</i>
Threshold Exceeded?				No

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent. See Appendix D for complete results.

As shown in Table 4.7-7, the estimated total GHG emissions during construction of the entire project would total approximately 33,265 MT CO₂e over the assumed 19-year construction period. Estimated project-generated construction emissions amortized over 30 years would be approximately 1,109 MT CO₂e per year, ~~which would not exceed the recommended SCAQMD threshold of 3,000 MT CO₂e per year.~~ As noted earlier, the expected lifetime of the FMP projects is anticipated to be greater than 30 years; however, 30 years is an appropriate assumption as many facilities are replaced prior to reaching full anticipated lifetime to maintain reliable service. Nonetheless, because the project would be buildout over a 19-year time period, assuming a lifetime of 19 years, estimated amortized project-generated construction emissions amortized would be approximately 1,751 MT CO₂e per year, ~~which is also below the 3,000 MT CO₂e per year threshold.~~

Because there is no separate GHG threshold for construction, the evaluation of significance should consider project operation. ~~However, as explained below, the project is not anticipated to result in a net increase in operational GHG emissions. The impact determination is therefore based on the GHG emissions presented in Table 4.7-7 and, as shown, amortized construction emissions over 30 years would not exceed the recommended SCAQMD threshold of 3,000 MT CO₂e per year.~~

Operation

For land use development projects, typical GHG emissions that may be generated are associated with area sources (landscape maintenance equipment), energy (natural gas and electricity), mobile sources (vehicles), solid waste, water and wastewater, and potentially stationary sources. The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the projects addressed in this PEIR do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Accordingly, operation of the FMP projects is not anticipated to generate an increase in GHG emissions from area, energy, mobile, solid waste, water/wastewater, or stationary sources, with the exception of the Seal Beach pump station emergency generator, as further described below.

Plant 1 includes various replacement and rehabilitation projects, with only one project (X-090) including construction of a structure. X-090, Network, Telecommunications, and Server Relocation at Plant 1, includes the construction of an approximately 200-square-foot utility building to house Sanitation District network, telecommunications, and servers, which would not result in typical building GHG emissions such as electricity, water supply, and solid waste.

Similar to Plant 1, Plant 2 includes various replacement and rehabilitation projects, with only P2-126 and P2-138 including structural replacements. For P2-126, Substation and Warehouse Replacement at Plant 2, the existing 21,000-square-foot warehouse would be demolished and reconstructed in a new location, which is anticipated to be larger (approximately 30,100 square feet) as some outdoor storage may be moved to indoor storage. While the new warehouse would be larger in size, it is not anticipated to generate substantially greater electricity, natural gas, or water use and is anticipated to have increased energy efficiency compared to the existing building. P2-126 also includes replacement of a Southern California Edison substation and replacement of a service center (approximately 3,100 square feet), both of which are anticipated to be approximately the same size as the existing structures and would not result in a net increase in operational GHG emissions at these structures because they will primarily house electrical systems and equipment. P2-138, Operations and Maintenance Complex at Plant 2, would demolish the existing building and guard shack totaling 36,680 square feet and construct a new building (35,700 square feet) and new guard shack (200 square feet). Overall, the new structures would be slightly less square footage than the existing structures and would increase in building energy efficiency; therefore, this project would not result in an increase in GHG emissions.

The Joint Plant projects primarily consist of improvements of plantwide electrical and control systems; however, J-133 would result in a new structure. For J-133, Laboratory Rehabilitation or Replacement at Plant 1, the existing 40,000-square-foot laboratory building located at Plant 1 would be rehabilitated or replaced; however, for modeling purposes, it was assumed to be replaced by a new 40,000-square-foot laboratory building. The replacement J-133 building would be the same size, but since it would be built consistent with current building codes, including the 2019 Title 24 building energy efficiency standards, it is anticipated to be more energy efficient than the existing building. Equipment layout and future operation at the laboratory will continue to follow existing and future regulatory requirements for wastewater testing.

For the collection system projects, which primarily consist of replacement or rehabilitation of pipelines and pump stations, once the replacement or rehabilitation is complete, no routine operational activity⁶ or associated GHG emissions would occur. X-060, Newhope Placentia Chemical Dosing Station, includes removal of an existing pump station and construction of a new chemical dosing station at the abandoned pump station site. The chemical dosing station is anticipated to be small (less than 100 square feet) and would not generate GHG emissions typical of building operation since it will primarily house chemicals.

As previously mentioned, no projects under the FMP are anticipated to require additional Sanitation District personnel. To the extent feasible, replacement and rehabilitation projects would assist in improving energy efficiency, which would reduce energy-related (electricity and natural gas) GHG emissions. Therefore, implementation of the project is not anticipated to generate an increase in operational GHG emissions compared to existing conditions and may reduce energy-related GHG emissions with the exception of the Seal Beach pump station emergency generator.

As noted under Section 4.7.3.2, Approach and Methodology, the existing temporary diesel-fueled emergency generator at the Seal Beach pump station (3-67) would be replaced with a permanent diesel-fueled emergency generator. Estimated GHG emissions from testing and maintenance for the permanent diesel-fueled emergency generator are presented in Table 4.7-8. Note that the existing temporary emergency generator testing GHG emissions that the permanent emergency generator would replace are conservatively not accounted for.

⁶ Maintenance may occur for collection system projects; however, maintenance activities would be infrequent and would not represent a routine daily activity that would be a source of long-term GHG emissions.

Table 4.7-8 Estimated Annual Operational GHG Emissions

Emission Source	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
3-67 Emergency generator testing (stationary)	47.70	0.01	0.01	51.62
Total	47.70	0.01	0.01	51.62
<i>Amortized construction emissions</i>				1,108.83
Total operational + amortized construction GHGs				1,160.45
<u>GHG Emissions Threshold</u>				<u>3,000</u>
Threshold Exceeded?				No

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent. See Appendix D for complete results. Totals may not sum due to rounding.

As shown in Table 4.7-8, estimated annual operational emissions from emergency generator testing plus amortized construction emissions over 30 years would not exceed the recommended SCAQMD threshold of 3,000 MT CO₂e per year.

Summary

As discussed under construction and operation, and shown in Table 4.7-8, amortized project-generated construction emissions plus annual operational emissions would not exceed the recommended 3,000 MT CO₂e per year SCAQMD threshold, and the project would not result in a net increase in operational GHG emissions. Therefore, GHG emissions impacts would be less than significant.

2. Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

Less-than-Significant Impact. The FMP’s potential to conflict with an applicable plan, policy, or regulation is analyzed below.

Project Consistency with Local Greenhouse Gas Emission Reduction Plans

As explained previously, the FMP includes components that are within cities that have adopted GHG emission reduction plans, such as CAPs. The focus of GHG emission reduction plans is on long-term sources of GHG emissions rather than short-term construction. In addition, GHG reduction measures are primarily aimed at new and existing land use development and local-level municipal operations and are generally not applicable to utilities or projects undertaken by the Sanitation District. The Sanitation District understands the importance of consistency with the goals and policies identified within local jurisdictions’ general plans and other local ordinances/plans, such as GHG reduction plans and CAPs; however, per California Government Code Section 53091, the Sanitation District, as a wastewater treatment facility, is exempt from local building ordinances. As part of standard practice, the Sanitation District would coordinate with local jurisdictions to the extent feasible during proposed FMP implementation to avoid and/or minimize potential impacts from the proposed FMP. The proposed FMP is intended to maintain, repair, and improve existing infrastructure, as necessary, to ensure the reliability of the Sanitation District’s water conveyance and treatment system. Overall, the proposed FMP, which is a maintenance program, is not anticipated to conflict with any applicable land use plans, policies, or regulations of local agencies. Nonetheless, for disclosure, the FMP’s potential to conflict with local adopted GHG reduction plans is evaluated below.

City of Fullerton

The City of Fullerton’s 2012 CAP identifies a series of climate action strategies that guide the City in four focus areas: transportation and mobile strategy, energy and conservation strategy, water use and efficiency strategy, and solid waste and recycling strategy (City of Fullerton 2012). However, the measures outlined in the CAP are not directly applicable to individual projects and mainly are intended for the City to implement.

FMP project components located within the City of Fullerton include 2-73, X-060, and X-078. 2-73 involves abandonment of the Yorba Linda Pump Station and downstream forcemain and the related X-060 will add a chemical dosing station at the site of the abandoned Yorba Linda Pump Station. X-078 involves air jumper addition or rehabilitation. Implementation of the FMP projects within the City of Fullerton would not conflict with the CAP transportation/mobility, energy, water, and solid waste GHG emission reduction strategies as they would involve temporary construction activity and would not result in long-term, operational GHG emissions that are typical of land use development projects. In addition, consistency with the City of Fullerton’s CAP can be determined if the FMP is consistent with The Fullerton Plan’s year 2030 growth projections. Because the project would not result in growth within the City, the FMP would be consistent with the growth projections. As such, the FMP would not conflict with the City of Fullerton’s CAP.

City of Huntington Beach

The City of Huntington Beach GGRP includes GHG reduction strategies grouped into nine categories: (1) land use, (2) transportation, (3) alternative fuels, (4) renewable energy, (5) energy efficiency, (6) off-road equipment, (7) water and wastewater, (8) resource management, and (9) community awareness. Specifically, the renewable energy grouping includes a strategy to expand the number of solar energy systems on new and existing nonresidential buildings and a strategy to transition to zero-net-energy buildings for all new construction in support of state mandates, and energy efficiency strategies include nonresidential retrofits and electrification. The off-road equipment strategies include alternative fuel construction equipment (hybrid-electric, natural gas, and biodiesel). Strategies related to transportation and alternative-fueled vehicles would not apply to the FMP because there would be no operation net increase in Sanitation District staff or associated vehicle trips.

FMP project components located within the City of Huntington Beach⁷ include 11-33, 11-34, J-121, P2-126, P2-138, X-007, X-032, X-036, X-037, X-050, X-054, X-071, and X-078. Projects 11-33 and 11-34 involve pump station replacement, X-036 involves pump station rehabilitation, X-037 involves pump station demolition, X-007 involves waste side-stream pump station upgrades, and X-054 involves waste side-stream pump station rehabilitation. Project X-032 involves rehabilitation of an existing truck loading facility, X-050 includes rehabilitation of the Plant 2 activated sludge aeration basin, X-071 involves truck sewer rehabilitation, X-078 involves air jumper addition or rehabilitation, and J-121 involves uninterruptible power system (UPS) system upgrades. P2-126 involves substation, service center, and warehouse replacement, and P2-138 involves an operations and maintenance complex at Plant 2; both include replacement buildings or smaller structural enclosures.

Projects 11-33, 11-34, J-121, X-007, X-032, X-036, X-037, X-050, X-054, X-071, and X-078 do not include new structures or long-term operational GHG emissions; however, all would result in temporary construction GHG

⁷ The following projects are located within the unincorporated area of Huntington Beach and therefore, are not within the City of Huntington Beach’s jurisdiction: P2-119, X-014, X-030, X-031, X-034, and X-052.

emissions. The City’s off-road GHG reduction strategies include the use of hybrid and alternative fuel construction equipment for large projects. To the extent hybrid-electric, natural gas, and biodiesel equipment becomes more readily available in construction fleets, the Sanitation District will use such equipment for construction activities. Projects P2-126 and P2-138 would replace existing buildings and structures with buildings and structures of equal or similar size, which would be more energy efficient than the existing buildings and structures. As explained under the qualitative operational emissions analysis, neither P2-126 nor P2-138 are anticipated to result in a substantial increase on operational activity and associated GHG emissions. Accordingly, the P2-126 and P2-138 would not conflict with the City of Huntington Beach’s GGRP strategies related to energy. Overall, the FMP is not anticipated to conflict with the City of Huntington Beach’s GGRP.

City of La Habra

The City of La Habra’s 2016 CAP includes various GHG emission reduction measures related to transportation (vehicle miles traveled [VMT] reduction, alternative fuels, and bicycle infrastructure), energy (energy efficiency for new development and retrofits, and renewable energy), area source (electric landscape equipment, tree planting, and urban heat island reduction), water (water use reduction and water efficiency), and solid waste (waste diversion, landfill energy, and waste education).

FMP project components located within the City of La Habra include X-061 and X-078. X-061 includes replacing and rehabilitating sewer pipe along Imperial Highway and X-078 involves air jumper addition or rehabilitation. Both X-061 and X-078 involve temporary construction activity and would not represent a long-term source of GHG emissions that would conflict with the City of La Habra’s CAP. In addition, the City of La Habra’s GHG emission reduction measures would not apply as they are focused on typical land use development. To demonstrate consistency with the City of La Habra’s CAP, projects would have to incorporate measures that address the following broad categories of GHG emissions sources: electricity use and use of fossil-fuel based generation for heating, water use, and mobile sources. Because the FMP projects within the City of La Habra’s city limits would not result in electricity, heating, or water demand or generate mobile source emissions, no reductions would be necessary. As such, the FMP would not conflict with the City of La Habra’s CAP.

City of Santa Ana

The City of Santa Ana’s 2015 CAP includes reduction measures focused on transportation, land use, energy, solid waste, water, and wastewater. Regarding transportation and land use, the City of Santa Ana’s CAP includes measures related to development of local retail nodes, placement of residential nodes near retail and employment, traffic signal synchronization, end of trip facilities, safe routes to school, bike/pedestrian/transit connectivity, bike sharing, and municipal operations. Energy measures include Property Assessed Clean Energy financing, solar photovoltaic, weatherization, streetlight retrofits, benchmarking and retrocommissioning, Title 24 energy efficiency for commercial and residential, green business challenge, and municipal operations measures. Solid waste, water, and wastewater CAP measures include AB 341 commercial and multifamily recycling, food waste digestion, rainwater harvesting, and turf removal.

FMP project components located either entirely or within a portion of the City of Santa Ana are 7-66, X-078, X-083, and X-084. Project 7-66 would repair plastic liner failures of the Sunflower and Red Hill interceptors, X-083 includes replacement of pipe with a large-diameter pipe along the Greenville–Sullivan regional sewer, X-084 would replace and upsize approximately pipe to increase the capacity of the West Trunk regional sewer, and X-078 involves air jumper addition or rehabilitation. None of the City of Santa Ana CAP

reduction measures would apply to the FMP project components within the City because they would result in temporary GHG emissions generated during construction, but would not result in long-term operational GHG emissions. Accordingly, the FMP would not conflict with the City of Santa Ana’s CAP.

Project Consistency with CARB’s Scoping Plan

The Scoping Plan (approved by CARB in 2008 and updated in 2014 and 2017) provides a framework for actions to reduce California’s GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations.⁸ Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., LCFS), among others. Accordingly, the Scoping Plan measures focus on reducing long-term operational GHG emissions rather than short-term construction GHG emissions.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California’s GHG emissions. Table 4.7-98 highlights measures that have been, or will be, developed under the Scoping Plan and presents the FMP’s consistency with Scoping Plan measures. The FMP would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law and to the extent that they are applicable to the FMP.

Table 4.7-98. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
<i>Transportation Sector</i>		
Advanced Clean Cars	T-1	<i>No conflict.</i> The FMP would not result in a net increase in operational vehicle trips.
Low Carbon Fuel Standard	T-2	<i>No conflict.</i> This is a statewide measure that cannot be implemented by a project applicant or lead agency.
Regional Transportation-Related GHG Targets	T-3	<i>Not applicable.</i> The FMP is not related to developing GHG emission reduction targets. The project would not preclude the implementation of this strategy.
Advanced Clean Transit	N/A	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Last-Mile Delivery	N/A	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Reduction in VMT	N/A	<i>Not applicable.</i> The FMP would not result in a net increase in operational vehicle trips and the project

⁸ The Final Statement of Reasons for the amendments to the State CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that “[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan” (CNRA 2009a).

Table 4.7-98. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
		would not prevent CARB from implementing this measure.
Vehicle Efficiency Measures 1. Tire Pressure 2. Fuel Efficiency Tire Program 3. Low-Friction Oil 4. Solar-Reflective Automotive Paint and Window Glazing	T-4	<i>No conflict.</i> The FMP would not result in a net increase in operational vehicle trips. In addition, the Project would not prevent CARB from implementing this measure.
Ship Electrification at Ports (Shore Power)	T-5	<i>Not applicable.</i> The FMP is not located within a Port district. In addition, the FMP would not prevent CARB from implementing this measure.
Goods Movement Efficiency Measures 1. Port Drayage Trucks 2. Transport Refrigeration Units Cold Storage Prohibition 3. Cargo Handling Equipment, Anti-Idling, Hybrid, Electrification 4. Goods Movement Systemwide Efficiency Improvements 5. Commercial Harbor Craft Maintenance and Design Efficiency 6. Clean Ships 7. Vessel Speed Reduction	T-6	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Heavy-Duty Vehicle GHG Emission Reduction <ul style="list-style-type: none"> • Tractor-Trailer GHG Regulation • Heavy-Duty Greenhouse Gas Standards for New Vehicle and Engines (Phase I) 	T-7	<i>No conflict.</i> The FMP would not result in an increase in operational heavy-duty vehicle trips. During construction, heavy-duty truck use would be temporary. In addition, the project would not prevent CARB from implementing this measure.
Medium- and Heavy-Duty Vehicle Hybridization Voucher Incentive Proposed Project	T-8	<i>No conflict.</i> The FMP would not result in an increase in operational medium- or heavy-duty vehicle trips. In addition, the FMP would not prevent CARB from implementing this measure.
Medium and Heavy-Duty GHG Phase 2	N/A	<i>Not applicable.</i> The FMP would not result in an increase in operational medium- or heavy-duty vehicle trips. The FMP would not prevent CARB from implementing this measure.
High-Speed Rail	T-9	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Electricity and Natural Gas Sector		
Energy Efficiency Measures (Electricity)	E-1	<i>No conflict.</i> The FMP is not anticipated to result in a net increase in operational electricity use. However, the FMP replacement buildings would comply with the current Title 24 Building Energy Efficiency Standards, which is anticipated to improve energy efficiency and reduce electricity use. In addition, the

Table 4.7-98. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
		FMP would not prevent CARB from implementing this measure.
Energy Efficiency (Natural Gas)	CR-1	<i>No conflict.</i> The FMP is not anticipated to result in a net increase in operational natural gas use. However, the FMP replacement buildings would comply with the current Title 24 Building Energy Efficiency Standards, which is anticipated to improve energy efficiency and reduce natural gas use. In addition, the FMP would not prevent CARB from implementing this measure.
Solar Water Heating (California Solar Initiative Thermal Program)	CR-2	<i>No conflict.</i> The majority of the FMP project components do not require hot water and the project replacement buildings are not anticipated to require substantial amounts of hot water to make solar water heating feasible.
Combined Heat and Power	E-2	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Renewables Portfolio Standard (33% by 2020)	E-3	<i>No conflict.</i> The FMP is not anticipated to result in a net increase in operational electricity use. Electricity use during construction is anticipated to be minimal and temporary, but would benefit from Southern California Edison meeting the RPS.
Renewables Portfolio Standard (50% by 2050)	N/A	<i>No conflict.</i> The FMP is not anticipated to result in a net increase in operational electricity use. Electricity use during construction is anticipated to be minimal and temporary, but would benefit from Southern California Edison meeting the RPS.
SB 1 Million Solar Roofs (California Solar Initiative, New Solar Home Partnership, Public Utility Programs) and Earlier Solar Programs	E-4	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure. As the majority of the FMP components are for wastewater infrastructure projects, installation of solar would not be feasible.
Water Sector		
Water Use Efficiency	W-1	<i>No conflict.</i> The FMP would not prevent CARB from implementing this measure. The FMP includes wastewater infrastructure projects, so water use efficiency is not relevant.
Water Recycling	W-2	<i>No conflict.</i> The FMP would not prevent CARB from implementing this measure.
Water System Energy Efficiency	W-3	<i>No conflict.</i> The FMP would not prevent CARB from implementing this measure.
Reuse Urban Runoff	W-4	<i>No conflict.</i> The FMP would not prevent CARB from implementing this measure.
Renewable Energy Production	W-5	<i>No conflict.</i> The FMP would not prevent CARB from implementing this measure. Because the majority of the FMP project components include wastewater

Table 4.7-98. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
		infrastructure rehabilitation and replacement, renewable energy production is not feasible.
Green Buildings		
State Green Building Initiative: Leading the Way with State Buildings (Greening New and Existing State Buildings)	GB-1	<i>No conflict.</i> The FMP’s replacement buildings would be required to be constructed in compliance with state or local green building standards in effect at the time of building construction.
Green Building Standards Code (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	<i>No conflict.</i> The FMP’s replacement buildings would meet green building standards that are in effect at the time of design and construction.
Beyond Code: Voluntary Programs at the Local Level (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	<i>No conflict.</i> The FMP’s replacement buildings would meet green building standards that are in effect at the time of design and construction.
Greening Existing Buildings (Greening Existing Homes and Commercial Buildings)	GB-1	<i>Not applicable.</i> This is applicable for existing buildings only.
Industry Sector		
Energy Efficiency and Co-Benefits Audits for Large Industrial Sources	I-1	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Oil and Gas Extraction GHG Emission Reduction	I-2	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Reduce GHG Emissions by 20% in Oil Refinery Sector	N/A	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
GHG Emissions Reduction from Natural Gas Transmission and Distribution	I-3	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Refinery Flare Recovery Process Improvements	I-4	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Work with the Local Air Districts to Evaluate Amendments to Their Existing Leak Detection and Repair Rules for Industrial Facilities to Include Methane Leaks	I-5	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Recycling and Waste Management Sector		
Landfill Methane Control Measure	RW-1	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Increasing the Efficiency of Landfill Methane Capture	RW-2	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Mandatory Commercial Recycling	RW-3	<i>No conflict.</i> During both construction and operation of the FMP, the FMP would comply with all state regulations related to solid waste generation, storage, and disposal, including the California Integrated Waste Management Act, as amended.
Increase Production and Markets for Compost and Other Organics	RW-3	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Anaerobic/Aerobic Digestion	RW-3	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.

Table 4.7-98. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
Extended Producer Responsibility	RW-3	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Environmentally Preferable Purchasing	RW-3	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Forests Sector		
Sustainable Forest Target	F-1	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
High GWP Gases Sector		
Motor Vehicle Air Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing	H-1	<i>No conflict.</i> The FMP’s employees would be prohibited from performing motor vehicle air conditioning repairs, which would be required to use professional servicing.
SF ₆ Limits in Non-Utility and Non-Semiconductor Applications	H-2	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Reduction of Perfluorocarbons (PFCs) in Semiconductor Manufacturing	H-3	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Limit High GWP Use in Consumer Products	H-4	<i>No conflict.</i> The FMP would not result in an increase in employees or associated consumer product use.
Air Conditioning Refrigerant Leak Test During Vehicle Smog Check	H-5	<i>No conflict.</i> Motor vehicles driven by the FMP’s delivery trucks would comply with the leak test requirements during smog checks.
Stationary Equipment Refrigerant Management Program – Refrigerant Tracking/Reporting/Repair Program	H-6	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Stationary Equipment Refrigerant Management Program – Specifications for Commercial and Industrial Refrigeration	H-6	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
SF ₆ Leak Reduction Gas Insulated Switchgear	H-6	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
40% Reduction in Methane and Hydrofluorocarbon (HFC) Emissions	N/A	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
50% Reduction in Black Carbon Emissions	N/A	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.
Agriculture Sector		
Methane Capture at Large Dairies	A-1	<i>Not applicable.</i> The FMP would not prevent CARB from implementing this measure.

Notes: GHG = greenhouse gas; CARB = California Air Resources Board; VMT = vehicle miles traveled; SB = Senate Bill; N/A = not applicable; SF₆ = sulfur hexafluoride.

Based on the analysis in Table 4.7-98, the FMP would not conflict with the applicable strategies and measures in the 2008 Scoping Plan.

The 2017 Scoping Plan Update reflects the 2030 target of a 40% reduction below 1990 levels codified by SB 32. Table 4.7-109 evaluates the FMP’s potential conflict with the 2017 Scoping Plan recommended actions.

Table 4.7-109. FMP Consistency with 2017 Scoping Plan Climate Change Policies and Measures

Recommend Action Summary	Lead Agencies	FMP Consistency
Implement SB 350 by 2030 <ul style="list-style-type: none"> • Increase Renewable Portfolio Standard • Establish annual targets for statewide energy efficiency • Reduce GHG emissions in the electricity sector 	CPUC, CEC, CARB	<i>No conflict.</i> This action is directed towards policymakers and would not be directly applicable to the FMP. Nonetheless, the FMP would improve energy efficiency and reduce electricity-related GHG emissions when replacing older buildings and systems with newer, more efficient buildings and systems.
Implement Mobile Source Strategy (Cleaner Technology and Fuels) <ul style="list-style-type: none"> • Increase zero emission and plug-in hybrid electric vehicles • Increase GHG stringency on light-duty vehicles beyond Advanced Clean Cars • Medium- and heavy-duty GHG Phase 2 • Innovative Clean Transit • Last Mile Delivery • Further reduce VMT through SB 375 and regional Sustainable Communities Strategy 	CARB, CalSTA, SGC, CalTrans, CEC, OPR, Local agencies	<i>No conflict.</i> The FMP would not result in an increase in operational vehicle trips.
Increase stringency of SB 375 Sustainable Communities Strategy (2035 targets)	CARB	<i>No conflict.</i> This action is directed towards policymakers and would not be directly applicable to the FMP.
Adjust performance measures used to select and design transportation facilities by 2019	CalSTA and SGC, OPR, CARB, GoBiz, IBank, DOF, CTC, Caltrans	<i>No conflict.</i> The action is directed towards CARB and Caltrans, and the FMP would not result in an increase in operational vehicle trips.
Develop pricing policies to support low-GHG transportation (e.g. low-emission vehicle zones for heavy duty, road user, parking pricing, transit discounts) by 2019	CalSTA, Caltrans, CTC, OPR/SGC, CARB	<i>No conflict.</i> This action is directed towards policymakers and would not be directly applicable to the FMP.
Implement California Sustainable Freight Action Plan	CalSTA, CalEPA, CNRA, CARB, CalTrans, CEC, GoBiz	<i>No conflict.</i> The FMP would not result in an increase in operational vehicle trips including trucks.
Adopt a Low Carbon Fuel Standard with a carbon intensity reduction of 18 percent	CARB	<i>No conflict.</i> This action is directed towards CARB and would not be directly applicable to the FMP. In addition, the FMP would not result in an increase in operational vehicle trips.
Implement the Short-Lived Climate Pollutant Strategy by 2030	CARB, CalRecycle, CDFA, SWRCB, local air districts	<i>No conflict.</i> The FMP would be required to comply with the Short-Lived Climate Pollutant Strategy to the extent it is applicable.
Develop regulations and programs to support organic waste landfill reduction goals in the Short-Lived Climate Pollutant Strategy and SB 1383 by 2019	CARB, CalRecycle, CDFA, SWRCB, local air districts	<i>No conflict.</i> This action is not within the purview of the FMP.
Implement the post-2020 Cap-and-Trade Program with declining annual caps	CARB	<i>No conflict.</i> The FMP is not subject to the California Cap-and-Trade Program.

Table 4.7-109. FMP Consistency with 2017 Scoping Plan Climate Change Policies and Measures

Recommend Action Summary	Lead Agencies	FMP Consistency
Develop Integrated Natural and Working Lands Implementation Plan to secure California’s land base as a net carbon sink by 2018	CNRA and departments within, CDFA, CalEPA, CARB	<i>No conflict.</i> This action is not within the purview of the FMP. In addition, the FMP components primarily include rehabilitation and replacement of existing facilities and would not result in land use conversion that would reduce carbon storage.
Establish a carbon accounting framework for natural and working lands as described in SB 859 by 2018	CARB	<i>No conflict.</i> This action is not within the purview of the FMP.
Implement Forest Carbon Plan	CNRA, CAL FIRE, CalEPA and departments within	<i>No conflict.</i> This action is not within the purview of the FMP. In addition, the FMP components are located within developed urban areas and would not affect forested areas.
Identify and expand funding and financing mechanisms to support GHG reductions across all sectors.	State agencies and local agencies	<i>No conflict.</i> This action is not within the purview of the FMP.

Source: CARB 2017.

Notes: CalEPA = California Environmental Protection Agency; CAL FIRE = California Department of Forestry and Fire Protection; CalRecycle = California Department of Resources Recycling and Recovery; CalSTA = California State Transportation Agency; Caltrans = California Department of Transportation; CARB = California Air Resources Board; CDFA = California Department of Food and Agriculture; CEC = California Energy Commission; CNRA = California Natural Resources Agency; CPUC = California Public Utilities Commission; CTC = California Transportation Commission; DOF = Department of Finance; GHG = greenhouse gas; GoBiz = Governor’s Office of Business and Economic Development; IBank = California Infrastructure Economic Development Bank; OPR = Governor’s Office of Planning and Research; SB = Senate Bill; SGC = Strategic Growth Council.

Based on the analysis in Table 4.7-109, the FMP would not conflict with the applicable climate change policies and measures in the 2017 Scoping Plan.

Project Consistency with SCAG’s 2016 RTP/SCS

At the regional level, SCAG has adopted the 2016–2040 RTP/SCS for the purpose of reducing GHG emissions attributable to passenger vehicles within their jurisdictional boundaries (Orange, Imperial, Los Angeles, Riverside, San Bernardino, and Ventura Counties). Although the RTP/SCS does not regulate land use or supersede the exercise of land use authority by SCAG’s member jurisdictions (e.g., member cities and counties), the RTP/SCS is a relevant regional reference document for purposes of evaluating the connection of land use and transportation patterns and the corresponding GHG emissions. Note that the Sanitation District is not a member of SCAG. The 2016 RTP/SCS provides broad direction and guidance for future development—encouraging the development of new uses in areas well served by transit and in urban infill areas.

SCAG’s 2016 RTP/SCS is a regional growth-management strategy that targets per capita GHG reduction from passenger vehicles and light-duty trucks in the Southern California region pursuant to SB 375. In addition to demonstrating the region’s ability to attain and exceed the GHG emission-reduction targets set forth by CARB, the 2016 RTP/SCS outlines a series of actions and strategies for integrating the transportation network with an overall land use pattern that responds to projected growth, housing needs, changing demographics, and transportation demands. Thus, successful implementation of the 2016 RTP/SCS would result in more complete communities with a variety of transportation and housing choices, while reducing automobile use. With regard to individual developments, such as the FMP, the strategies

and policies set forth in the 2016 RTP/SCS can be grouped into the following three categories: (1) reduction of vehicle trips and VMT, (2) increased use of alternative fuel vehicles, and (3) improved energy efficiency.

Because the FMP would not result in a net increase in operational vehicle trips, the FMP would not conflict with the 2016 RTP/SCS strategies related to reducing vehicle trips and VMT or use of alternative fuel vehicles. Construction vehicle trips would be temporary. All proposed replacement buildings would comply with the current CALGreen and Title 24 standards, which would improve energy efficiency and reduce energy consumption; therefore, the FMP would be consistent with the 2016 RTP/SCS goal to improve energy efficiency. Overall, the FMP would not conflict with the 2016 RTP/SCS strategies and policies.

Project Consistency with Senate Bill 32 and Executive Order S-3-05

The FMP would not impede the attainment of the GHG reduction goals for 2030 or 2050 identified in SB 32 and EO S-3-05, respectively. EO S-3-05 establishes the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. While there are no established protocols or thresholds of significance for that future year analysis, CARB forecasts that compliance with the current Scoping Plan puts the state on a trajectory of meeting these long-term GHG goals, although the specific path to compliance is unknown (CARB 2014).

CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan that “California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32” (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, the First Update to the Climate Change Scoping Plan states the following (CARB 2014):

This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, EO B-30-15, and EO S-3-05. This is confirmed in the 2017 Scoping Plan, which states the following (CARB 2017):

The Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities.

The FMP would not interfere with implementation of any of the previously described GHG reduction goals for 2030 or 2050 because the FMP would not exceed the SCAQMD’s recommended threshold of 3,000 MT CO_{2e} per year (SCAQMD 2008). Because the FMP would not exceed the threshold, this analysis provides support for the conclusion that the FMP would not impede the state’s trajectory toward the previously described statewide GHG

reduction goals for 2030 or 2050. In September 2018, EO B-55-18 was signed, which commits the state to total carbon neutrality by 2045. However, the specific path to compliance for the state in regards to the long-term goals will likely require development of technology or other changes that are not currently known or available.

The FMP’s consistency with the state’s Scoping Plan would assist in meeting the Sanitation District’s contribution to GHG emission reduction targets in California. With respect to future GHG targets under SB 32 and EO S-3-05, CARB has stated its intent to adopt whatever regulations are necessary, beyond the AB 32 horizon year of 2020, to meet the SB 32 40% reduction target by 2030 and the EO S-3-05 80% reduction target by 2050. CARB’s statement demonstrates that future regulations will be adopted to continue the trajectory toward meeting these future GHG targets.

Summary

Based on the considerations outlined above, the FMP would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and potential impacts would be less than significant.

4.7.5 Mitigation Measures

The FMP addressed in this PEIR is not anticipated to result in significant impacts pursuant to CEQA related to GHG emissions, so no mitigation measures are warranted.

4.7.6 Level of Significance After Mitigation

No mitigation measures are proposed.

4.7.7 Cumulative Impacts

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. As previously discussed in Section 4.7.1, Existing Conditions, GHG emissions inherently contribute to cumulative impacts, and thus, any additional GHG emissions would result in a cumulative impact. As shown in Tables 4.7-87, 4.7-98, and 4.7-109, the FMP would result in GHG emissions that would not exceed the applied threshold and the FMP would not conflict with applicable GHG reduction plans. Therefore, the FMP would result in a less than cumulatively considerable impact. As such, cumulative impacts are considered less than significant.

4.7.8 Impact Summary

Table 4.7-10 summarizes the impacts for the FMP projects assessed at the project level at Plant 1, Plant 2, joint plant projects, and collection system projects under each threshold analyzed in this PEIR.

It is important to note that GHG emissions are a cumulative impact and the total GHG emissions generated from implementation of the FMP should be considered on the whole instead of at an individual project-level, as evaluated in Section 4.7.4. Accordingly, the overall impact determination for each GHG emissions threshold, as evaluated for the entire project, is applied to all FMP project components in Table 4.1-1110.

Table 4.7-1110. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
<i>Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?</i>					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	—	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	—	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	—	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	—	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	—	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	—	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
P2-138	Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant

Table 4.7-1110. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
J-121	UPS System Upgrades	Replace	Less than Significant	–	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	–	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	–	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	–	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	–	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	–	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	–	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	–	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	–	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	–	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	–	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	–	Less than Significant
Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	–	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	–	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	–	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	–	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	–	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	–	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	–	Less than Significant

Table 4.7-1110. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
P2-138	Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	—	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	—	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	—	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	—	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	—	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	—	Less than Significant

Table 4.7-1110. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	—	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	—	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	—	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	—	Less than Significant

Note: UPS = uninterruptible power system.

4.7.9 References

CalRecycle (California Department of Resources Recycling and Recovery). 2012. *AB 341 Final Statement of Reasons: Mandatory Commercial Recycling Regulations*. <http://www.calrecycle.ca.gov/laws/rulemaking/archive/2012/MCR/RuleDocs/FSOR.pdf>.

CAPCOA (California Air Pollution Control Officers Association). 2008. *CEQA & Climate Change: Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act*. January 2008.

CAPCOA. 2017. *California Emissions Estimator Model (CalEEMod) User’s Guide Version 2016.3.2*. Prepared by Trinity Consultants and the California Air Districts. November 2017. <http://www.caleemod.com/>.

CARB (California Air Resources Board). 2008. *Climate Change Scoping Plan: A Framework for Change*. December 2008. Accessed May 2019. https://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf.

CARB. 2012. “California Air Resources Board Approves Advanced Clean Car Rules.” January 27, 2012. <https://www.arb.ca.gov/newsrel/newsrelease.php?id=282>.

CARB. 2014. *First Update to the Climate Change Scoping Plan Building on the Framework Pursuant to AB 32 – The California Global Warming Solutions Act of 2006*. May 2014. Accessed May 2019. http://www.arb.ca.gov/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf.

CARB. 2017. *California’s 2017 Climate Change Scoping Plan: The Strategy for Achieving California’s 2030 Greenhouse Gas Target*. November 2017. Accessed May 2019. https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf.

CARB. 2018. “Glossary of Terms Used in Greenhouse Gas Inventories.” Last reviewed June 22, 2018. http://www.arb.ca.gov/cc/inventory/faq/ghg_inventory_glossary.htm.

CARB. 2019. *California Greenhouse Gas Emissions for 2000 to 2017*. Accessed April 2020. <https://ww2.arb.ca.gov/ghg-inventory-data>.

- CEC (California Energy Commission). 2018. 2019 Building Energy Efficiency Standards – Frequently Asked Questions. March 2018. Accessed May 2019. https://www.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf.
- City of Fullerton. 2012. “Appendix H, Climate Action Plan.” In *The Fullerton Plan Environmental Impact Report*. Final. SCH No. 2011051019. Prepared by RBF Consulting, Irvine, California: RBF Consulting, May 2012. Adopted May 1, 2012. <https://www.cityoffullerton.com/civicax/filebank/blobdload.aspx?blobid=8991>.
- City of Huntington Beach. 2017. *Greenhouse Gas Reduction Program (GGRP)*. March 2017. <https://www.huntingtonbeachca.gov/files/users/planning/Volume-III-Appendix-G-GHG-ReductionProgram.pdf>.
- City of La Habra. 2014. *Climate Action Plan*. Prepared by Atkins. San Bernardino, California: Atkins. January 21, 2014. Accessed June 25, 2010. <http://www.lahabracity.com/DocumentCenter/View/192/Climate-Action-Plan-PDF?bidId=>.
- City of Santa Ana. 2015. *Climate Action Plan*. Prepared by ICLEI-USA. December 2015. https://www.santa-ana.org/sites/default/files/Documents/climate_action_plan.pdf
- CNRA (California Natural Resources Agency). 2009a. *Final Statement of Reasons for Regulatory Action: Amendments to the State CEQA Guidelines Addressing Analysis and Mitigation of Greenhouse Gas Emissions Pursuant to SB 97*. December 2009. Accessed May 2019. http://resources.ca.gov/ceqa/docs/Final_Statement_of_Reasons.pdf.
- CNRA. 2009b. *2009 California Climate Adaptation Strategy: A Report to the Governor of the State of California in Response to Executive Order S-13-2008*. Accessed May 2019. http://resources.ca.gov/docs/climate/Statewide_Adaptation_Strategy.pdf.
- CNRA. 2014. *Safeguarding California: Reducing Climate Risk: An Update to the 2009 California Climate Adaptation Strategy*. July 2014. Accessed May 2019. http://resources.ca.gov/docs/climate/Final_Safeguarding_CA_Plan_July_31_2014.pdf.
- CNRA. 2016. *Safeguarding California: Implementation Action Plans*. March 2016. Accessed May 2019. <http://resources.ca.gov/docs/climate/safeguarding/Safeguarding%20California-Implementation%20Action%20Plans.pdf>.
- CNRA. 2018a. *California’s Fourth Climate Change Assessment – Los Angeles Regional Report*. <https://www.energy.ca.gov/sites/default/files/2019-07/Reg%20Report-%20SUM-CCCA4-2018-007%20LosAngeles.pdf>.
- CNRA. 2018b. *Safeguarding California Plan: 2018 Update: California’s Climate Adaptation Strategy*. January 2018. Accessed May 2019. <http://resources.ca.gov/docs/climate/safeguarding/update2018/safeguarding-california-plan-2018-update.pdf>.
- EPA (U.S. Environmental Protection Agency). 2007. *Energy Independence and Security Act of 2007*. <https://www.gpo.gov/fdsys/pkg/BILLS-110hr6enr/pdf/BILLS-110hr6enr.pdf>.
- EPA. 2016. “Glossary of Climate Change Terms.” September 29, 2016. https://19january2017snapshot.epa.gov/climatechange/glossary-climate-change-terms_.html.

- EPA. 2017a. "Climate Change." Last updated January 19, 2017. Accessed May 2019. https://19january2017snapshot.epa.gov/climatechange_.html.
- EPA. 2017b. *Carbon Pollution Standards for Cars and Light Trucks to Remain Unchanged Through 2025*. January 13, 2017. <https://www.epa.gov/newsreleases/carbon-pollution-standards-cars-and-light-trucks-remain-unchanged-through-2025>.
- EPA. 2020. *Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990–2018*. EPA 430-R-20-002. April 2020. <https://www.epa.gov/sites/production/files/2020-04/documents/us-ghg-inventory-2020-main-text.pdf>.
- EPA. 2020b. "Engine Certification for Caterpillar Engine LCPXL32.0NZS." <https://www.epa.gov/compliance-and-fuel-economy-data/annual-certification-data-vehicles-engines-and-equipment>.
- EPA and NHTSA (U.S. Environmental Protection Agency and National Highway Traffic Safety Administration). 2016. *EPA and NHTSA Adopt Standards to Reduce Greenhouse Gas Emissions and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles for Model Year 2018 and Beyond*. August 2016. Accessed May 2019. <https://nepis.epa.gov/Exe/ZyPDF.cgi/P100P7NL.PDF?Dockey=P100P7NL.PDF>.
- EPA and NHTSA. 2018. *The Safer Affordable Fuel-Efficient 'SAFE' Vehicles Rule for Model Years 2021-2026 Passenger Vehicles and Light Trucks*. Proposed Rule August 2018. Accessed May 2019. <https://www.govinfo.gov/content/pkg/FR-2018-08-24/pdf/2018-16820.pdf>.
- IPCC (Intergovernmental Panel on Climate Change). 1995. *Climate Change 1995: A Report of the Intergovernmental Panel on Climate Change*. IPCC Second Assessment.
- IPCC. 2007. *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*. Edited by S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller. Cambridge, United Kingdom, and New York, New York: Cambridge University Press. Accessed May 2019. http://www.ipcc.ch/pdf/assessment-report/ar4/wg1/ar4_wg1_full_report.pdf.
- IPCC. 2013. *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, Edited by T.F. Stocker, D. Qin, G.K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex, and P.M. Midgley. Cambridge, United Kingdom, and New York, New York: Cambridge University Press. Accessed May 2019. <http://www.ipcc.ch/report/ar5/wg1>.
- IPCC. 2014. *Climate Change 2014 Synthesis Report: A Report of the Intergovernmental Panel on Climate Change*. Contribution of Working Groups I, II and III to the *Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Accessed May 2019. <http://www.ipcc.ch/report/ar5/syr/>.

- IPCC. 2018. “Summary for Policymakers.” In *Global Warming of 1.5 °C. An IPCC Special Report on the Impacts of Global Warming of 1.5 °C above Pre-industrial Levels and Related Global Greenhouse Gas Emission Pathways, in the Context of Strengthening the Global Response to the Threat of Climate Change, Sustainable Development, and Efforts to Eradicate Poverty*. Accessed July 2019. https://www.ipcc.ch/site/assets/uploads/sites/2/2019/05/SR15_SPM_version_report_LR.pdf.
- OEHHA (Office of Environmental Health Hazard Assessment). 2018. *Indicators of Climate Change in California*. May 9, 2018. Accessed June 25, 2020. <https://oehha.ca.gov/media/downloads/climate-change/report/2018caindicatorsreportmay2018.pdf>.
- OPR (California Governor’s Office of Planning and Research). 2008. “Technical Advisory—CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review.” June 19, 2008. Accessed May 2019. <http://opr.ca.gov/docs/june08-ceqa.pdf>.
- OPR. 2018. *Discussion Draft: CEQA and Climate Change Advisory*. December 2018. Accessed June 25, 2020. https://opr.ca.gov/docs/20181228-Discussion_Draft_Climate_Change_Adivsory.pdf.
- SCAG (Southern California Association of Governments). 2012. *2012-2035 Regional Transportation Plan/Sustainable Communities Strategy*. Adopted April 2012. Accessed March 2020. <http://rtpscs.scag.ca.gov/Documents/2012/final/f2012RTPSCS.pdf>.
- SCAG. 2016. *2016–2040 Regional Transportation Plan/Sustainable Communities Strategy*. Adopted April 7, 2016. Accessed March 2020. <http://scagrtpscs.net/Pages/FINAL2016RTPSCS.aspx>.
- SCAQMD (South Coast Air Quality Management District). 2008. “Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold.” October 2008.
- SCAQMD. 2010. Agenda for Meeting 15. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group. September 28, 2010. [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqasignificance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-mainpresentation.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqasignificance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-mainpresentation.pdf?sfvrsn=2).
- SCAQMD. 2020. Caterpillar Emergency Engines SCAQMD Certified Equipment Permit List. February.
- UNFCCC (United Nations Framework Convention on Climate Change). 2019. “History of the Convention.” Accessed July 2019. <https://unfccc.int/process/the-convention/history-of-the-convention>.

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OCS D Facilities Master Plan, Seal Beach Pump Station, Emergency Diesel Engine-Generator Emissions

Emission Calculation Assumptions:

No. of Units	1
Engine Rating	1829.0 HP
Load Factor	1.0
Operating Schedule	1 hr/day 50 hr/year

Reference:

Horsepower for C2, LCPXL32.ONZS, from "Caterpillar Emergency engines SCAQMD CEP List" (February 5, 2020)

Emission Factors:

Pollutant	Emission Factor		Data Source
	g/HP-hr		
VOC	0.070		1
NOx	3.740		1
CO	0.520		1
SOx	0.005		2
PM ₁₀	0.040		1
PM _{2.5}	0.040		1
CO ₂	521.631	1.150 lb/BHP-hr	2
CH ₄	0.073	assuming 1 pound = 453.592 grams	2
N ₂ O	0.138		3

Reference/Data Source:

1. Emissions calculated using factors derived from "Caterpillar Emergency engines SCAQMD CEP List" (February 5, 2020) for C32, LCPXL32.ONZS.
2. Emissions calculated using factors derived from CalEEMod 2016.3.2 User's Guide, Appendix D, for Diesel Emergency Generators (750 HP - 9,999 HP)
3. Emissions calculated using factors derived from The Climate Registry (2020) default emission factors document ratio of CH₄ to N₂O and the CalEEMod emission factor for CH₄.

Emissions Calculations:

	Units	VOC	NOx	CO	SOx	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ E
Emission Factor	g/HP-hr	0.070	3.740	0.520	0.005	0.040	0.040	521.631	0.073	0.138	
Estimated Emissions	Pounds/hour	0.28	15.08	2.10	0.02	0.16	0.16	2,103.31	0.29	0.56	2,276.21
	Pounds/day	0.28	15.08	2.10	0.02	0.16	0.16	2,103.31	0.29	0.56	2,276.21
	Pounds/year	14.11	754.02	104.84	1.00	8.06	8.06	105,165.65	14.74	27.77	113,810.29
	Tons/year	0.01	0.38	0.05	0.00	0.00	0.00	52.58	0.01	0.01	56.91
	Metric tons/year							47.70	0.01	0.01	51.62

Notes:

VOC	volatile organic compound	CO ₂	carbon dioxide
NOx	oxides of nitrogen	CH ₄	methane
CO	carbon monoxide	N ₂ O	nitrous oxide
SOx	sulfur oxides	CO ₂ E	carbon dioxide equivalent
PM ₁₀	particulate matter with an aerodynamic diameter equal to or less than 10 microns	HP	horsepower
PM _{2.5}	particulate matter with an aerodynamic diameter equal to or less than 2.5 microns	hr	hour
		yr	year

OCSD Facilities Master Plan, Seal Beach Pump Station
Emergency Diesel Engine-Generator Emissions Energy Consumption

Operational Emergency Generator Diesel Demand

Source	CO₂ (MT)	Kg CO₂/Gallon	Gallons
Emergency Generator Testing	47.70	10.21	4,672.12

Reference/Data Source:

Kg CO₂ per gallon based on The Climate Registry (2020) default emission factors document

<https://www.theclimateregistry.org/wp-content/uploads/2020/04/The-Climate-Registry-2020-Default-Emission-Factor-Document.pdf>

**Health Risk Assessment Report for the Orange County
Sanitation District Facilities Master Plan
Orange County, California**

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DECEMBER 2020

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
ASF	age-sensitivity factor
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
DPM	diesel particulate matter
EPA	U.S. Environmental Protection Agency
FAH	fraction of time at home
g/s	grams per second
HARP2	Hotspots Analysis and Reporting Program Version 2
hp	horsepower
HRA	Health Risk Assessment
m E	meters easting
m N	meters northing
MEIR	maximally exposed individual resident
MM	Mitigation Measure
NED	National Elevation Dataset
OEHHA	Office of Environmental Health Hazard Assessment
PM _{2.5}	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to 10 microns
project	Orange County Sanitation District Facilities Master Plan
REL	reference exposure level
SCAQMD	South Coast Air Quality Management District
TAC	toxic air contaminant
µg/m ³	microgram per cubic meter
UTM	Universal Transverse Mercator
VMT	vehicle miles traveled

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Summary

The purpose of this Health Risk Assessment (HRA) is to determine the potential cancer risk and noncancer health impacts to existing sensitive receptors in proximity to the location of the projects included within the Orange County Sanitation District Facilities Master Plan (project) due to toxic air contaminant (TAC) emissions resulting from construction of the project.

Air dispersion modeling was conducted using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 19191 and the Hotspots Analysis and Reporting Program Version 2 (HARP2) Version 19121. The South Coast Air Quality Management District's (SCAQMD's) Modeling Guidance for AERMOD, Risk Assessment Procedures for Rules 1401, 1401.1, and 212 (SCAQMD 2017), and the Office of Environmental Health Hazard Assessment's (OEHHA's) Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015 (OEHHA 2015) were used to prepare this HRA. The construction TAC-emitting activities include diesel off-road equipment and diesel haul trucks. For evaluating health risk, the HRA was based on the assumption that exposure from construction TAC emissions would occur up to 8 hours per day and 5 days per week. The maximum annual emissions during construction of the project was applied to the entire 20-year duration. This is consistent with OEHHA's guidance for performing HRAs.¹ For operation, the HRA evaluated maintenance and testing emissions from the emergency generator at the Seal Beach Pump Station. The exposure duration was assumed to be 30 years.

This HRA finds that the incremental cancer risk at the maximally exposed individual resident of 46.2 in 1 million (assuming exposure starts in third trimester of pregnancy for a duration of 20 years) from project construction would exceed the SCAQMD threshold of 10 in 1 million without mitigation. With incorporation of higher-tier engines during construction, as included in MM-AQ-1, the project would result in an incremental cancer risk of 7.3 in 1 million at the maximally exposed individual resident (MEIR). The unmitigated and mitigated chronic hazard index would be 0.01 and 0.002 at the MEIR, respectively, which would be below the SCAQMD threshold of 1.0. The incremental cancer risk at the MEIR of 0.07 in 1 million and chronic hazard index of 0.00002 would not exceed the SCAQMD significance thresholds from project operation. Project health risk impacts associated with construction and operation would be less than significant with mitigation.

¹ OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 OEHHA Guidelines, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

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1 Introduction

1.1 Purpose

In support of the air quality technical report preparation for the Orange County Sanitation District (Sanitation District) Facilities Master Plan (project), the Health Risk Assessment (HRA) modeling analysis was prepared to estimate health risk impacts to proximate existing sensitive receptors from exposure to toxic air contaminant (TAC) emissions from construction and operational activities at the project site. The analysis in this HRA uses air dispersion modeling and Hotspots Analysis and Reporting Program Version 2 (HARP2) to evaluate potential health risks associated with the project. Results of the modeling analysis are compared with the most recent California Environmental Quality Act (CEQA) significance thresholds established by the South Coast Air Quality Management District (SCAQMD). Per CEQA Guidelines, Appendix G (14 CCR 15000 et seq.), the HRA directly addresses the criterion: Would the project expose sensitive receptors to substantial pollutant concentrations?

1.2 Project Description

As discussed in Section 2.2, Program Background, the 2017 Facilities Master Plan (FMP) (Sanitation District 2017) and 2019 update present a series of approximately 83 Capital Improvement Program projects proposed to be implemented by the Sanitation District through 2040 to rehabilitate, replace, and optimize their existing facilities in continued service to residents and businesses within their service area. The content in this PEIR project description is based on review of the 2017 FMP and additional information and clarification provided in communication with Sanitation District representatives (Hadden, pers. comm. 2019; Nazaroff, pers. comm. 2019). Some projects were cancelled, and others were already included in other CEQA documents. FMP projects addressed in this PEIR would be implemented in the following areas of the Sanitation District system:

1. Facility improvements at Plant 1 in Fountain Valley (17 projects)
2. Facility improvements at Plant 2 in Huntington Beach (18 projects)
3. Joint plant improvements at Plant 1 and Plant 2 (8 projects)
4. Collection system improvements (i.e., pipeline, pump station, interplant, and lift station projects) (40 projects)

Projects are also identified in these sections as falling into one of the following three categories, indicating the type of work being performed relative to existing Sanitation District infrastructure:

- **Replacement projects** are those for which the primary purpose is to replace an existing facility, meaning all existing components and infrastructure in the subject facility would be replaced with new components and infrastructure. Examples of this would be trench-based replacement of an existing pipeline segment, replacement of an existing pump station, or replacement of an existing facility at one of the plants.
- **Rehabilitation projects** are those for which the primary purpose is to improve existing facilities without complete replacement. Examples of this would include extending the service life of an existing pipeline by the cured-in-place pipe (CIPP) method, which entails installing material to line the interior of the pipe without the need for trench-based replacement, or refurbishing aging equipment at a pump station or treatment plant.
- **Miscellaneous projects** are other projects that are not easily defined as replacement or rehabilitation projects. Examples include installation of new infrastructure at existing facilities, abandonment of existing facilities, electrical upgrades, and projects that combine different categories of work.

Because the projects addressed in this FMP are dispersed across the wide range of the Sanitation District's service area, the Sanitation District staff acknowledges that representatives of the agency's constituent jurisdictions and members of the public alike may be interested to focus on projects within a particular area.

1.3 Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (short-term) and/or chronic (long-term) noncancer health effects. A toxic substance released into the air is considered a TAC. Examples include certain aromatic and chlorinated hydrocarbons, diesel particulate matter (DPM), certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems, and may be experienced through either acute or chronic exposure to a given TAC.

California's air toxics control program began in 1983 with the passage of Assembly Bill 1807, the Toxic Air Contaminant Identification and Control Act, better known as the Tanner Bill. The Tanner Bill established a regulatory process for the scientific and public review of individual toxic compounds. When a compound becomes listed as a TAC under the Tanner Bill, the California Air Resources Board (CARB) normally establishes minimum statewide emission-control measures to be adopted by air quality management districts and air pollution control districts. By 1992, 18 of the 187 federal hazardous air pollutants had been listed by CARB as state TACs. In April 1993, CARB added 171 substances to the state program to make the state TAC list equal to the federal list of hazardous air pollutants. In 1998, CARB designated DPM as a TAC (CARB 1998). Exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens.

The second major component of California's air toxics program, supplementing the Tanner Bill, was provided by the passage of Assembly Bill 2588, the Air Toxics "Hot Spots" Information and Assessment Act of 1987. Assembly Bill 2588 currently regulates more than 600 compounds, including all of the Tanner Bill-designated TACs.

1.4 Cancer Risk

Cancer risk is defined as the increase in lifetime probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased probability in 1 million. The cancer risk from inhalation of a TAC is estimated by calculating the inhalation (and if applicable, ingestion and dermal) dose in units of milligrams per kilogram body weight per day based on an ambient concentration in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), breathing rate, and exposure period and multiplying the dose by the inhalation cancer potency factor, expressed as (milligrams/kilogram body weight per day)⁻¹. Cancer risks are typically calculated for all carcinogenic TACs and summed to calculate the overall increase in cancer risk to an individual. The calculation procedure assumes that cancer risk is proportional to concentrations at any level of exposure, and that risks due to different carcinogens are additive. This approach is generally considered a conservative assumption at low doses, and is consistent with the current Office of Environmental Health Hazard Assessment's (OEHHA's) regulatory approach. Exposure to carcinogenic TACs does not imply that the exposed individual will contract cancer; rather, the cancer risk is a probability of developing cancer if other factors (e.g., heredity, exposure to environmental or workplace risks that compromise the immune system, overall health) would result in an increased susceptibility to developing cancer.

The cancer risk calculations were performed by multiplying the predicted dispersion modeled output data by the TAC emissions and the appropriate risk values. The exposure and risk equations that were used to calculate the cancer risk at receptors from project construction are integrated in HARP2, in accordance with the Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015 (2015 Risk Assessment Guidelines Manual) (OEHHA 2015).

1.5 Acute and Chronic Noncancer Health Impacts

The noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of $\mu\text{g}/\text{m}^3$ divided by the reference exposure level (REL), also in units of $\mu\text{g}/\text{m}^3$. The REL is the concentration at or below which no adverse health effects are anticipated. The REL is typically based on health effects on a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index.

U.S. EPA has used a general definition of 'adverse effect' as any effect resulting in functional impairment and/or pathological lesions that may affect the performance of the whole organism, or that reduce an organism's ability to respond to an additional challenge (OEHHA 2008). Within the health-disease spectrum, health effects could range from mild symptoms of ill health to exacerbations of terminal illnesses of diverse kinds; an inordinate depletion of cell, tissue, and organ reserves; subclinical disease; and mortality. Reserve loss involves both reversible and irreversible alterations of the cell population and includes metabolic abnormalities and alterations of the intercellular milieu. Therefore, the earliest adverse effect is an altered ecology at the cellular level. Irreversible abnormalities that appear relatively minor may have a serious impact on health by increasing susceptibility to disease in general, or by exacerbating other disease processes (OEHHA 2008). The nature of the target organs or systems involved in a given toxicological response is important since this is considered for hazard index (HI) calculations. Consideration of the cumulative impact of exposure to multiple chemicals is one of the requirements of SB25, and a key objective for environmental justice considerations. The target organs or systems are described by general categories that may include varied effects: categories and effects currently used in existing acute and chronic RELs.

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2 Guidance and Thresholds

2.1 Office of Environmental Health Hazard Assessment's Guidance

OEHHA's most recent guidance is the 2015 Risk Assessment Guidelines Manual (OEHHA 2015), which supersedes the 2003 OEHHA HRA guidance manual, and was used to calculate the health risk impacts from project construction. The Children's Environmental Health Protection Act of 1999 (Senate Bill 25), which requires explicit consideration of infants and children in assessing risks from air toxics, requires revisions of the methods for both noncancer and cancer risk assessment and of the exposure assumptions in the 2003 HRA guidance manual (OEHHA 2003). In response to Senate Bill 25, OEHHA released three technical support documents addressing RELs (OEHHA 2008), cancer potency (OEHHA 2009), and exposure assessment and stochastic analysis (OEHHA 2012), and adopted the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The technical support document for RELs and continuing work to re-evaluate TACs to ensure adequate protection for infants and children has led to revisions of RELs for approximately 10 chemicals and chemical families. The basic methodology for evaluating acute and chronic health effects using the RELs otherwise remained the same as in the previous guidance manual. Moreover, RELs are designed to protect the most sensitive individuals in the population, including infants and children, by selecting appropriate toxicological data and including margins of safety. Accordingly, the evaluation methods are assumed to protect children and other sensitive subpopulations (groups of more highly susceptible individuals) from adverse health effects in the event of exposure (OEHHA 2008).

The cancer risk methodology described in the exposure assessment and stochastic analysis technical support document and the 2015 Risk Assessment Guidelines Manual accounts for the higher sensitivity of infants and children by applying age-specific daily breathing rates and age-sensitivity factors (ASFs). According to the technical support document, "accounting for effects of early-in life exposure requires accounting for both the increased potency of early in life exposure to carcinogens and the greater exposure on a per [kilogram] body weight that occurs early in life due to behavioral and physiological differences between infants and children, and adults" (OEHHA 2012). In the absence of chemical-specific data, OEHHA recommends a default ASF of 10 for the third trimester to age 2 years, and an ASF of 3 for ages 2 through 15 years to account for potential increased sensitivity to carcinogens during childhood (OEHHA 2015). The ASF for adults is 1. In addition to the ASFs, children have higher daily breathing rates per unit of body weight than adults. The OEHHA guidance manual considers the age-specific breathing rates in the cancer risk calculations.

In addition, OEHHA and CARB evaluated information from activity patterns databases to estimate the fraction of time at home (FAH) during the day. From the third trimester to age <2 years, 85% of time is spent at home. From age 2 through <16 years, 72% of time is spent at home. From age 16 years and greater, 73% of time is spent at home. However, for facilities with any school within the 1 in 1 million or greater isopleth, the OEHHA recommends using an FAH of 100% for children under 16 years old (OEHHA 2015). As a conservative assumption, the FAH for children under 16 years old was assumed to be 100% in this analysis. Cancer risk parameters, such as ASFs, daily breathing rates, exposure period, FAH, and cancer potency factors were based on the values and data recommended by OEHHA as implemented in HARP2. Accordingly, this HRA evaluates and reflects conservative, health-protective methodologies to assess health impacts to adults, as well as infants, children, and other sensitive subpopulations.

2.2 South Coast Air Quality Management District Guidance

The SCAQMD’s Air Quality Significance Thresholds (SCAQMD 2019) provides cancer and noncancer thresholds to assess health risk significance. The SCAQMD provides guidance for performing health risk assessments within the *South Coast AQMD Modeling Guidance for AERMOD* (SCAQMD 2020) and the *Risk Assessment Procedures for Rules 1401, 1401.1, and 212* (SCAQMD 2017). The SCAQMD’s current health risk thresholds are presented in Table 1.

Table 1. SCAQMD Thresholds of Significance

Factor	Threshold
Cancer	Increased cancer risk of ≥ 10.0 in 1 million
<u>Cancer Burden</u>	<u>0.5 excess cancer cases (in areas ≥ 1 in 1 million)</u>
Non-Cancer	Increased noncancer risk of ≥ 1.0 Hazard Index (Chronic or Acute)

Source: SCAQMD 2019.

3 Receptors Used for Evaluating Modeled Impacts

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The SCAQMD identifies sensitive receptors as residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993). Residential land uses are located adjacent to the eastern boundary of both Plants 1 and 2, approximately 140 feet away. Residential land uses are located approximately 820 feet west of the Seal Beach Pump Station.

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4 Modeling Methodology

4.1 Dispersion Model

Air dispersion models calculate the atmospheric transport and fate of pollutants from the emission source. The models calculate the concentration of selected pollutants at specific downwind ground-level points, such as residential or school receptors. The transformation (fate) of an airborne pollutant, its movement with the prevailing winds (transport), its crosswind and vertical movement due to atmospheric turbulence (dispersion), and its removal due to dry and wet deposition are influenced by the pollutant's physical and chemical properties, and by meteorological and environmental conditions. Factors such as distance from the source to the receptor, meteorological conditions, intervening land use and terrain, pollutant release characteristics, and background pollutant concentrations affect the predicted air concentration of an air pollutant. Air dispersion models have the capability to take all of these factors into consideration when calculating downwind ground-level pollutant concentrations.

A dispersion modeling analysis was conducted for DPM emitted from diesel vehicles and off-road equipment on the proposed project site for the HRA to assess the health risk impacts of the project's construction on proximate off-site sensitive receptors. The dispersion modeling was performed using American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 19191, which is the model the U.S. Environmental Protection Agency (EPA) approved and SCAQMD recommends for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain. Principal parameters of AERMOD for the project construction included the following:

Construction

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission rate (1 gram per second [g/s]) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 2 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by Orange County Sanitation District and modeling guidance from SCAQMD and Sacramento Metropolitan Air Quality Management (SCAQMD 2020; SMAQMD 2013).

Table 2. Emission Source Parameters - Construction

Source ID	Source Name	Source Type	Source Parameters
SLINE1	Plant 1 Construction	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate ¹ : 0.007 g/s Number of Volume Sources: 144 Variable Emissions Scenario: 8 hours per day, 5 days per week

Table 2. Emission Source Parameters - Construction

SLINE2	Plant 2 Construction	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate ¹ : 0.01 g/s Number of Volume Sources: 89 Variable Emissions Scenario: 8 hours per day, 5 days per week
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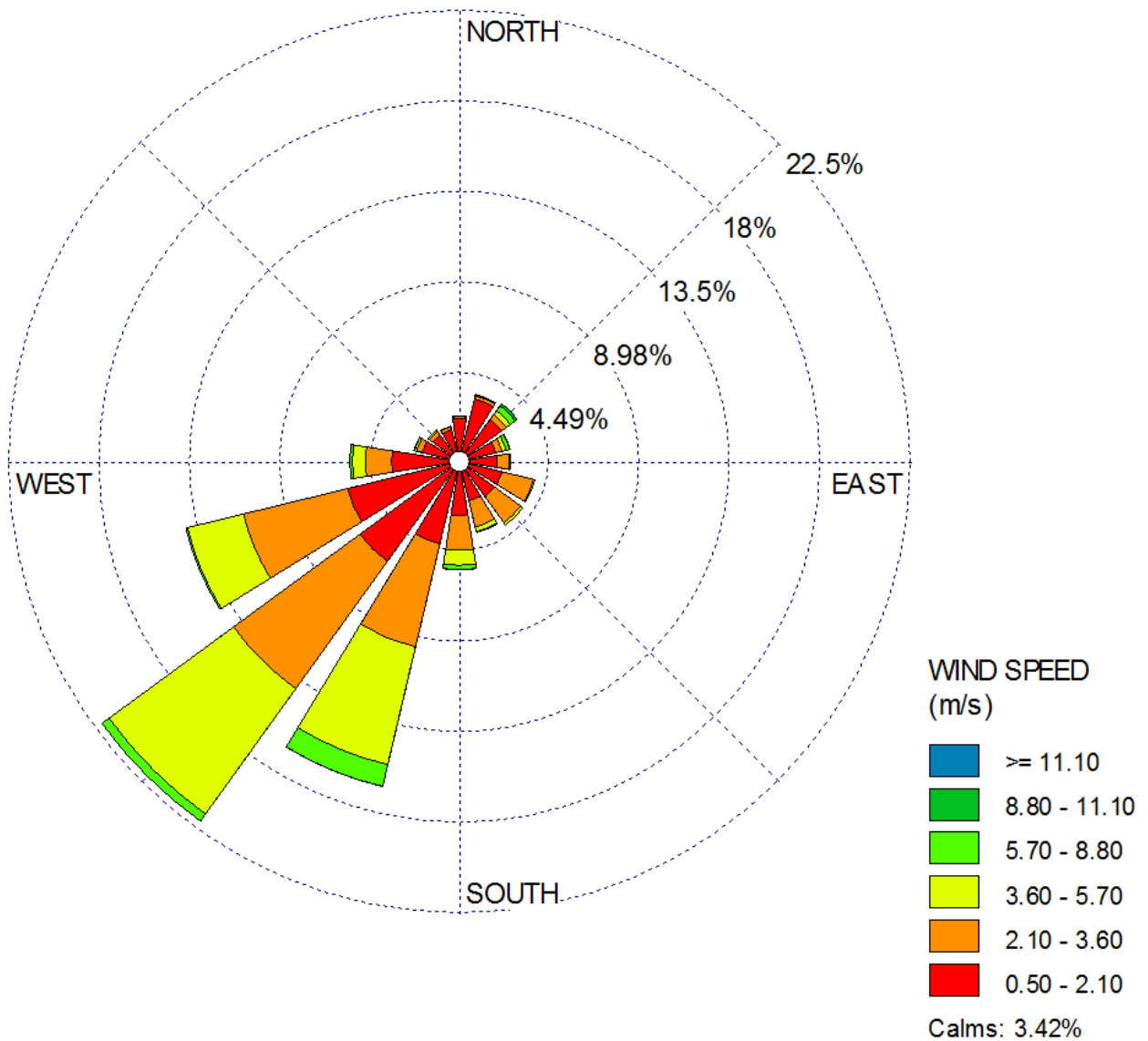
Source: SCAQMD 2020; SMAQMD 2013.

Notes: g/s = grams per second; m = meters.

¹ An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- Meteorological Data:** The John Wayne Airport meteorological station was selected since it is the closest station and is the most representative of the project sites. The latest 5-year meteorological data (2012–2016) for the John Wayne Airport were downloaded from SCAQMD, and then input to AERMOD. A wind rose is provided for this station in Figure 1.
- Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The urban dispersion option was selected based on the predominant development within 2 kilometers of the project site. The population for Orange County was used for the urban group.
- Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset (NED) dataset with resolution of 1/3 arc-second was used.
- Sensitive Receptors:** This HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. A uniform Cartesian grid of 10,095 by 10,078 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth. A finer Cartesian grid of 20 meter spacing was placed over residential receptors proximate to the project site.
- Source Release Scenario:** Emissions during construction were assumed to operate up to 8 hours per day, 260 days per year.

Figure 1. Wind Rose of Meteorological Data – John Wayne Airport



Operation

- Dispersion Model:** The air dispersion model used was AERMOD, Version 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission rate (1 gram per second [g/s]) was normalized over each unique source of emissions for the AERMOD run to obtain the “X/Q” values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 3 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by Orange County Sanitation District and modeling guidance from SCAQMD and Sacramento Metropolitan Air Quality Management (SCAQMD 2020; SMAQMD 2013).

Table 3. Emission Source Parameters - Operation

Source ID	Source Name	Source Type	Source Parameters
STCK1	Seal Point Pump Station Emergency Generator	Point	Release Height: 2.195 m Emission Rate: 1 g/s Gas Exit Temperature: 703.483 K Stack Inside Diameter: 0.406 m Gas Exit Velocity: 36.404 m/s Gas Exit Flow Rate: 4.7222 m ³ /s

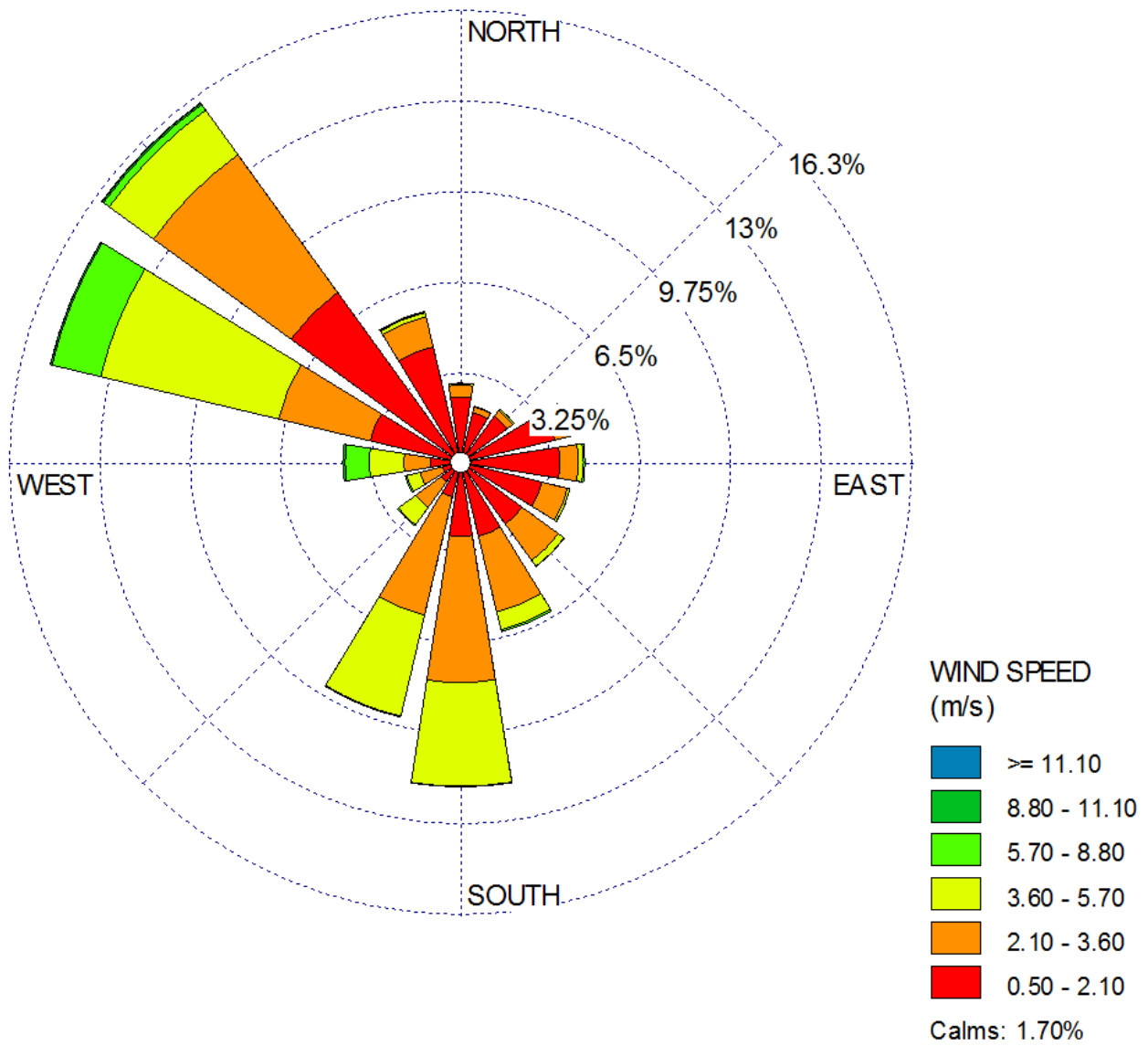
Source: Caterpillar 2019.

Notes: g/s = grams per second; K = degrees Kelvin; m = meters; m³/s = cubic meters per second.

¹ An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- Meteorological Data:** The Long Beach Airport meteorological station was selected since it is the closest station and is the most representative of the project sites. The latest 5-year meteorological data (2012–2016) for the John Wayne Airport were downloaded from SCAQMD, and then input to AERMOD. A wind rose is provided for this station in Figure 2.
- Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The urban dispersion option was selected based on the predominant development within 2 kilometers of the project site. The population for Orange County was used for the urban group.
- Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset (NED) dataset with resolution of 1/3 arc-second was used.
- Sensitive Receptors:** This HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. A uniform Cartesian grid of 3,865 by 3,516 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth. A finer Cartesian grid of 20 meter spacing was placed over residential receptors proximate to the project site.
- Source Release Scenario:** Emissions during operation were assumed to operate up to 1 hour per day, 50 hours per year. No variable emissions scenario was used. The 50 hours per year assumption is conservative because based on existing practice; the pump station emergency generators are typically tested for approximately 6 hours per year reflecting a maximum of 1/2 hour per day of testing and testing occurring once a month.

Figure 2. Wind Rose of Meteorological Data – Long Beach Airport



4.2 Emission Calculations

Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided by the Sanitation District. The construction emissions were based off of the assumptions as found within Section 4.2, Air Quality, of the Programmatic Environmental Impact Report for the project. In order to estimate emissions from on-site diesel vehicles, the trip length was modified to 1,000 feet for vendor and haul trucks. Worker vehicles were assumed to be gasoline and thus were not included. Table 34 shows the estimated DPM emissions per year during construction at Plants 1 and 2.

Table 34. Project Annual On-Site Construction Emissions

Year	Plant 1	Plant 2
	DPM Tons per year	
Unmitigated Construction		
2021	0.037	0.250
2022	0.038	0.243
2023	0.061	0.474
2024	0.138	0.405
2025	0.219	0.228
2026	0.200	0.130
2027	0.207	0.171
2028	0.151	0.092
2029	0.121	0.068
2030	0.039	0.021
2031	0.032	0.027
2032	0.045	0.045
2033	0.028	0.002
2034	0.033	0.000
2035	0.021	0.000
2036	0.020	0.017
2037	0.011	0.028
2038	0.009	0.028
2039	0.003	0.020
2040	0.000	0.013
Mitigated Construction¹		
2021	0.002	0.026
2022	0.002	0.024
2023	0.005	0.074
2024	0.012	0.065
2025	0.065	0.053
2026	0.075	0.061
2027	0.070	0.064
2028	0.067	0.053
2029	0.061	0.051
2030	0.029	0.021
2031	0.020	0.016
2032	0.015	0.015

Table 34. Project Annual On-Site Construction Emissions

Year	Plant 1	Plant 2
	<i>DPM Tons per year</i>	
2033	0.024	0.001
2034	0.022	0.000
2035	0.016	0.000
2036	0.012	0.007
2037	0.004	0.014
2038	0.006	0.016
2039	0.002	0.011
2040	0.000	0.008

Notes: DPM = diesel particulate matter.

¹ Mitigated emissions include implementation of Mitigation Measure AQ-1.

As shown in Section 5, Health Risk Results, the results of the HRA using the unmitigated emissions would result in a potentially significant impact. As such, the following mitigation measure (MM) is included to reduce DPM emissions from construction equipment:

MM-AQ-1 Prior to the commencement of construction activities for each project, the Orange County Sanitation District (Sanitation District) shall require its construction contractor to demonstrate that all 50-horsepower or greater diesel-powered equipment is powered with California Air Resources Board (CARB)-certified Tier 4 Final engines.

An exemption from this requirement may be granted if (a) the Sanitation District documents equipment with Tier 4 Final engines are not reasonably available, and (b) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Before an exemption may be granted, the Sanitation District's construction contractor shall: (1) demonstrate that at least two construction fleet owners/operators in Orange County were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within Orange County during the desired construction schedule; and (2) the proposed replacement equipment has been evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emission estimation method and documentation provided to the Sanitation District to confirm that project-generated emissions do not exceed applicable South Coast Air Quality Management District (SCAQMD) mass daily thresholds, the applicable SCAQMD localized significance thresholds, or the SCAQMD carcinogenic (cancer) risk threshold.

The operational emissions of the project were estimated using the exhaust PM emission rate from the manufacturers data sheet (Caterpillar 2017). The generator is a certified EPA Tier 2 rated at 1,829 horsepower. The generator was assumed to operate up to 50 hours per year for maintenance and testing in accordance with CARB's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (17 CCR Section 93115). The emergency generator was estimated to emit up to 8.06 pounds of DPM per year. As DPM does not have an acute REL, daily or hourly emissions are not applicable.

4.3 Health Risk Assessment Methodology

In March 2015, the OEHHA approved the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The construction HRA was prepared following the 2015 Risk Assessment Guidelines Manual. Cancer and noncancer health risk calculations were performed for the project using ground-level unity emission concentration (X/Q) input from AERMOD. This modeling established the emissions dispersion field to the existing sensitive receptors from atmospheric influence of the stationary source emissions. Plot files generated in AERMOD were then imported into HARP2, with ground level concentrations determined by multiplication of emission rates and X/Q values for each source of emissions. HARP2 then assessed resulting cancer and noncancer risk at the existing receptors from exposure to TAC emissions using the OEHHA derived calculation method.

The risk assessment was performed in accordance with the SCAQMD Risk Assessment Procedures for Rules 1401, 1401.1, and 212 (SCAQMD 2017). The highest year emissions were applied to the entire exposure duration. For Plant 1, this analysis assumed year 2025 for the unmitigated and 2026 for the mitigated analysis and for Plant 2, year 2023 was assumed for the unmitigated and mitigated scenarios. This is an overly conservative scenario as actual modeled emissions over the entire construction period were much lower. Furthermore, the HRA began risk evaluation exposure within the third trimester of pregnancy for a 20 year duration, consistent with the 2015 OEHHA Guidelines.² For the operational HRA, the exposure duration began in the third trimester of pregnancy for a 30-year duration. The following risk assessment options were applied to the HRA in accordance with the SCAQMD 2017 guidance:

- Deposition velocity of 0.02 meters per second.
- A 'warm' climate was selected for dermal exposure.
- The RMP (Derived) Method was selected for residential cancer risk.
- Pathways for residential risk include inhalation, soil ingestion, dermal absorption, homegrown produce, and mother's milk.

² OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 OEHHA Guidelines, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

5 Health Risk Results

The cancer risk calculations for construction and operation were performed by multiplying the AERMOD-predicted TAC concentrations in $\mu\text{g}/\text{m}^3$ per unit grams per second due to TAC emissions from ~~trucks and off-road equipment~~ each source by the appropriate risk values. The potential exposure pathways for the TAC emissions evaluated in this HRA were based on the 2015 OEHHA guidance incorporated in HARP2.

The maximally exposed receptor would be the nearest existing residence to the west of the Plant 2 Site during construction. The maximally exposed receptor would be the residence north of the Seal Beach Pump Station during operation. Potential health risk at the maximally exposed individual resident (MEIR) resulting from construction activities are shown in Table 45.

Table 45. Project Construction Health Risk

Receptor	Cancer Risk (persons per million)	Chronic Impact
<i>Unmitigated Construction</i>		
Maximally Exposed Individual Resident ¹	46.2	0.01
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	Yes	No
<i>Mitigated Construction²</i>		
Maximally Exposed Individual Resident ¹	7.3	0.002
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	No	No
<i>Operation</i>		
Maximally Exposed Individual Resident ³	<u>0.07</u>	<u>0.00002</u>
SCAQMD Significance Criteria	<u>10</u>	<u>1.0</u>
Exceed Threshold?	<u>No</u>	<u>No</u>

Source: Appendix A

Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant; AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; HARP2 = Hotspots Analysis and Reporting Program Version 2.

TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure during construction was assumed to begin in the third trimester of pregnancy for a duration of 20 years. Exposure during operation was assumed to begin in the third trimester of pregnancy for a duration of 30 years.

¹ The maximally exposed individual resident for annual cancer and chronic health risk impacts is located north of the project site at UTM coordinates 411227.04 meter Easting / 3723000.34 meters Northing

² Mitigated emissions include implementation of mitigation measure -AQ-1.

³ The maximally exposed individual resident for annual cancer and chronic health risk impacts is located north of the project site at UTM coordinates 400163.06 meter Easting / 3736411.95 meters Northing.

As shown in Table 45, the incremental cancer risk at the MEIR of 46.2 in 1 million (assuming exposure starts in third trimester of pregnancy for a duration of 20 years) from project construction would exceed the SCAQMD threshold of 10 in 1 million without mitigation. With incorporation of higher-tier engines during construction, as included in MM-AQ-1, the project would result in an incremental cancer risk of 7.3 in 1 million. The unmitigated and mitigated chronic hazard index would be 0.01 and 0.002 at the MEIR, respectively, which would be below the SCAQMD threshold of 1.0. The incremental cancer risk at the MEIR of 0.07 in 1 million and chronic hazard index of 0.00002 would not exceed the SCAQMD significance thresholds from project operation. The pProject health risk impacts associated with construction and operation would, thus, be less than significant with mitigation.

The majority of DPM is small enough to be inhaled into the lungs. Most inhaled particles are subsequently exhaled, but some deposit on the lung surface. Although particles the size of DPM can deposit throughout the lung, the largest fraction deposits in the deepest regions of the lungs where the lung is most susceptible to injury.

In 1998, CARB identified DPM as a toxic air contaminant based on published evidence of a relationship between diesel exhaust exposure and lung cancer and other adverse health effects (CARB 2020). In 2012, additional studies on the cancer-causing potential of diesel exhaust published since CARB's determination led the International Agency for Research on Cancer (IARC, a division of the World Health Organization) to list diesel engine exhaust as "carcinogenic to humans". This determination is based primarily on evidence from occupational studies that show a link between exposure to DPM and lung cancer induction, as well as death from lung cancer. Download the IARC report (external site).

Because it is part of PM_{2.5}, DPM also contributes to the same non-cancer health effects as PM_{2.5} exposure. These effects include premature death, hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma, increased respiratory symptoms, and decreased lung function in children (CARB 2020). Several studies suggest that exposure to DPM may also facilitate development of new allergies. Those most vulnerable to non-cancer health effects are children whose lungs are still developing and the elderly who often have chronic health problems.

6 Conclusions

The results determined in this analysis reflect reasonable estimates of source emissions and exhaust characteristics, available meteorological data near the project site, and the use of currently approved air quality models. Given the limits of available tools for such an analysis, the actual impacts may vary from the estimates in this assessment. However, the combined use of the AERMOD dispersion model and the health impact calculations required by OEHHA and SCAQMD tend to overpredict impacts, such that they produce conservative (i.e., health-protective) results. For this reason, the estimated cancer risks and noncancer hazard indices reported in this analysis are likely upper-bound estimates for potential exposure to project-related emissions. In addition, the estimated cancer risks and noncancer hazard indices represent the maximum exposed individual (resident) and do not represent the risk over a broad area. The actual risks of cancer or noncancer effects from the project are likely to be lower than presented herein.

Based on this analysis, project construction and operation would result in potential cancer risk that would be less than significant with mitigation. The project would result in chronic health risk that would be less than significant without mitigation.

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7 References

- CARB (California Air Resources Board). 1998. *Report to the Air Resources Board on the Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant, Part A Exposure Assessment* (as approved by the Scientific Review Panel). April 1998.
- CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005. Accessed August 2016. <https://ww3.arb.ca.gov/ch/handbook.pdf>.
- CARB. 2020. Overview: Diesel Exhaust & Health. Accessed July 2020. <https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health>.
- Caterpillar. 2017. "LEHE0129-02." July. Accessed November 2020.
- Caterpillar. 2019. "LEHE1349-05." October. Accessed November 2020. <https://s7d2.scene7.com/is/content/Caterpillar/CM20180320-15806-02586>.
- Hadden, K. 2019. Facilities master plan update. Email correspondence between K. Hadden (Sanitation District) and R. Struglia (Dudek). May 24 through May 30, 2019.
- Nazaroff, A. 2019. Facilities master plan update. Email correspondence between A. Nazaroff (Sanitation District) and R. Struglia (Dudek). March 28 through May 6, 2019.
- OEHHA (Office of Environmental Health Hazard Assessment). 2003. *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2003*. October 2003. Accessed April 2019. <https://oehha.ca.gov/media/downloads/cnr/hraguidefinal.pdf>.
- OEHHA. 2008. *Air Toxics Hot Spots Risk Assessment Guidelines Technical Support Document for the Derivation of Noncancer Reference Exposure Levels*. As approved by the Scientific Review Panel, June 18, 2008. Accessed April 2019. http://www.oehha.ca.gov/air/hot_spots/2008/NoncancerTSD_final.pdf.
- OEHHA. 2009. *Technical Support Document for Cancer Potency Factors: Methodologies for Derivation, Listing of Available Values, and Adjustments to Allow for Early Life Stage Exposures*. May 2009. Accessed April 2019. <https://oehha.ca.gov/media/downloads/cnr/tsdcancerpotency.pdf>.
- OEHHA. 2012. *Air Toxics Hot Spots Program Risk Assessment Guidelines – Technical Support Document Exposure Assessment and Stochastic Analysis*. Accessed October 2017. http://www.oehha.ca.gov/air/hot_spots/pdf/2012tsd/TSDportfolio2012.pdf.
- OEHHA. 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015*. February 2015. Accessed April 2019. http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf.
- Sanitation District (Orange County Sanitation District). 2017. *2017 Wastewater Collection and Treatment Facilities Master Plan*. December 2017.
- SCAQMD (South Coast Air Quality Management District). 1993. *CEQA Air Quality Handbook*.

SCAQMD. 2017. Risk Assessment Procedures for Rules 1401, 1401.1, and 212. September 1. Accessed April 2020. <http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12>.

SCAQMD. 2019. *Air Quality Significance Thresholds*. Updated April. Accessed April 2020. <https://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2>.

SCAQMD. 2020. Modeling Guidance for AERMOD. Accessed April 2020. <https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>.

SMAQMD (Sacramento Metropolitan Air Quality Management District). 2013. Sacramento Metropolitan Air Quality Management District CEQA Guide. July. Accessed October 2019. <http://www.airquality.org/LandUseTransportation/Documents/Ch3PMDispersionModelingGuidanceFINAL7-2013.pdf>.

Appendix A

HARP2 and AERMOD Output Files

** Lakes Environmental AERMOD MPI

**

**

** AERMOD INPUT PRODUCED BY:

** AERMOD VIEW VER. 9.9.0

** LAKES ENVIRONMENTAL SOFTWARE INC.

** DATE: 5/26/2020

** FILE: F:\LAKES\OCSD\OCSD.ADI

**

**

**

** AERMOD CONTROL PATHWAY

**

**

CO STARTING

TITLEONE C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 3010232

POLLUTID PM_10

RUNORNOT RUN

ERRORFIL OCSD.ERR

CO FINISHED

**

** AERMOD SOURCE PATHWAY

**

**

SO STARTING

** SOURCE LOCATION **

** SOURCE ID - TYPE - X COORD. - Y COORD. **

**

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE1

** DESCRSRC PLANT 1

** PREFIX

** LENGTH OF SIDE = 25.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 1.0

** VERTICAL DIMENSION = 25.00

** SZINIT = 11.63

** NODES = 10

** 412741.664, 3728642.491, 7.75, 5.00, 11.63

** 412765.904, 3727920.683, 8.95, 5.00, 11.63

** 412817.665, 3727922.083, 9.03, 5.00, 11.63

** 412800.793, 3728632.086, 8.11, 5.00, 11.63
 ** 412850.001, 3728619.432, 8.58, 5.00, 11.63
 ** 412858.437, 3727900.994, 8.68, 5.00, 11.63
 ** 412904.833, 3727982.539, 10.54, 5.00, 11.63
 ** 412900.616, 3728634.898, 8.15, 5.00, 11.63
 ** 412954.042, 3728634.898, 8.17, 5.00, 11.63
 ** 412955.447, 3728097.826, 9.97, 5.00, 11.63

** -----

LOCATION L0000001	VOLUME	412742.083	3728629.998	7.95
LOCATION L0000002	VOLUME	412742.922	3728605.012	8.22
LOCATION L0000003	VOLUME	412743.761	3728580.026	8.35
LOCATION L0000004	VOLUME	412744.601	3728555.040	8.22
LOCATION L0000005	VOLUME	412745.440	3728530.054	8.18
LOCATION L0000006	VOLUME	412746.279	3728505.068	7.93
LOCATION L0000007	VOLUME	412747.118	3728480.082	7.74
LOCATION L0000008	VOLUME	412747.957	3728455.096	7.93
LOCATION L0000009	VOLUME	412748.796	3728430.110	8.00
LOCATION L0000010	VOLUME	412749.635	3728405.124	8.03
LOCATION L0000011	VOLUME	412750.474	3728380.138	8.16
LOCATION L0000012	VOLUME	412751.313	3728355.153	8.23
LOCATION L0000013	VOLUME	412752.152	3728330.167	8.35
LOCATION L0000014	VOLUME	412752.991	3728305.181	8.40
LOCATION L0000015	VOLUME	412753.830	3728280.195	8.41
LOCATION L0000016	VOLUME	412754.670	3728255.209	8.38
LOCATION L0000017	VOLUME	412755.509	3728230.223	8.34
LOCATION L0000018	VOLUME	412756.348	3728205.237	8.55
LOCATION L0000019	VOLUME	412757.187	3728180.251	8.82
LOCATION L0000020	VOLUME	412758.026	3728155.265	8.94
LOCATION L0000021	VOLUME	412758.865	3728130.279	9.05
LOCATION L0000022	VOLUME	412759.704	3728105.293	8.93
LOCATION L0000023	VOLUME	412760.543	3728080.307	8.87
LOCATION L0000024	VOLUME	412761.382	3728055.322	8.86
LOCATION L0000025	VOLUME	412762.221	3728030.336	8.87
LOCATION L0000026	VOLUME	412763.060	3728005.350	8.92
LOCATION L0000027	VOLUME	412763.899	3727980.364	9.06
LOCATION L0000028	VOLUME	412764.738	3727955.378	9.04
LOCATION L0000029	VOLUME	412765.578	3727930.392	9.04
LOCATION L0000030	VOLUME	412781.183	3727921.096	8.98
LOCATION L0000031	VOLUME	412806.174	3727921.772	9.07
LOCATION L0000032	VOLUME	412817.344	3727935.584	9.13
LOCATION L0000033	VOLUME	412816.750	3727960.577	9.13
LOCATION L0000034	VOLUME	412816.156	3727985.570	9.13
LOCATION L0000035	VOLUME	412815.562	3728010.563	9.05
LOCATION L0000036	VOLUME	412814.968	3728035.556	9.05
LOCATION L0000037	VOLUME	412814.374	3728060.549	9.06
LOCATION L0000038	VOLUME	412813.781	3728085.542	9.06
LOCATION L0000039	VOLUME	412813.187	3728110.535	9.09
LOCATION L0000040	VOLUME	412812.593	3728135.528	9.05
LOCATION L0000041	VOLUME	412811.999	3728160.521	9.07
LOCATION L0000042	VOLUME	412811.405	3728185.514	9.06

LOCATION	L0000043	VOLUME	412810.811	3728210.507	9.01
LOCATION	L0000044	VOLUME	412810.217	3728235.500	8.63
LOCATION	L0000045	VOLUME	412809.623	3728260.493	9.11
LOCATION	L0000046	VOLUME	412809.029	3728285.486	9.02
LOCATION	L0000047	VOLUME	412808.436	3728310.479	8.98
LOCATION	L0000048	VOLUME	412807.842	3728335.472	9.14
LOCATION	L0000049	VOLUME	412807.248	3728360.465	8.56
LOCATION	L0000050	VOLUME	412806.654	3728385.457	8.32
LOCATION	L0000051	VOLUME	412806.060	3728410.450	8.31
LOCATION	L0000052	VOLUME	412805.466	3728435.443	8.65
LOCATION	L0000053	VOLUME	412804.872	3728460.436	9.10
LOCATION	L0000054	VOLUME	412804.278	3728485.429	8.64
LOCATION	L0000055	VOLUME	412803.684	3728510.422	8.51
LOCATION	L0000056	VOLUME	412803.090	3728535.415	8.85
LOCATION	L0000057	VOLUME	412802.497	3728560.408	8.38
LOCATION	L0000058	VOLUME	412801.903	3728585.401	8.53
LOCATION	L0000059	VOLUME	412801.309	3728610.394	8.45
LOCATION	L0000060	VOLUME	412803.991	3728631.264	8.16
LOCATION	L0000061	VOLUME	412828.204	3728625.038	8.28
LOCATION	L0000062	VOLUME	412850.031	3728616.940	8.55
LOCATION	L0000063	VOLUME	412850.324	3728591.941	8.83
LOCATION	L0000064	VOLUME	412850.618	3728566.943	8.71
LOCATION	L0000065	VOLUME	412850.911	3728541.945	8.69
LOCATION	L0000066	VOLUME	412851.205	3728516.947	8.60
LOCATION	L0000067	VOLUME	412851.498	3728491.948	8.75
LOCATION	L0000068	VOLUME	412851.792	3728466.950	8.88
LOCATION	L0000069	VOLUME	412852.085	3728441.952	8.91
LOCATION	L0000070	VOLUME	412852.379	3728416.953	8.89
LOCATION	L0000071	VOLUME	412852.672	3728391.955	8.87
LOCATION	L0000072	VOLUME	412852.966	3728366.957	8.70
LOCATION	L0000073	VOLUME	412853.259	3728341.959	8.99
LOCATION	L0000074	VOLUME	412853.553	3728316.960	8.98
LOCATION	L0000075	VOLUME	412853.847	3728291.962	9.04
LOCATION	L0000076	VOLUME	412854.140	3728266.964	9.26
LOCATION	L0000077	VOLUME	412854.434	3728241.966	8.71
LOCATION	L0000078	VOLUME	412854.727	3728216.967	8.94
LOCATION	L0000079	VOLUME	412855.021	3728191.969	9.06
LOCATION	L0000080	VOLUME	412855.314	3728166.971	9.12
LOCATION	L0000081	VOLUME	412855.608	3728141.972	9.08
LOCATION	L0000082	VOLUME	412855.901	3728116.974	9.15
LOCATION	L0000083	VOLUME	412856.195	3728091.976	9.05
LOCATION	L0000084	VOLUME	412856.488	3728066.978	8.99
LOCATION	L0000085	VOLUME	412856.782	3728041.979	8.97
LOCATION	L0000086	VOLUME	412857.075	3728016.981	8.97
LOCATION	L0000087	VOLUME	412857.369	3727991.983	9.05
LOCATION	L0000088	VOLUME	412857.662	3727966.985	9.01
LOCATION	L0000089	VOLUME	412857.956	3727941.986	9.04
LOCATION	L0000090	VOLUME	412858.249	3727916.988	8.91
LOCATION	L0000091	VOLUME	412862.890	3727908.821	9.18
LOCATION	L0000092	VOLUME	412875.253	3727930.550	9.70

LOCATION	L0000093	VOLUME	412887.616	3727952.279	9.96
LOCATION	L0000094	VOLUME	412899.980	3727974.008	9.96
LOCATION	L0000095	VOLUME	412904.735	3727997.723	9.05
LOCATION	L0000096	VOLUME	412904.574	3728022.723	8.58
LOCATION	L0000097	VOLUME	412904.412	3728047.722	8.94
LOCATION	L0000098	VOLUME	412904.250	3728072.722	9.07
LOCATION	L0000099	VOLUME	412904.089	3728097.721	8.85
LOCATION	L0000100	VOLUME	412903.927	3728122.721	8.82
LOCATION	L0000101	VOLUME	412903.765	3728147.720	8.88
LOCATION	L0000102	VOLUME	412903.604	3728172.720	8.89
LOCATION	L0000103	VOLUME	412903.442	3728197.719	8.88
LOCATION	L0000104	VOLUME	412903.281	3728222.719	8.84
LOCATION	L0000105	VOLUME	412903.119	3728247.718	8.75
LOCATION	L0000106	VOLUME	412902.957	3728272.718	8.83
LOCATION	L0000107	VOLUME	412902.796	3728297.717	8.89
LOCATION	L0000108	VOLUME	412902.634	3728322.717	8.71
LOCATION	L0000109	VOLUME	412902.472	3728347.716	8.80
LOCATION	L0000110	VOLUME	412902.311	3728372.715	8.93
LOCATION	L0000111	VOLUME	412902.149	3728397.715	9.12
LOCATION	L0000112	VOLUME	412901.987	3728422.714	9.07
LOCATION	L0000113	VOLUME	412901.826	3728447.714	9.07
LOCATION	L0000114	VOLUME	412901.664	3728472.713	9.07
LOCATION	L0000115	VOLUME	412901.503	3728497.713	9.00
LOCATION	L0000116	VOLUME	412901.341	3728522.712	8.49
LOCATION	L0000117	VOLUME	412901.179	3728547.712	8.75
LOCATION	L0000118	VOLUME	412901.018	3728572.711	8.85
LOCATION	L0000119	VOLUME	412900.856	3728597.711	8.79
LOCATION	L0000120	VOLUME	412900.694	3728622.710	8.66
LOCATION	L0000121	VOLUME	412913.428	3728634.898	8.23
LOCATION	L0000122	VOLUME	412938.428	3728634.898	8.21
LOCATION	L0000123	VOLUME	412954.066	3728625.512	8.52
LOCATION	L0000124	VOLUME	412954.132	3728600.512	8.68
LOCATION	L0000125	VOLUME	412954.197	3728575.512	8.89
LOCATION	L0000126	VOLUME	412954.262	3728550.512	8.65
LOCATION	L0000127	VOLUME	412954.328	3728525.512	8.61
LOCATION	L0000128	VOLUME	412954.393	3728500.512	8.95
LOCATION	L0000129	VOLUME	412954.459	3728475.512	8.91
LOCATION	L0000130	VOLUME	412954.524	3728450.512	9.07
LOCATION	L0000131	VOLUME	412954.590	3728425.512	9.14
LOCATION	L0000132	VOLUME	412954.655	3728400.513	9.19
LOCATION	L0000133	VOLUME	412954.721	3728375.513	9.10
LOCATION	L0000134	VOLUME	412954.786	3728350.513	9.12
LOCATION	L0000135	VOLUME	412954.851	3728325.513	9.26
LOCATION	L0000136	VOLUME	412954.917	3728300.513	9.02
LOCATION	L0000137	VOLUME	412954.982	3728275.513	8.87
LOCATION	L0000138	VOLUME	412955.048	3728250.513	8.95
LOCATION	L0000139	VOLUME	412955.113	3728225.513	8.94
LOCATION	L0000140	VOLUME	412955.179	3728200.513	9.03
LOCATION	L0000141	VOLUME	412955.244	3728175.513	8.97
LOCATION	L0000142	VOLUME	412955.310	3728150.513	9.00

LOCATION L0000143 VOLUME 412955.375 3728125.513 8.94
LOCATION L0000144 VOLUME 412955.440 3728100.514 9.15

** END OF LINE VOLUME SOURCE ID = SLINE1

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE2

** DESCRSRC PLANT 2

** PREFIX

** LENGTH OF SIDE = 25.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 1.0

** VERTICAL DIMENSION = 25.00

** SZINIT = 11.63

** NODES = 8

** 411332.921, 3722981.392, 3.47, 5.00, 11.63

** 411163.511, 3722498.756, 3.23, 5.00, 11.63

** 411211.043, 3722481.693, 3.64, 5.00, 11.63

** 411374.359, 3722975.298, 3.67, 5.00, 11.63

** 411423.110, 3722961.891, 3.63, 5.00, 11.63

** 411253.700, 3722471.943, 3.83, 5.00, 11.63

** 411302.451, 3722453.661, 3.93, 5.00, 11.63

** 411466.986, 3722952.141, 3.77, 5.00, 11.63

** -----

LOCATION L0000145 VOLUME 411328.781 3722969.597 3.63

LOCATION L0000146 VOLUME 411320.501 3722946.008 3.68

LOCATION L0000147 VOLUME 411312.221 3722922.419 3.79

LOCATION L0000148 VOLUME 411303.941 3722898.830 3.74

LOCATION L0000149 VOLUME 411295.661 3722875.241 3.82

LOCATION L0000150 VOLUME 411287.381 3722851.652 3.89

LOCATION L0000151 VOLUME 411279.101 3722828.063 4.01

LOCATION L0000152 VOLUME 411270.821 3722804.474 4.10

LOCATION L0000153 VOLUME 411262.541 3722780.885 4.27

LOCATION L0000154 VOLUME 411254.261 3722757.296 4.60

LOCATION L0000155 VOLUME 411245.981 3722733.707 4.33

LOCATION L0000156 VOLUME 411237.701 3722710.118 5.42

LOCATION L0000157 VOLUME 411229.421 3722686.529 4.16

LOCATION L0000158 VOLUME 411221.141 3722662.940 3.28

LOCATION L0000159 VOLUME 411212.861 3722639.351 2.99

LOCATION L0000160 VOLUME 411204.581 3722615.762 3.32

LOCATION L0000161 VOLUME 411196.301 3722592.173 3.67

LOCATION L0000162 VOLUME 411188.021 3722568.584 3.56

LOCATION L0000163 VOLUME 411179.741 3722544.995 3.64

LOCATION L0000164 VOLUME 411171.461 3722521.406 3.58

LOCATION L0000165 VOLUME 411164.448 3722498.420 3.33

LOCATION L0000166 VOLUME 411187.978 3722489.973 3.57

LOCATION L0000167 VOLUME 411211.198 3722482.162 3.63

LOCATION L0000168 VOLUME 411219.051 3722505.896 3.62

LOCATION L0000169 VOLUME 411226.904 3722529.631 3.77

LOCATION L0000170 VOLUME 411234.757 3722553.365 3.90

LOCATION L0000171 VOLUME 411242.610 3722577.100 3.72

LOCATION	L0000172	VOLUME	411250.463	3722600.835	3.18
LOCATION	L0000173	VOLUME	411258.316	3722624.569	2.93
LOCATION	L0000174	VOLUME	411266.169	3722648.304	3.68
LOCATION	L0000175	VOLUME	411274.022	3722672.038	4.52
LOCATION	L0000176	VOLUME	411281.874	3722695.773	4.91
LOCATION	L0000177	VOLUME	411289.727	3722719.508	4.81
LOCATION	L0000178	VOLUME	411297.580	3722743.242	4.84
LOCATION	L0000179	VOLUME	411305.433	3722766.977	4.75
LOCATION	L0000180	VOLUME	411313.286	3722790.712	4.18
LOCATION	L0000181	VOLUME	411321.139	3722814.446	4.20
LOCATION	L0000182	VOLUME	411328.992	3722838.181	3.76
LOCATION	L0000183	VOLUME	411336.845	3722861.915	3.59
LOCATION	L0000184	VOLUME	411344.698	3722885.650	3.64
LOCATION	L0000185	VOLUME	411352.551	3722909.385	3.48
LOCATION	L0000186	VOLUME	411360.404	3722933.119	3.63
LOCATION	L0000187	VOLUME	411368.257	3722956.854	3.42
LOCATION	L0000188	VOLUME	411379.732	3722973.820	3.71
LOCATION	L0000189	VOLUME	411403.838	3722967.191	3.78
LOCATION	L0000190	VOLUME	411421.472	3722957.154	3.53
LOCATION	L0000191	VOLUME	411413.303	3722933.527	3.43
LOCATION	L0000192	VOLUME	411405.133	3722909.899	3.62
LOCATION	L0000193	VOLUME	411396.963	3722886.272	3.44
LOCATION	L0000194	VOLUME	411388.794	3722862.645	3.87
LOCATION	L0000195	VOLUME	411380.624	3722839.017	3.80
LOCATION	L0000196	VOLUME	411372.454	3722815.390	4.67
LOCATION	L0000197	VOLUME	411364.285	3722791.762	4.73
LOCATION	L0000198	VOLUME	411356.115	3722768.135	4.88
LOCATION	L0000199	VOLUME	411347.945	3722744.507	4.97
LOCATION	L0000200	VOLUME	411339.775	3722720.880	5.05
LOCATION	L0000201	VOLUME	411331.606	3722697.252	4.93
LOCATION	L0000202	VOLUME	411323.436	3722673.625	4.79
LOCATION	L0000203	VOLUME	411315.266	3722649.998	4.26
LOCATION	L0000204	VOLUME	411307.097	3722626.370	3.46
LOCATION	L0000205	VOLUME	411298.927	3722602.743	3.64
LOCATION	L0000206	VOLUME	411290.757	3722579.115	3.63
LOCATION	L0000207	VOLUME	411282.588	3722555.488	3.60
LOCATION	L0000208	VOLUME	411274.418	3722531.860	3.83
LOCATION	L0000209	VOLUME	411266.248	3722508.233	3.99
LOCATION	L0000210	VOLUME	411258.079	3722484.605	3.76
LOCATION	L0000211	VOLUME	411264.563	3722467.869	3.82
LOCATION	L0000212	VOLUME	411287.972	3722459.091	3.91
LOCATION	L0000213	VOLUME	411305.440	3722462.716	3.90
LOCATION	L0000214	VOLUME	411313.276	3722486.457	3.82
LOCATION	L0000215	VOLUME	411321.112	3722510.197	3.71
LOCATION	L0000216	VOLUME	411328.948	3722533.937	3.34
LOCATION	L0000217	VOLUME	411336.784	3722557.677	3.43
LOCATION	L0000218	VOLUME	411344.620	3722581.417	3.59
LOCATION	L0000219	VOLUME	411352.456	3722605.158	2.96
LOCATION	L0000220	VOLUME	411360.292	3722628.898	3.27
LOCATION	L0000221	VOLUME	411368.128	3722652.638	4.13

LOCATION	L0000222	VOLUME	411375.964	3722676.378	4.66
LOCATION	L0000223	VOLUME	411383.800	3722700.118	4.87
LOCATION	L0000224	VOLUME	411391.636	3722723.859	4.82
LOCATION	L0000225	VOLUME	411399.472	3722747.599	4.63
LOCATION	L0000226	VOLUME	411407.308	3722771.339	4.36
LOCATION	L0000227	VOLUME	411415.144	3722795.079	4.01
LOCATION	L0000228	VOLUME	411422.980	3722818.819	3.77
LOCATION	L0000229	VOLUME	411430.816	3722842.560	3.69
LOCATION	L0000230	VOLUME	411438.652	3722866.300	3.73
LOCATION	L0000231	VOLUME	411446.488	3722890.040	3.77
LOCATION	L0000232	VOLUME	411454.324	3722913.780	3.79
LOCATION	L0000233	VOLUME	411462.160	3722937.520	3.82

** END OF LINE VOLUME SOURCE ID = SLINE2

** SOURCE PARAMETERS **

** LINE VOLUME SOURCE ID = SLINE1

SRCPARAM	L0000001	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000002	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000003	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000004	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000005	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000006	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000007	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000008	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000009	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000010	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000011	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000012	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000013	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000014	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000015	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000016	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000017	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000018	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000019	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000020	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000021	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000022	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000023	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000024	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000025	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000026	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000027	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000028	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000029	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000030	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000031	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000032	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000033	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000034	0.0069444444	5.00	11.63	11.63
SRCPARAM	L0000035	0.0069444444	5.00	11.63	11.63

** -----

URBANSRC ALL

** VARIABLE EMISSIONS TYPE: "BY HOUR / DAY (HRDOW)"

** VARIABLE EMISSION SCENARIO: "SCENARIO 1"

** WEEKDAYS:

EMISFACT L0000001	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000001	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000001	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000001	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000002	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000002	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000002	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000002	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000003	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000003	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000003	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000003	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000004	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000004	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000004	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000004	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000005	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000005	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000005	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000005	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000006	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000006	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000006	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000006	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000007	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000007	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000007	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000007	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000008	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000008	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000008	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000008	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000009	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000009	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000009	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000009	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000010	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000010	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000010	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000010	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000011	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000011	HRDOW	0.0	0.0	9.0	9.0	9.0	9.0
EMISFACT L0000011	HRDOW	0.0	9.0	9.0	9.0	9.0	0.0
EMISFACT L0000011	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

EMISFACT	L0000232	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000232	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000232	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000233	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000233	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000233	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000233	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
SRCGROUP	SRCGP1	L0000001	L0000002	L0000003	L0000004	L0000005	L0000006	
SRCGROUP	SRCGP1	L0000007	L0000008	L0000009	L0000010	L0000011	L0000012	
SRCGROUP	SRCGP1	L0000013	L0000014	L0000015	L0000016	L0000017	L0000018	
SRCGROUP	SRCGP1	L0000019	L0000020	L0000021	L0000022	L0000023	L0000024	
SRCGROUP	SRCGP1	L0000025	L0000026	L0000027	L0000028	L0000029	L0000030	
SRCGROUP	SRCGP1	L0000031	L0000032	L0000033	L0000034	L0000035	L0000036	
SRCGROUP	SRCGP1	L0000037	L0000038	L0000039	L0000040	L0000041	L0000042	
SRCGROUP	SRCGP1	L0000043	L0000044	L0000045	L0000046	L0000047	L0000048	
SRCGROUP	SRCGP1	L0000049	L0000050	L0000051	L0000052	L0000053	L0000054	
SRCGROUP	SRCGP1	L0000055	L0000056	L0000057	L0000058	L0000059	L0000060	
SRCGROUP	SRCGP1	L0000061	L0000062	L0000063	L0000064	L0000065	L0000066	
SRCGROUP	SRCGP1	L0000067	L0000068	L0000069	L0000070	L0000071	L0000072	
SRCGROUP	SRCGP1	L0000073	L0000074	L0000075	L0000076	L0000077	L0000078	
SRCGROUP	SRCGP1	L0000079	L0000080	L0000081	L0000082	L0000083	L0000084	
SRCGROUP	SRCGP1	L0000085	L0000086	L0000087	L0000088	L0000089	L0000090	
SRCGROUP	SRCGP1	L0000091	L0000092	L0000093	L0000094	L0000095	L0000096	
SRCGROUP	SRCGP1	L0000097	L0000098	L0000099	L0000100	L0000101	L0000102	
SRCGROUP	SRCGP1	L0000103	L0000104	L0000105	L0000106	L0000107	L0000108	
SRCGROUP	SRCGP1	L0000109	L0000110	L0000111	L0000112	L0000113	L0000114	
SRCGROUP	SRCGP1	L0000115	L0000116	L0000117	L0000118	L0000119	L0000120	
SRCGROUP	SRCGP1	L0000121	L0000122	L0000123	L0000124	L0000125	L0000126	
SRCGROUP	SRCGP1	L0000127	L0000128	L0000129	L0000130	L0000131	L0000132	
SRCGROUP	SRCGP1	L0000133	L0000134	L0000135	L0000136	L0000137	L0000138	
SRCGROUP	SRCGP1	L0000139	L0000140	L0000141	L0000142	L0000143	L0000144	
SRCGROUP	SRCGP2	L0000145	L0000146	L0000147	L0000148	L0000149	L0000150	
SRCGROUP	SRCGP2	L0000151	L0000152	L0000153	L0000154	L0000155	L0000156	
SRCGROUP	SRCGP2	L0000157	L0000158	L0000159	L0000160	L0000161	L0000162	
SRCGROUP	SRCGP2	L0000163	L0000164	L0000165	L0000166	L0000167	L0000168	
SRCGROUP	SRCGP2	L0000169	L0000170	L0000171	L0000172	L0000173	L0000174	
SRCGROUP	SRCGP2	L0000175	L0000176	L0000177	L0000178	L0000179	L0000180	
SRCGROUP	SRCGP2	L0000181	L0000182	L0000183	L0000184	L0000185	L0000186	
SRCGROUP	SRCGP2	L0000187	L0000188	L0000189	L0000190	L0000191	L0000192	
SRCGROUP	SRCGP2	L0000193	L0000194	L0000195	L0000196	L0000197	L0000198	
SRCGROUP	SRCGP2	L0000199	L0000200	L0000201	L0000202	L0000203	L0000204	
SRCGROUP	SRCGP2	L0000205	L0000206	L0000207	L0000208	L0000209	L0000210	
SRCGROUP	SRCGP2	L0000211	L0000212	L0000213	L0000214	L0000215	L0000216	
SRCGROUP	SRCGP2	L0000217	L0000218	L0000219	L0000220	L0000221	L0000222	
SRCGROUP	SRCGP2	L0000223	L0000224	L0000225	L0000226	L0000227	L0000228	
SRCGROUP	SRCGP2	L0000229	L0000230	L0000231	L0000232	L0000233		

SO FINISHED

**

** AERMOD RECEPTOR PATHWAY

**

**

RE STARTING
INCLUDED OCSD.ROU
RE FINISHED

**

** AERMOD METEOROLOGY PATHWAY

**

**

ME STARTING
SURFFILE JOHNWAYNEINT' LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.SFC
PROFFILE JOHNWAYNEINT' LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.PFL
SURFDATA 93184 2012
UAIRDATA 3190 2012
PROFBASE 17.0 METERS

ME FINISHED

**

** AERMOD OUTPUT PATHWAY

**

**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** AUTO-GENERATED PLOTFILES
PLOTFILE 1 SRCGP1 1ST OCSD.AD\01H1G001.PLT 31
PLOTFILE 1 SRCGP2 1ST OCSD.AD\01H1G002.PLT 32
PLOTFILE PERIOD SRCGP1 OCSD.AD\PE00G001.PLT 33
PLOTFILE PERIOD SRCGP2 OCSD.AD\PE00G002.PLT 34
SUMMFILE OCSD.SUM

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186 3418 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 3418 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 233 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 233 Source(s); 2 Source Group(s); and 5329
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 233 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and
Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 17.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.6 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: OCSD.ERR

**File for Summary of Results: OCSD.SUM

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY	
ID	SOURCE	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)		CATS.	BY						
L0000001		0	0.69444E-02		412742.1	3728630.0	8.0	5.00	11.63
11.63	YES	HRDOW							
L0000002		0	0.69444E-02		412742.9	3728605.0	8.2	5.00	11.63
11.63	YES	HRDOW							
L0000003		0	0.69444E-02		412743.8	3728580.0	8.4	5.00	11.63
11.63	YES	HRDOW							
L0000004		0	0.69444E-02		412744.6	3728555.0	8.2	5.00	11.63
11.63	YES	HRDOW							
L0000005		0	0.69444E-02		412745.4	3728530.1	8.2	5.00	11.63
11.63	YES	HRDOW							
L0000006		0	0.69444E-02		412746.3	3728505.1	7.9	5.00	11.63
11.63	YES	HRDOW							
L0000007		0	0.69444E-02		412747.1	3728480.1	7.7	5.00	11.63
11.63	YES	HRDOW							
L0000008		0	0.69444E-02		412748.0	3728455.1	7.9	5.00	11.63
11.63	YES	HRDOW							
L0000009		0	0.69444E-02		412748.8	3728430.1	8.0	5.00	11.63
11.63	YES	HRDOW							
L0000010		0	0.69444E-02		412749.6	3728405.1	8.0	5.00	11.63
11.63	YES	HRDOW							
L0000011		0	0.69444E-02		412750.5	3728380.1	8.2	5.00	11.63
11.63	YES	HRDOW							
L0000012		0	0.69444E-02		412751.3	3728355.2	8.2	5.00	11.63
11.63	YES	HRDOW							
L0000013		0	0.69444E-02		412752.2	3728330.2	8.4	5.00	11.63
11.63	YES	HRDOW							
L0000014		0	0.69444E-02		412753.0	3728305.2	8.4	5.00	11.63

11.63	YES	HRDOW						
L0000015		0	0.69444E-02	412753.8	3728280.2	8.4	5.00	11.63
11.63	YES	HRDOW						
L0000016		0	0.69444E-02	412754.7	3728255.2	8.4	5.00	11.63
11.63	YES	HRDOW						
L0000017		0	0.69444E-02	412755.5	3728230.2	8.3	5.00	11.63
11.63	YES	HRDOW						
L0000018		0	0.69444E-02	412756.3	3728205.2	8.6	5.00	11.63
11.63	YES	HRDOW						
L0000019		0	0.69444E-02	412757.2	3728180.3	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000020		0	0.69444E-02	412758.0	3728155.3	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000021		0	0.69444E-02	412758.9	3728130.3	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000022		0	0.69444E-02	412759.7	3728105.3	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000023		0	0.69444E-02	412760.5	3728080.3	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000024		0	0.69444E-02	412761.4	3728055.3	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000025		0	0.69444E-02	412762.2	3728030.3	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000026		0	0.69444E-02	412763.1	3728005.3	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000027		0	0.69444E-02	412763.9	3727980.4	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000028		0	0.69444E-02	412764.7	3727955.4	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000029		0	0.69444E-02	412765.6	3727930.4	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000030		0	0.69444E-02	412781.2	3727921.1	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000031		0	0.69444E-02	412806.2	3727921.8	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000032		0	0.69444E-02	412817.3	3727935.6	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000033		0	0.69444E-02	412816.8	3727960.6	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000034		0	0.69444E-02	412816.2	3727985.6	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000035		0	0.69444E-02	412815.6	3728010.6	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000036		0	0.69444E-02	412815.0	3728035.6	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000037		0	0.69444E-02	412814.4	3728060.5	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000038		0	0.69444E-02	412813.8	3728085.5	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000039		0	0.69444E-02	412813.2	3728110.5	9.1	5.00	11.63

11.63 YES HRDOW
 L0000040 0 0.69444E-02 412812.6 3728135.5 9.1 5.00 11.63

11.63 YES HRDOW
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						

L0000041		0	0.69444E-02	412812.0	3728160.5	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000042		0	0.69444E-02	412811.4	3728185.5	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000043		0	0.69444E-02	412810.8	3728210.5	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000044		0	0.69444E-02	412810.2	3728235.5	8.6	5.00	11.63
11.63	YES	HRDOW						
L0000045		0	0.69444E-02	412809.6	3728260.5	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000046		0	0.69444E-02	412809.0	3728285.5	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000047		0	0.69444E-02	412808.4	3728310.5	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000048		0	0.69444E-02	412807.8	3728335.5	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000049		0	0.69444E-02	412807.2	3728360.5	8.6	5.00	11.63
11.63	YES	HRDOW						
L0000050		0	0.69444E-02	412806.7	3728385.5	8.3	5.00	11.63
11.63	YES	HRDOW						
L0000051		0	0.69444E-02	412806.1	3728410.4	8.3	5.00	11.63
11.63	YES	HRDOW						
L0000052		0	0.69444E-02	412805.5	3728435.4	8.7	5.00	11.63
11.63	YES	HRDOW						
L0000053		0	0.69444E-02	412804.9	3728460.4	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000054		0	0.69444E-02	412804.3	3728485.4	8.6	5.00	11.63

11.63	YES	HRDOW						
L0000055		0	0.69444E-02	412803.7	3728510.4	8.5	5.00	11.63
11.63	YES	HRDOW						
L0000056		0	0.69444E-02	412803.1	3728535.4	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000057		0	0.69444E-02	412802.5	3728560.4	8.4	5.00	11.63
11.63	YES	HRDOW						
L0000058		0	0.69444E-02	412801.9	3728585.4	8.5	5.00	11.63
11.63	YES	HRDOW						
L0000059		0	0.69444E-02	412801.3	3728610.4	8.5	5.00	11.63
11.63	YES	HRDOW						
L0000060		0	0.69444E-02	412804.0	3728631.3	8.2	5.00	11.63
11.63	YES	HRDOW						
L0000061		0	0.69444E-02	412828.2	3728625.0	8.3	5.00	11.63
11.63	YES	HRDOW						
L0000062		0	0.69444E-02	412850.0	3728616.9	8.6	5.00	11.63
11.63	YES	HRDOW						
L0000063		0	0.69444E-02	412850.3	3728591.9	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000064		0	0.69444E-02	412850.6	3728566.9	8.7	5.00	11.63
11.63	YES	HRDOW						
L0000065		0	0.69444E-02	412850.9	3728541.9	8.7	5.00	11.63
11.63	YES	HRDOW						
L0000066		0	0.69444E-02	412851.2	3728516.9	8.6	5.00	11.63
11.63	YES	HRDOW						
L0000067		0	0.69444E-02	412851.5	3728491.9	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000068		0	0.69444E-02	412851.8	3728466.9	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000069		0	0.69444E-02	412852.1	3728442.0	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000070		0	0.69444E-02	412852.4	3728417.0	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000071		0	0.69444E-02	412852.7	3728392.0	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000072		0	0.69444E-02	412853.0	3728367.0	8.7	5.00	11.63
11.63	YES	HRDOW						
L0000073		0	0.69444E-02	412853.3	3728342.0	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000074		0	0.69444E-02	412853.6	3728317.0	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000075		0	0.69444E-02	412853.8	3728292.0	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000076		0	0.69444E-02	412854.1	3728267.0	9.3	5.00	11.63
11.63	YES	HRDOW						
L0000077		0	0.69444E-02	412854.4	3728242.0	8.7	5.00	11.63
11.63	YES	HRDOW						
L0000078		0	0.69444E-02	412854.7	3728217.0	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000079		0	0.69444E-02	412855.0	3728192.0	9.1	5.00	11.63

11.63 YES HRDOW
 L0000080 0 0.69444E-02 412855.3 3728167.0 9.1 5.00 11.63

11.63 YES HRDOW
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						

L0000081		0	0.69444E-02	412855.6	3728142.0		9.1	5.00	11.63
11.63	YES	HRDOW							
L0000082		0	0.69444E-02	412855.9	3728117.0		9.2	5.00	11.63
11.63	YES	HRDOW							
L0000083		0	0.69444E-02	412856.2	3728092.0		9.1	5.00	11.63
11.63	YES	HRDOW							
L0000084		0	0.69444E-02	412856.5	3728067.0		9.0	5.00	11.63
11.63	YES	HRDOW							
L0000085		0	0.69444E-02	412856.8	3728042.0		9.0	5.00	11.63
11.63	YES	HRDOW							
L0000086		0	0.69444E-02	412857.1	3728017.0		9.0	5.00	11.63
11.63	YES	HRDOW							
L0000087		0	0.69444E-02	412857.4	3727992.0		9.1	5.00	11.63
11.63	YES	HRDOW							
L0000088		0	0.69444E-02	412857.7	3727967.0		9.0	5.00	11.63
11.63	YES	HRDOW							
L0000089		0	0.69444E-02	412858.0	3727942.0		9.0	5.00	11.63
11.63	YES	HRDOW							
L0000090		0	0.69444E-02	412858.2	3727917.0		8.9	5.00	11.63
11.63	YES	HRDOW							
L0000091		0	0.69444E-02	412862.9	3727908.8		9.2	5.00	11.63
11.63	YES	HRDOW							
L0000092		0	0.69444E-02	412875.3	3727930.5		9.7	5.00	11.63
11.63	YES	HRDOW							
L0000093		0	0.69444E-02	412887.6	3727952.3		10.0	5.00	11.63
11.63	YES	HRDOW							
L0000094		0	0.69444E-02	412900.0	3727974.0		10.0	5.00	11.63

11.63	YES	HRDOW						
L0000095		0	0.69444E-02	412904.7	3727997.7	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000096		0	0.69444E-02	412904.6	3728022.7	8.6	5.00	11.63
11.63	YES	HRDOW						
L0000097		0	0.69444E-02	412904.4	3728047.7	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000098		0	0.69444E-02	412904.2	3728072.7	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000099		0	0.69444E-02	412904.1	3728097.7	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000100		0	0.69444E-02	412903.9	3728122.7	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000101		0	0.69444E-02	412903.8	3728147.7	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000102		0	0.69444E-02	412903.6	3728172.7	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000103		0	0.69444E-02	412903.4	3728197.7	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000104		0	0.69444E-02	412903.3	3728222.7	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000105		0	0.69444E-02	412903.1	3728247.7	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000106		0	0.69444E-02	412903.0	3728272.7	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000107		0	0.69444E-02	412902.8	3728297.7	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000108		0	0.69444E-02	412902.6	3728322.7	8.7	5.00	11.63
11.63	YES	HRDOW						
L0000109		0	0.69444E-02	412902.5	3728347.7	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000110		0	0.69444E-02	412902.3	3728372.7	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000111		0	0.69444E-02	412902.1	3728397.7	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000112		0	0.69444E-02	412902.0	3728422.7	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000113		0	0.69444E-02	412901.8	3728447.7	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000114		0	0.69444E-02	412901.7	3728472.7	9.1	5.00	11.63
11.63	YES	HRDOW						
L0000115		0	0.69444E-02	412901.5	3728497.7	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000116		0	0.69444E-02	412901.3	3728522.7	8.5	5.00	11.63
11.63	YES	HRDOW						
L0000117		0	0.69444E-02	412901.2	3728547.7	8.8	5.00	11.63
11.63	YES	HRDOW						
L0000118		0	0.69444E-02	412901.0	3728572.7	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000119		0	0.69444E-02	412900.9	3728597.7	8.8	5.00	11.63

11.63 YES HRDOW
 L0000120 0 0.69444E-02 412900.7 3728622.7 8.7 5.00 11.63

11.63 YES HRDOW
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						

L0000121		0	0.69444E-02		412913.4	3728634.9	8.2	5.00	11.63
11.63	YES	HRDOW							
L0000122		0	0.69444E-02		412938.4	3728634.9	8.2	5.00	11.63
11.63	YES	HRDOW							
L0000123		0	0.69444E-02		412954.1	3728625.5	8.5	5.00	11.63
11.63	YES	HRDOW							
L0000124		0	0.69444E-02		412954.1	3728600.5	8.7	5.00	11.63
11.63	YES	HRDOW							
L0000125		0	0.69444E-02		412954.2	3728575.5	8.9	5.00	11.63
11.63	YES	HRDOW							
L0000126		0	0.69444E-02		412954.3	3728550.5	8.7	5.00	11.63
11.63	YES	HRDOW							
L0000127		0	0.69444E-02		412954.3	3728525.5	8.6	5.00	11.63
11.63	YES	HRDOW							
L0000128		0	0.69444E-02		412954.4	3728500.5	9.0	5.00	11.63
11.63	YES	HRDOW							
L0000129		0	0.69444E-02		412954.5	3728475.5	8.9	5.00	11.63
11.63	YES	HRDOW							
L0000130		0	0.69444E-02		412954.5	3728450.5	9.1	5.00	11.63
11.63	YES	HRDOW							
L0000131		0	0.69444E-02		412954.6	3728425.5	9.1	5.00	11.63
11.63	YES	HRDOW							
L0000132		0	0.69444E-02		412954.7	3728400.5	9.2	5.00	11.63
11.63	YES	HRDOW							
L0000133		0	0.69444E-02		412954.7	3728375.5	9.1	5.00	11.63
11.63	YES	HRDOW							
L0000134		0	0.69444E-02		412954.8	3728350.5	9.1	5.00	11.63

11.63	YES	HRDOW						
L0000135		0	0.69444E-02	412954.9	3728325.5	9.3	5.00	11.63
11.63	YES	HRDOW						
L0000136		0	0.69444E-02	412954.9	3728300.5	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000137		0	0.69444E-02	412955.0	3728275.5	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000138		0	0.69444E-02	412955.0	3728250.5	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000139		0	0.69444E-02	412955.1	3728225.5	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000140		0	0.69444E-02	412955.2	3728200.5	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000141		0	0.69444E-02	412955.2	3728175.5	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000142		0	0.69444E-02	412955.3	3728150.5	9.0	5.00	11.63
11.63	YES	HRDOW						
L0000143		0	0.69444E-02	412955.4	3728125.5	8.9	5.00	11.63
11.63	YES	HRDOW						
L0000144		0	0.69444E-02	412955.4	3728100.5	9.2	5.00	11.63
11.63	YES	HRDOW						
L0000145		0	0.11236E-01	411328.8	3722969.6	3.6	5.00	11.63
11.63	YES	HRDOW						
L0000146		0	0.11236E-01	411320.5	3722946.0	3.7	5.00	11.63
11.63	YES	HRDOW						
L0000147		0	0.11236E-01	411312.2	3722922.4	3.8	5.00	11.63
11.63	YES	HRDOW						
L0000148		0	0.11236E-01	411303.9	3722898.8	3.7	5.00	11.63
11.63	YES	HRDOW						
L0000149		0	0.11236E-01	411295.7	3722875.2	3.8	5.00	11.63
11.63	YES	HRDOW						
L0000150		0	0.11236E-01	411287.4	3722851.7	3.9	5.00	11.63
11.63	YES	HRDOW						
L0000151		0	0.11236E-01	411279.1	3722828.1	4.0	5.00	11.63
11.63	YES	HRDOW						
L0000152		0	0.11236E-01	411270.8	3722804.5	4.1	5.00	11.63
11.63	YES	HRDOW						
L0000153		0	0.11236E-01	411262.5	3722780.9	4.3	5.00	11.63
11.63	YES	HRDOW						
L0000154		0	0.11236E-01	411254.3	3722757.3	4.6	5.00	11.63
11.63	YES	HRDOW						
L0000155		0	0.11236E-01	411246.0	3722733.7	4.3	5.00	11.63
11.63	YES	HRDOW						
L0000156		0	0.11236E-01	411237.7	3722710.1	5.4	5.00	11.63
11.63	YES	HRDOW						
L0000157		0	0.11236E-01	411229.4	3722686.5	4.2	5.00	11.63
11.63	YES	HRDOW						
L0000158		0	0.11236E-01	411221.1	3722662.9	3.3	5.00	11.63
11.63	YES	HRDOW						
L0000159		0	0.11236E-01	411212.9	3722639.4	3.0	5.00	11.63

11.63 YES HRDOW
 L0000160 0 0.11236E-01 411204.6 3722615.8 3.3 5.00 11.63

11.63 YES HRDOW
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	SY
ID	SOURCE	SCALAR	VARY		ELEV.	HEIGHT	
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)

L0000161	0	0.11236E-01	411196.3	3722592.2	3.7	5.00	11.63
11.63	YES	HRDOW					
L0000162	0	0.11236E-01	411188.0	3722568.6	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000163	0	0.11236E-01	411179.7	3722545.0	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000164	0	0.11236E-01	411171.5	3722521.4	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000165	0	0.11236E-01	411164.4	3722498.4	3.3	5.00	11.63
11.63	YES	HRDOW					
L0000166	0	0.11236E-01	411188.0	3722490.0	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000167	0	0.11236E-01	411211.2	3722482.2	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000168	0	0.11236E-01	411219.1	3722505.9	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000169	0	0.11236E-01	411226.9	3722529.6	3.8	5.00	11.63
11.63	YES	HRDOW					
L0000170	0	0.11236E-01	411234.8	3722553.4	3.9	5.00	11.63
11.63	YES	HRDOW					
L0000171	0	0.11236E-01	411242.6	3722577.1	3.7	5.00	11.63
11.63	YES	HRDOW					
L0000172	0	0.11236E-01	411250.5	3722600.8	3.2	5.00	11.63
11.63	YES	HRDOW					
L0000173	0	0.11236E-01	411258.3	3722624.6	2.9	5.00	11.63
11.63	YES	HRDOW					
L0000174	0	0.11236E-01	411266.2	3722648.3	3.7	5.00	11.63

11.63	YES	HRDOW						
L0000175		0	0.11236E-01	411274.0	3722672.0	4.5	5.00	11.63
11.63	YES	HRDOW						
L0000176		0	0.11236E-01	411281.9	3722695.8	4.9	5.00	11.63
11.63	YES	HRDOW						
L0000177		0	0.11236E-01	411289.7	3722719.5	4.8	5.00	11.63
11.63	YES	HRDOW						
L0000178		0	0.11236E-01	411297.6	3722743.2	4.8	5.00	11.63
11.63	YES	HRDOW						
L0000179		0	0.11236E-01	411305.4	3722767.0	4.8	5.00	11.63
11.63	YES	HRDOW						
L0000180		0	0.11236E-01	411313.3	3722790.7	4.2	5.00	11.63
11.63	YES	HRDOW						
L0000181		0	0.11236E-01	411321.1	3722814.4	4.2	5.00	11.63
11.63	YES	HRDOW						
L0000182		0	0.11236E-01	411329.0	3722838.2	3.8	5.00	11.63
11.63	YES	HRDOW						
L0000183		0	0.11236E-01	411336.8	3722861.9	3.6	5.00	11.63
11.63	YES	HRDOW						
L0000184		0	0.11236E-01	411344.7	3722885.6	3.6	5.00	11.63
11.63	YES	HRDOW						
L0000185		0	0.11236E-01	411352.6	3722909.4	3.5	5.00	11.63
11.63	YES	HRDOW						
L0000186		0	0.11236E-01	411360.4	3722933.1	3.6	5.00	11.63
11.63	YES	HRDOW						
L0000187		0	0.11236E-01	411368.3	3722956.9	3.4	5.00	11.63
11.63	YES	HRDOW						
L0000188		0	0.11236E-01	411379.7	3722973.8	3.7	5.00	11.63
11.63	YES	HRDOW						
L0000189		0	0.11236E-01	411403.8	3722967.2	3.8	5.00	11.63
11.63	YES	HRDOW						
L0000190		0	0.11236E-01	411421.5	3722957.2	3.5	5.00	11.63
11.63	YES	HRDOW						
L0000191		0	0.11236E-01	411413.3	3722933.5	3.4	5.00	11.63
11.63	YES	HRDOW						
L0000192		0	0.11236E-01	411405.1	3722909.9	3.6	5.00	11.63
11.63	YES	HRDOW						
L0000193		0	0.11236E-01	411397.0	3722886.3	3.4	5.00	11.63
11.63	YES	HRDOW						
L0000194		0	0.11236E-01	411388.8	3722862.6	3.9	5.00	11.63
11.63	YES	HRDOW						
L0000195		0	0.11236E-01	411380.6	3722839.0	3.8	5.00	11.63
11.63	YES	HRDOW						
L0000196		0	0.11236E-01	411372.5	3722815.4	4.7	5.00	11.63
11.63	YES	HRDOW						
L0000197		0	0.11236E-01	411364.3	3722791.8	4.7	5.00	11.63
11.63	YES	HRDOW						
L0000198		0	0.11236E-01	411356.1	3722768.1	4.9	5.00	11.63
11.63	YES	HRDOW						
L0000199		0	0.11236E-01	411347.9	3722744.5	5.0	5.00	11.63

11.63 YES HRDOW
 L0000200 0 0.11236E-01 411339.8 3722720.9 5.0 5.00 11.63

11.63 YES HRDOW
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	SY
ID	SOURCE	SCALAR	VARY		ELEV.	HEIGHT	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)

L0000201	0	0.11236E-01	411331.6	3722697.3	4.9	5.00	11.63
11.63	YES	HRDOW					
L0000202	0	0.11236E-01	411323.4	3722673.6	4.8	5.00	11.63
11.63	YES	HRDOW					
L0000203	0	0.11236E-01	411315.3	3722650.0	4.3	5.00	11.63
11.63	YES	HRDOW					
L0000204	0	0.11236E-01	411307.1	3722626.4	3.5	5.00	11.63
11.63	YES	HRDOW					
L0000205	0	0.11236E-01	411298.9	3722602.7	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000206	0	0.11236E-01	411290.8	3722579.1	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000207	0	0.11236E-01	411282.6	3722555.5	3.6	5.00	11.63
11.63	YES	HRDOW					
L0000208	0	0.11236E-01	411274.4	3722531.9	3.8	5.00	11.63
11.63	YES	HRDOW					
L0000209	0	0.11236E-01	411266.2	3722508.2	4.0	5.00	11.63
11.63	YES	HRDOW					
L0000210	0	0.11236E-01	411258.1	3722484.6	3.8	5.00	11.63
11.63	YES	HRDOW					
L0000211	0	0.11236E-01	411264.6	3722467.9	3.8	5.00	11.63
11.63	YES	HRDOW					
L0000212	0	0.11236E-01	411288.0	3722459.1	3.9	5.00	11.63
11.63	YES	HRDOW					
L0000213	0	0.11236E-01	411305.4	3722462.7	3.9	5.00	11.63
11.63	YES	HRDOW					
L0000214	0	0.11236E-01	411313.3	3722486.5	3.8	5.00	11.63

SRCGROUP ID

SOURCE IDs

SRCGP1	L0000001	,	L0000002	,	L0000003	,	L0000004	,	L0000005	,
L0000006	,	L0000007	,	L0000008	,					
	L0000009	,	L0000010	,	L0000011	,	L0000012	,	L0000013	,
L0000014	,	L0000015	,	L0000016	,					
	L0000017	,	L0000018	,	L0000019	,	L0000020	,	L0000021	,
L0000022	,	L0000023	,	L0000024	,					
	L0000025	,	L0000026	,	L0000027	,	L0000028	,	L0000029	,
L0000030	,	L0000031	,	L0000032	,					
	L0000033	,	L0000034	,	L0000035	,	L0000036	,	L0000037	,
L0000038	,	L0000039	,	L0000040	,					
	L0000041	,	L0000042	,	L0000043	,	L0000044	,	L0000045	,
L0000046	,	L0000047	,	L0000048	,					
	L0000049	,	L0000050	,	L0000051	,	L0000052	,	L0000053	,
L0000054	,	L0000055	,	L0000056	,					
	L0000057	,	L0000058	,	L0000059	,	L0000060	,	L0000061	,
L0000062	,	L0000063	,	L0000064	,					
	L0000065	,	L0000066	,	L0000067	,	L0000068	,	L0000069	,
L0000070	,	L0000071	,	L0000072	,					
	L0000073	,	L0000074	,	L0000075	,	L0000076	,	L0000077	,
L0000078	,	L0000079	,	L0000080	,					
	L0000081	,	L0000082	,	L0000083	,	L0000084	,	L0000085	,
L0000086	,	L0000087	,	L0000088	,					
	L0000089	,	L0000090	,	L0000091	,	L0000092	,	L0000093	,
L0000094	,	L0000095	,	L0000096	,					
	L0000097	,	L0000098	,	L0000099	,	L0000100	,	L0000101	,
L0000102	,	L0000103	,	L0000104	,					
	L0000105	,	L0000106	,	L0000107	,	L0000108	,	L0000109	,
L0000110	,	L0000111	,	L0000112	,					
	L0000113	,	L0000114	,	L0000115	,	L0000116	,	L0000117	,
L0000118	,	L0000119	,	L0000120	,					
	L0000121	,	L0000122	,	L0000123	,	L0000124	,	L0000125	,


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L0000126 , L0000127 , L0000128 ,
      L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,
L0000134 , L0000135 , L0000136 ,
      L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,
L0000142 , L0000143 , L0000144 ,
      SRCGP2 L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 ,
      L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 ,
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000166	L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000167 , L0000168 ,
L0000174	L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000175 , L0000176 ,
L0000182	L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000183 , L0000184 ,
L0000190	L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000191 , L0000192 ,
L0000198	L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000199 , L0000200 ,
L0000206	L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000207 , L0000208 ,
L0000214	L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000215 , L0000216 ,
	L0000217 , L0000218 , L0000219 , L0000220 , L0000221 ,

L0000222 , L0000223 , L0000224 ,
 L0000225 , L0000226 , L0000227 , L0000228 , L0000229 ,
 L0000230 , L0000231 , L0000232 ,

L0000233 ,
 *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----	-----	-----	-----	-----
L0000005 L0000008	3010232. L0000006	L0000001 L0000007	L0000002	L0000003	L0000004	
L0000014	L0000009 L0000015	L0000010 L0000016	L0000011	L0000012	L0000013	
L0000022	L0000017 L0000023	L0000018 L0000024	L0000019	L0000020	L0000021	
L0000030	L0000025 L0000031	L0000026 L0000032	L0000027	L0000028	L0000029	
L0000038	L0000033 L0000039	L0000034 L0000040	L0000035	L0000036	L0000037	
L0000046	L0000041 L0000047	L0000042 L0000048	L0000043	L0000044	L0000045	
L0000054	L0000049 L0000055	L0000050 L0000056	L0000051	L0000052	L0000053	
L0000062	L0000057 L0000063	L0000058 L0000064	L0000059	L0000060	L0000061	
L0000070	L0000065 L0000071	L0000066 L0000072	L0000067	L0000068	L0000069	

L0000078 L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
 , L0000079 , L0000080 ,

 L0000086 L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,
 , L0000087 , L0000088 ,

 L0000094 L0000089 , L0000090 , L0000091 , L0000092 , L0000093 ,
 , L0000095 , L0000096 ,

 L0000102 L0000097 , L0000098 , L0000099 , L0000100 , L0000101 ,
 , L0000103 , L0000104 ,

 L0000110 L0000105 , L0000106 , L0000107 , L0000108 , L0000109 ,
 , L0000111 , L0000112 ,

 L0000118 L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,
 , L0000119 , L0000120 ,

 L0000126 L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,
 , L0000127 , L0000128 ,

 L0000134 L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,
 , L0000135 , L0000136 ,

 L0000142 L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,
 , L0000143 , L0000144 ,

 L0000150 L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
 , L0000151 , L0000152 ,

 L0000158 L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
 , L0000159 , L0000160 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000166	L0000161 , L0000167	L0000162 , L0000163 , L0000164 , L0000165 , , L0000168 ,

L0000174 L0000169 , L0000170 , L0000171 , L0000172 , L0000173 ,
 , L0000175 , L0000176 ,

 L0000182 L0000177 , L0000178 , L0000179 , L0000180 , L0000181 ,
 , L0000183 , L0000184 ,

 L0000190 L0000185 , L0000186 , L0000187 , L0000188 , L0000189 ,
 , L0000191 , L0000192 ,

 L0000198 L0000193 , L0000194 , L0000195 , L0000196 , L0000197 ,
 , L0000199 , L0000200 ,

 L0000206 L0000201 , L0000202 , L0000203 , L0000204 , L0000205 ,
 , L0000207 , L0000208 ,

 L0000214 L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,
 , L0000215 , L0000216 ,

 L0000222 L0000217 , L0000218 , L0000219 , L0000220 , L0000221 ,
 , L0000223 , L0000224 ,

 L0000230 L0000225 , L0000226 , L0000227 , L0000228 , L0000229 ,
 , L0000231 , L0000232 ,

 L0000233 ,
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000003 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000004 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000005 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L000006 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000007 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000008 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000009 ; SOURCE TYPE = VOLUME ;
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000010 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000011 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000012 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000013 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000015 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000016 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000017 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000018 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01

17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000021 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000022 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000023 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000024 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000025 ; SOURCE TYPE = VOLUME :

Hour Scalar Hour Scalar Hour Scalar Hour Scalar Hour Scalar
Hour Scalar Hour Scalar Hour Scalar

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
 ^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000026 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000027 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

```

DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***      ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000028	;	SOURCE TYPE = VOLUME	:						
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

```

DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00

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6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20

*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000029 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000030 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000031 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L000032 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20

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*** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000033 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20

*** AERMET - VERSION 16216 *** ***

*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000034 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20

*** AERMET - VERSION 16216 ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000035 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID= L000037 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01					
	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000038 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20
*** AERMET - VERSION 16216 ***
*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000039 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000040 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000041 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00

14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000044 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000045 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L000046 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:48:31

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000047 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000048 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000049 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000050 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000051 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000052 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000053 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000054 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000055 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L000056 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000057 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000058 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000059 ; SOURCE TYPE = VOLUME ;
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20

*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20

*** AERMET - VERSION 16216 *** ***
*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000061 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000062 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000063 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
   14 .0000E+00  15 .0000E+00  16 .0000E+00
   17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00
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                                     ***   05/26/20
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*** MODELOPTs:  RegDFault  CONC  ELEV  URBAN  ADJ_U*

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L0000064      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
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                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01  10 .9000E+01  11 .9000E+01  12 .9000E+01  13 .0000E+00
   14 .9000E+01  15 .9000E+01  16 .9000E+01
   17 .9000E+01  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
   14 .0000E+00  15 .0000E+00  16 .0000E+00
   17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00

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```

                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
   14 .0000E+00  15 .0000E+00  16 .0000E+00
   17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000065 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000066 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000067 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000068 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000069 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000070 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01

17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000071 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000072 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000073 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000074 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10 .0000E+00	11 .0000E+00	12 .0000E+00	13 .0000E+00				
14	.0000E+00	15 .0000E+00	16 .0000E+00						
	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00				
22	.0000E+00	23 .0000E+00	24 .0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10 .0000E+00	11 .0000E+00	12 .0000E+00	13 .0000E+00				
14	.0000E+00	15 .0000E+00	16 .0000E+00						
	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00				
22	.0000E+00	23 .0000E+00	24 .0000E+00						

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000075 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .9000E+01	10 .9000E+01	11 .9000E+01	12 .9000E+01	13 .0000E+00				
14	.9000E+01	15 .9000E+01	16 .9000E+01						
	17 .9000E+01	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00				
22	.0000E+00	23 .0000E+00	24 .0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10 .0000E+00	11 .0000E+00	12 .0000E+00	13 .0000E+00				
14	.0000E+00	15 .0000E+00	16 .0000E+00						
	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00				
22	.0000E+00	23 .0000E+00	24 .0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10 .0000E+00	11 .0000E+00	12 .0000E+00	13 .0000E+00				
14	.0000E+00	15 .0000E+00	16 .0000E+00						
	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00				

22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000076 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000077 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000078 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000079 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000080 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000081 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L000082 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR

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-----
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

```


14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000083 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000085 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID= L0000087 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	17 .9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000089 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000092 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000093 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00

14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000094 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000095 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L0000096 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.9000E+01	10	.9000E+01
11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01
16	.9000E+01	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000097 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.9000E+01	10	.9000E+01
11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01
16	.9000E+01	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000098 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000099 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000100 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000101 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000102 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000105 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L000106 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000107 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000108 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000109 ; SOURCE TYPE = VOLUME ;
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000110 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20

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*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000111 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000112 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000113 ; SOURCE TYPE = VOLUME ;
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000114 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000116 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000117 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000118 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000119 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000120 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01

17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000121 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000122 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000123 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000124 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000126 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000127 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000128 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000129 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000130 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000131 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***
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***                                05/26/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L000132 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR

```

```

-----
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

```

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L000133 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000134 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000135 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000136 ; SOURCE TYPE = VOLUME ;
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID= L0000137 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01					
	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000138 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000139 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000140 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000142 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000143 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00

14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000144 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000145 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L0000146 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.9000E+01	10	.9000E+01
11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01
16	.9000E+01	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000147 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.9000E+01	10	.9000E+01
11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01
16	.9000E+01	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.9000E+01	10	.9000E+01
11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01
16	.9000E+01	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000148 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000149 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000150 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000151 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000152 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01					
	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000153 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000154 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000155 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000156 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000157 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000158 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000159 ; SOURCE TYPE = VOLUME ;
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000160 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***
*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000161 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000162 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000163 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
   14 .0000E+00  15 .0000E+00  16 .0000E+00
   17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000164 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

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                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01  10 .9000E+01  11 .9000E+01  12 .9000E+01  13 .0000E+00
   14 .9000E+01  15 .9000E+01  16 .9000E+01
   17 .9000E+01  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00

```

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                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
   14 .0000E+00  15 .0000E+00  16 .0000E+00
   17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00

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                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
   14 .0000E+00  15 .0000E+00  16 .0000E+00
   17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00

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*** AERMET - VERSION 16216 ***   ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000165 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000166 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000167 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000168 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000169 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000170 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01

17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000171 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000172 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000173 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000174 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000175 ; SOURCE TYPE = VOLUME :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR
1		2		3		4		5	
6		7		8					
9		10		11		12		13	
14		15		16					
17		18		19		20		21	
22		23		24					

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01					
	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000176 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	

DAY OF WEEK = WEEKDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	
14	.9000E+01	15	.9000E+01	16	.9000E+01					
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00					
DAY OF WEEK = SATURDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00					
DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00					

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000177 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000178 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20

*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000179 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20
*** AERMET - VERSION 16216 ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000180 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20
*** AERMET - VERSION 16216 ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000181 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L0000182 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000183 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20

*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000184 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000185 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID= L0000187 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	17 .9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000188 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 ***
*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000189 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 ***
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000190 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000191 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```

SOURCE ID = L0000192      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
                                     DAY OF WEEK = WEEKDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
  6 .0000E+00   7 .0000E+00   8 .0000E+00
   9 .9000E+01  10 .9000E+01  11 .9000E+01  12 .9000E+01  13 .0000E+00
 14 .9000E+01  15 .9000E+01  16 .9000E+01
 17 .9000E+01  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
 22 .0000E+00  23 .0000E+00  24 .0000E+00
                                     DAY OF WEEK = SATURDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
  6 .0000E+00   7 .0000E+00   8 .0000E+00
   9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
 14 .0000E+00  15 .0000E+00  16 .0000E+00
 17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
 22 .0000E+00  23 .0000E+00  24 .0000E+00
                                     DAY OF WEEK = SUNDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
  6 .0000E+00   7 .0000E+00   8 .0000E+00
   9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
 14 .0000E+00  15 .0000E+00  16 .0000E+00
 17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
 22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```

SOURCE ID = L0000193      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
                                     DAY OF WEEK = WEEKDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
  6 .0000E+00   7 .0000E+00   8 .0000E+00
   9 .9000E+01  10 .9000E+01  11 .9000E+01  12 .9000E+01  13 .0000E+00

```

14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000194 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000195 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

```
SOURCE ID = L0000196 ; SOURCE TYPE = VOLUME :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
-----
                                     DAY OF WEEK = WEEKDAY
    1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
    9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
    17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                     DAY OF WEEK = SATURDAY
    1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
    9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
    17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                     DAY OF WEEK = SUNDAY
    1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
    9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
    17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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                                     05/26/20
*** AERMET - VERSION 16216 ***   ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
SOURCE ID = L0000197 ; SOURCE TYPE = VOLUME :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
-----
                                     DAY OF WEEK = WEEKDAY
    1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
    9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
    17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
```

22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000198 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000199 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000200 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000201 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000202 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000203 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000204 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000205 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L000206 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000207 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000208 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000209 ; SOURCE TYPE = VOLUME ;
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000210 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***
*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000211 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 05/26/20
*** AERMET - VERSION 16216 ***
*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000212 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	17 .9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000213 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
	17 .9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17 .0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000215 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000216 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000217 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000218 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000219 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000220 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01

17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000221 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000222 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000223 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000224 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
 14 .9000E+01 15 .9000E+01 16 .9000E+01
 17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000226 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	

DAY OF WEEK = WEEKDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	
14	.9000E+01	15	.9000E+01	16	.9000E+01					
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00					
DAY OF WEEK = SATURDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00					
DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00					

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000227 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000228 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01				
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
---	-----------	---	-----------	---	-----------	---	-----------	---	-----------

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000229 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000230 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000231 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01					
	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L000232		; SOURCE TYPE = VOLUME							
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00
14	.9000E+01	15	.9000E+01	16	.9000E+01					
	17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L000233 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(406928.5, 3720437.0,	0.0,	0.0,	0.0);	(407433.3,
3720437.0,	0.0,	0.0,	0.0);	
(407938.0, 3720437.0,	0.0,	0.0,	0.0);	(408442.8,
3720437.0,	0.0,	0.0,	0.0);	
(408947.5, 3720437.0,	0.0,	0.0,	0.0);	(409452.3,
3720437.0,	0.0,	0.0,	0.0);	
(409957.0, 3720437.0,	0.0,	0.0,	0.0);	(410461.8,
3720437.0,	0.0,	0.0,	0.0);	
(410966.5, 3720437.0,	0.0,	0.0,	0.0);	(411471.3,
3720437.0,	0.2,	0.2,	0.0);	
(411976.0, 3720437.0,	0.1,	0.1,	0.0);	(412480.8,
3720437.0,	0.0,	0.0,	0.0);	
(412985.5, 3720437.0,	3.5,	3.5,	0.0);	(413490.3,
3720437.0,	2.1,	3.0,	0.0);	
(413995.0, 3720437.0,	0.3,	0.3,	0.0);	(414499.8,
3720437.0,	4.1,	28.5,	0.0);	
(415004.5, 3720437.0,	25.8,	25.8,	0.0);	(415509.3,
3720437.0,	24.8,	24.8,	0.0);	
(416014.0, 3720437.0,	25.5,	25.5,	0.0);	(416518.8,
3720437.0,	0.3,	27.0,	0.0);	
(417023.5, 3720437.0,	0.9,	0.9,	0.0);	(406928.5,
3720940.9,	0.0,	0.0,	0.0);	
(407433.3, 3720940.9,	0.0,	0.0,	0.0);	(407938.0,
3720940.9,	0.0,	0.0,	0.0);	
(408442.8, 3720940.9,	0.0,	0.0,	0.0);	(408947.5,
3720940.9,	0.0,	0.0,	0.0);	
(409452.3, 3720940.9,	0.0,	0.0,	0.0);	(409957.0,
3720940.9,	0.0,	0.0,	0.0);	
(410461.8, 3720940.9,	0.0,	0.0,	0.0);	(410966.5,
3720940.9,	0.0,	0.0,	0.0);	
(411471.3, 3720940.9,	1.2,	1.2,	0.0);	(411976.0,
3720940.9,	4.0,	4.0,	0.0);	
(412480.8, 3720940.9,	2.5,	21.0,	0.0);	(412985.5,
3720940.9,	17.5,	18.4,	0.0);	
(413490.3, 3720940.9,	33.8,	33.8,	0.0);	(413995.0,
3720940.9,	19.5,	22.0,	0.0);	
(414499.8, 3720940.9,	27.0,	27.0,	0.0);	(415004.5,
3720940.9,	28.4,	28.4,	0.0);	
(415509.3, 3720940.9,	26.4,	26.4,	0.0);	(416014.0,
3720940.9,	24.4,	24.4,	0.0);	
(416518.8, 3720940.9,	24.9,	24.9,	0.0);	(417023.5,

3720940.9, 4.2, 32.0, 0.0);
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 3721444.8, 0.0, 0.0, 0.0);
 (407938.0, 3721444.8, 0.0, 0.0, 0.0); (408442.8,
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 (408947.5, 3721444.8, 0.0, 0.0, 0.0); (409452.3,
 3721444.8, 0.0, 0.0, 0.0);
 (409957.0, 3721444.8, 0.0, 0.0, 0.0); (410461.8,
 3721444.8, 1.2, 1.2, 0.0);
 (410966.5, 3721444.8, 1.2, 1.2, 0.0); (411471.3,
 3721444.8, 3.9, 3.9, 0.0);
 (411976.0, 3721444.8, 3.1, 3.1, 0.0); (412480.8,
 3721444.8, 16.7, 17.8, 0.0);
 (412985.5, 3721444.8, 32.0, 32.0, 0.0); (413490.3,
 3721444.8, 30.8, 30.8, 0.0);
 (413995.0, 3721444.8, 25.3, 25.3, 0.0); (414499.8,
 3721444.8, 29.3, 29.3, 0.0);
 (415004.5, 3721444.8, 29.5, 29.5, 0.0); (415509.3,
 3721444.8, 28.6, 28.6, 0.0);
 (416014.0, 3721444.8, 26.5, 26.5, 0.0); (416518.8,
 3721444.8, 25.6, 25.6, 0.0);
 (417023.5, 3721444.8, 28.3, 28.3, 0.0); (406928.5,
 3721948.7, 0.0, 0.0, 0.0);
 (407433.3, 3721948.7, 0.0, 0.0, 0.0); (407938.0,
 3721948.7, 0.0, 0.0, 0.0);
 (408442.8, 3721948.7, 0.0, 0.0, 0.0); (408947.5,
 3721948.7, 0.0, 0.0, 0.0);
 (409452.3, 3721948.7, 0.3, 0.3, 0.0); (409957.0,
 3721948.7, 0.0, 0.0, 0.0);
 (410461.8, 3721948.7, 3.8, 3.8, 0.0); (410966.5,
 3721948.7, 1.7, 1.7, 0.0);
 (411471.3, 3721948.7, 1.6, 1.6, 0.0); (411976.0,
 3721948.7, 3.5, 25.5, 0.0);
 (412480.8, 3721948.7, 29.6, 29.6, 0.0); (412985.5,
 3721948.7, 33.3, 33.3, 0.0);
 (413490.3, 3721948.7, 33.3, 33.3, 0.0); (413995.0,
 3721948.7, 28.9, 28.9, 0.0);
 (414499.8, 3721948.7, 27.2, 27.2, 0.0); (415004.5,
 3721948.7, 29.3, 29.3, 0.0);
 (415509.3, 3721948.7, 28.1, 28.1, 0.0); (416014.0,
 3721948.7, 26.4, 26.4, 0.0);
 (416518.8, 3721948.7, 26.4, 26.4, 0.0); (417023.5,
 3721948.7, 30.4, 30.4, 0.0);
 (406928.5, 3722452.7, 0.0, 0.0, 0.0); (407433.3,
 3722452.7, 0.0, 0.0, 0.0);
 (407938.0, 3722452.7, 0.0, 0.0, 0.0); (408442.8,
 3722452.7, 0.0, 0.0, 0.0);
 (408947.5, 3722452.7, 0.2, 0.2, 0.0); (409452.3,
 3722452.7, 1.2, 1.2, 0.0);

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(409957.0, 3722452.7,	3.8,	3.8,	0.0);	(410461.8,
3722452.7, 1.6, 1.6,	0.0);			
(411471.3, 3722452.7,	1.7,	1.7,	0.0);	(411976.0,
3722452.7, 2.1, 2.1,	0.0);			
(412480.8, 3722452.7,	29.2,	29.2,	0.0);	(412985.5,
3722452.7, 31.9, 31.9,	0.0);			
(413490.3, 3722452.7,	31.7,	31.7,	0.0);	(413995.0,
3722452.7, 27.5, 27.5,	0.0);			
(414499.8, 3722452.7,	30.4,	30.4,	0.0);	(415004.5,
3722452.7, 30.2, 30.2,	0.0);			
(415509.3, 3722452.7,	29.4,	29.4,	0.0);	(416014.0,
3722452.7, 26.5, 26.5,	0.0);			
(416518.8, 3722452.7,	26.5,	26.5,	0.0);	(417023.5,
3722452.7, 29.2, 29.2,	0.0);			
(406928.5, 3722956.6,	0.0,	0.0,	0.0);	(407433.3,
3722956.6, 0.0, 0.0,	0.0);			
(407938.0, 3722956.6,	1.2,	1.2,	0.0);	(408442.8,
3722956.6, 1.2, 1.2,	0.0);			
(408947.5, 3722956.6,	4.2,	4.2,	0.0);	(409452.3,
3722956.6, 1.5, 1.5,	0.0);			
(409957.0, 3722956.6,	2.9,	2.9,	0.0);	(410461.8,
3722956.6, 2.1, 2.1,	0.0);			
(410966.5, 3722956.6,	1.8,	1.8,	0.0);	(411976.0,
3722956.6, 3.3, 3.3,	0.0);			
(412480.8, 3722956.6,	24.9,	24.9,	0.0);	(412985.5,
3722956.6, 31.1, 31.1,	0.0);			
(413490.3, 3722956.6,	32.6,	32.6,	0.0);	(413995.0,
3722956.6, 30.6, 30.6,	0.0);			
(414499.8, 3722956.6,	28.1,	28.1,	0.0);	(415004.5,
3722956.6, 28.4, 28.4,	0.0);			
(415509.3, 3722956.6,	27.5,	27.5,	0.0);	(416014.0,
3722956.6, 26.0, 26.0,	0.0);			
(416518.8, 3722956.6,	26.6,	26.6,	0.0);	(417023.5,
3722956.6, 20.6, 20.6,	0.0);			
(406928.5, 3723460.5,	0.0,	0.0,	0.0);	(407433.3,
3723460.5, 0.0, 0.0,	0.0);			
(407938.0, 3723460.5,	1.2,	1.2,	0.0);	(408442.8,
3723460.5, 3.8, 3.8,	0.0);			
(408947.5, 3723460.5,	1.8,	1.8,	0.0);	(409452.3,

3723460.5, 3.6, 3.6, 0.0);
(409957.0, 3723460.5, 2.2, 2.2, 0.0); (410461.8,
3723460.5, 1.6, 1.6, 0.0);
(410966.5, 3723460.5, 2.5, 2.5, 0.0); (411471.3,
3723460.5, 2.1, 2.1, 0.0);
(411976.0, 3723460.5, 2.8, 2.8, 0.0); (412480.8,
3723460.5, 7.5, 27.8, 0.0);
(412985.5, 3723460.5, 27.8, 28.0, 0.0); (413490.3,
3723460.5, 30.2, 30.2, 0.0);
(413995.0, 3723460.5, 28.7, 28.7, 0.0); (414499.8,
3723460.5, 26.0, 26.0, 0.0);
(415004.5, 3723460.5, 26.6, 26.6, 0.0); (415509.3,
3723460.5, 26.5, 26.5, 0.0);
(416014.0, 3723460.5, 26.9, 26.9, 0.0); (416518.8,
3723460.5, 25.4, 25.4, 0.0);
(417023.5, 3723460.5, 20.3, 20.3, 0.0); (406928.5,
3723964.4, 0.0, 0.0, 0.0);
(407433.3, 3723964.4, 0.0, 0.0, 0.0); (407938.0,
3723964.4, 3.9, 8.2, 0.0);
(408442.8, 3723964.4, 1.6, 1.6, 0.0); (408947.5,
3723964.4, 2.7, 2.7, 0.0);
(409452.3, 3723964.4, 1.3, 1.3, 0.0); (409957.0,
3723964.4, 1.4, 1.4, 0.0);
(410461.8, 3723964.4, 1.8, 1.8, 0.0); (410966.5,
3723964.4, 2.2, 2.2, 0.0);
(411471.3, 3723964.4, 2.4, 2.4, 0.0); (411976.0,
3723964.4, 13.1, 27.8, 0.0);
(412480.8, 3723964.4, 26.9, 26.9, 0.0); (412985.5,
3723964.4, 27.2, 27.2, 0.0);
(413490.3, 3723964.4, 27.4, 27.4, 0.0); (413995.0,
3723964.4, 26.3, 26.3, 0.0);
(414499.8, 3723964.4, 26.0, 26.0, 0.0); (415004.5,
3723964.4, 25.7, 25.7, 0.0);
(415509.3, 3723964.4, 25.9, 25.9, 0.0); (416014.0,
3723964.4, 26.2, 26.2, 0.0);
(416518.8, 3723964.4, 25.6, 25.6, 0.0); (417023.5,
3723964.4, 19.9, 19.9, 0.0);
(406928.5, 3724468.3, 0.0, 0.0, 0.0); (407433.3,
3724468.3, 9.6, 9.6, 0.0);
(407938.0, 3724468.3, 2.7, 2.7, 0.0); (408442.8,
3724468.3, 2.0, 2.0, 0.0);
(408947.5, 3724468.3, 1.8, 1.8, 0.0); (409452.3,
3724468.3, 1.8, 1.8, 0.0);
(409957.0, 3724468.3, 1.9, 1.9, 0.0); (410461.8,
3724468.3, 3.9, 3.9, 0.0);
(410966.5, 3724468.3, 2.3, 2.3, 0.0); (411471.3,
3724468.3, 2.2, 2.2, 0.0);
(411976.0, 3724468.3, 1.7, 7.2, 0.0); (412480.8,
3724468.3, 24.9, 24.9, 0.0);
(412985.5, 3724468.3, 24.9, 24.9, 0.0); (413490.3,

3724468.3, 25.4, 25.4, 0.0);
▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413995.0, 3724468.3,	25.4,	25.4,	0.0);	(414499.8,
3724468.3, 24.7,	24.7,	0.0);		
(415004.5, 3724468.3,	23.9,	23.9,	0.0);	(415509.3,
3724468.3, 24.5,	24.5,	0.0);		
(416014.0, 3724468.3,	25.2,	25.2,	0.0);	(416518.8,
3724468.3, 24.7,	24.7,	0.0);		
(417023.5, 3724468.3,	21.1,	21.1,	0.0);	(406928.5,
3724972.3, 11.1,	11.1,	0.0);		
(407433.3, 3724972.3,	11.9,	11.9,	0.0);	(407938.0,
3724972.3, 7.9,	7.9,	0.0);		
(408442.8, 3724972.3,	2.6,	2.6,	0.0);	(408947.5,
3724972.3, 1.6,	1.6,	0.0);		
(409452.3, 3724972.3,	2.0,	2.0,	0.0);	(409957.0,
3724972.3, 2.0,	2.0,	0.0);		
(410461.8, 3724972.3,	2.4,	2.4,	0.0);	(410966.5,
3724972.3, 2.7,	2.7,	0.0);		
(411471.3, 3724972.3,	3.1,	3.1,	0.0);	(411976.0,
3724972.3, 6.5,	8.3,	0.0);		
(412480.8, 3724972.3,	3.6,	25.8,	0.0);	(412985.5,
3724972.3, 24.5,	24.5,	0.0);		
(413490.3, 3724972.3,	22.6,	22.6,	0.0);	(413995.0,
3724972.3, 24.5,	24.5,	0.0);		
(414499.8, 3724972.3,	23.8,	23.8,	0.0);	(415004.5,
3724972.3, 22.5,	23.2,	0.0);		
(415509.3, 3724972.3,	23.3,	23.3,	0.0);	(416014.0,
3724972.3, 23.9,	23.9,	0.0);		
(416518.8, 3724972.3,	22.1,	22.1,	0.0);	(417023.5,
3724972.3, 21.6,	21.6,	0.0);		
(406928.5, 3725476.2,	9.8,	9.8,	0.0);	(407433.3,
3725476.2, 11.6,	11.6,	0.0);		
(407938.0, 3725476.2,	10.9,	10.9,	0.0);	(408442.8,
3725476.2, 2.3,	2.3,	0.0);		
(408947.5, 3725476.2,	2.2,	2.2,	0.0);	(409452.3,
3725476.2, 2.1,	2.1,	0.0);		
(409957.0, 3725476.2,	2.1,	2.1,	0.0);	(410461.8,
3725476.2, 1.7,	1.7,	0.0);		
(410966.5, 3725476.2,	2.3,	2.3,	0.0);	(411471.3,

3725476.2, 2.7, 2.7, 0.0);
 (411976.0, 3725476.2, 3.4, 3.4, 0.0); (412480.8,
 3725476.2, 4.3, 4.3, 0.0);
 (412985.5, 3725476.2, 10.0, 24.6, 0.0); (413490.3,
 3725476.2, 21.4, 21.4, 0.0);
 (413995.0, 3725476.2, 22.4, 22.4, 0.0); (414499.8,
 3725476.2, 22.2, 22.2, 0.0);
 (415004.5, 3725476.2, 21.1, 21.1, 0.0); (415509.3,
 3725476.2, 22.1, 22.1, 0.0);
 (416014.0, 3725476.2, 21.8, 21.8, 0.0); (416518.8,
 3725476.2, 19.9, 19.9, 0.0);
 (417023.5, 3725476.2, 12.2, 19.4, 0.0); (406928.5,
 3725980.1, 16.7, 16.7, 0.0);
 (407433.3, 3725980.1, 11.1, 11.1, 0.0); (407938.0,
 3725980.1, 10.5, 10.5, 0.0);
 (408442.8, 3725980.1, 4.3, 4.3, 0.0); (408947.5,
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 (409452.3, 3725980.1, 2.3, 2.3, 0.0); (409957.0,
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 (410461.8, 3725980.1, 2.6, 2.6, 0.0); (410966.5,
 3725980.1, 2.9, 2.9, 0.0);
 (411471.3, 3725980.1, 3.5, 3.5, 0.0); (411976.0,
 3725980.1, 3.9, 3.9, 0.0);
 (412480.8, 3725980.1, 5.3, 5.3, 0.0); (412985.5,
 3725980.1, 5.6, 5.6, 0.0);
 (413490.3, 3725980.1, 20.4, 20.4, 0.0); (413995.0,
 3725980.1, 20.4, 20.4, 0.0);
 (414499.8, 3725980.1, 19.6, 19.6, 0.0); (415004.5,
 3725980.1, 20.1, 20.1, 0.0);
 (415509.3, 3725980.1, 20.0, 20.0, 0.0); (416014.0,
 3725980.1, 19.0, 19.0, 0.0);
 (416518.8, 3725980.1, 16.5, 16.5, 0.0); (417023.5,
 3725980.1, 16.6, 23.0, 0.0);
 (406928.5, 3726484.0, 14.4, 14.4, 0.0); (407433.3,
 3726484.0, 12.9, 12.9, 0.0);
 (407938.0, 3726484.0, 12.0, 12.0, 0.0); (408442.8,
 3726484.0, 13.5, 13.5, 0.0);
 (408947.5, 3726484.0, 3.0, 3.0, 0.0); (409452.3,
 3726484.0, 3.1, 3.1, 0.0);
 (409957.0, 3726484.0, 2.7, 2.7, 0.0); (410461.8,
 3726484.0, 2.8, 2.8, 0.0);
 (410966.5, 3726484.0, 3.8, 3.8, 0.0); (411471.3,
 3726484.0, 3.9, 3.9, 0.0);
 (411976.0, 3726484.0, 4.4, 4.4, 0.0); (412480.8,
 3726484.0, 3.0, 5.0, 0.0);
 (412985.5, 3726484.0, 6.7, 6.7, 0.0); (413490.3,
 3726484.0, 19.5, 19.5, 0.0);
 (413995.0, 3726484.0, 18.7, 18.7, 0.0); (414499.8,
 3726484.0, 16.7, 16.7, 0.0);
 (415004.5, 3726484.0, 17.7, 17.7, 0.0); (415509.3,

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3726484.0,    17.4,    17.4,    0.0);
( 416014.0, 3726484.0,    15.4,    15.4,    0.0);    ( 416518.8,
3726484.0,    14.2,    14.2,    0.0);
^ *** AERMOD - VERSION 19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                ***
                                05/26/20
*** AERMET - VERSION 16216 ***    ***
***                                ***
                                16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 417023.5, 3726484.0,    12.9,    12.9,    0.0);    ( 406928.5,
3726987.9,    22.0,    22.0,    0.0);
( 407433.3, 3726987.9,    16.7,    27.9,    0.0);    ( 407938.0,
3726987.9,    15.0,    15.0,    0.0);
( 408442.8, 3726987.9,    16.5,    16.5,    0.0);    ( 408947.5,
3726987.9,    2.6,    2.6,    0.0);
( 409452.3, 3726987.9,    3.9,    3.9,    0.0);    ( 409957.0,
3726987.9,    3.0,    3.0,    0.0);
( 410461.8, 3726987.9,    3.5,    3.5,    0.0);    ( 410966.5,
3726987.9,    3.9,    3.9,    0.0);
( 411471.3, 3726987.9,    3.3,    3.3,    0.0);    ( 411976.0,
3726987.9,    4.9,    4.9,    0.0);
( 412480.8, 3726987.9,    7.2,    8.8,    0.0);    ( 412985.5,
3726987.9,    11.6,    15.8,    0.0);
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( 414499.8, 3726987.9,    15.3,    15.3,    0.0);    ( 415004.5,
3726987.9,    15.4,    15.4,    0.0);
( 415509.3, 3726987.9,    14.4,    14.4,    0.0);    ( 416014.0,
3726987.9,    14.3,    14.3,    0.0);
( 416518.8, 3726987.9,    12.9,    12.9,    0.0);    ( 417023.5,
3726987.9,    13.0,    13.0,    0.0);
( 406928.5, 3727491.9,    30.1,    30.1,    0.0);    ( 407433.3,
3727491.9,    20.8,    20.8,    0.0);
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3727491.9,    18.0,    18.0,    0.0);
( 408947.5, 3727491.9,    17.4,    17.4,    0.0);    ( 409452.3,
3727491.9,    4.2,    4.2,    0.0);
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3727491.9,    2.8,    2.8,    0.0);
( 410966.5, 3727491.9,    4.2,    4.2,    0.0);    ( 411471.3,
3727491.9,    3.3,    3.3,    0.0);
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3727491.9,    6.5,    6.5,    0.0);
( 412985.5, 3727491.9,    5.6,    5.6,    0.0);    ( 413490.3,

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3727491.9, 14.3, 14.3, 0.0);
(413995.0, 3727491.9, 13.9, 13.9, 0.0); (414499.8,
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(415004.5, 3727491.9, 11.8, 11.8, 0.0); (415509.3,
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(409452.3, 3727995.8, 4.6, 4.6, 0.0); (409957.0,
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(411471.3, 3727995.8, 5.3, 5.3, 0.0); (411976.0,
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(412985.5, 3727995.8, 4.4, 11.3, 0.0); (413490.3,
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(413995.0, 3727995.8, 10.9, 10.9, 0.0); (414499.8,
3727995.8, 10.6, 10.6, 0.0);
(415004.5, 3727995.8, 18.8, 18.8, 0.0); (415509.3,
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(416014.0, 3727995.8, 7.6, 15.1, 0.0); (416518.8,
3727995.8, 9.8, 15.8, 0.0);
(417023.5, 3727995.8, 9.9, 9.9, 0.0); (406928.5,
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(407433.3, 3728499.7, 13.5, 13.5, 0.0); (407938.0,
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(408442.8, 3728499.7, 18.5, 18.5, 0.0); (408947.5,
3728499.7, 4.6, 17.9, 0.0);
(409452.3, 3728499.7, 5.2, 5.2, 0.0); (409957.0,
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(410461.8, 3728499.7, 4.8, 4.8, 0.0); (410966.5,
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(412480.8, 3728499.7, 7.8, 7.8, 0.0); (413490.3,
3728499.7, 8.8, 8.8, 0.0);
(413995.0, 3728499.7, 9.8, 9.8, 0.0); (414499.8,
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(415004.5, 3728499.7, 10.4, 10.4, 0.0); (415509.3,
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(416014.0, 3728499.7, 9.3, 9.3, 0.0); (416518.8,
3728499.7, 10.8, 10.8, 0.0);
(417023.5, 3728499.7, 10.4, 10.4, 0.0); (406928.5,
3729003.6, 15.4, 15.4, 0.0);
(407433.3, 3729003.6, 18.1, 18.1, 0.0); (407938.0,


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3729003.6, 18.2, 18.2, 0.0);
( 408442.8, 3729003.6, 18.0, 18.0, 0.0); ( 408947.5,
3729003.6, 16.8, 16.8, 0.0);
( 409452.3, 3729003.6, 6.5, 6.5, 0.0); ( 409957.0,
3729003.6, 5.5, 5.5, 0.0);
^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***
*** AERMET - VERSION 16216 *** ***
*** 05/26/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 410461.8, 3729003.6, 4.3, 4.3, 0.0); ( 410966.5,
3729003.6, 6.6, 6.6, 0.0);
( 411471.3, 3729003.6, 7.5, 7.5, 0.0); ( 411976.0,
3729003.6, 7.1, 7.1, 0.0);
( 412480.8, 3729003.6, 7.7, 7.7, 0.0); ( 412985.5,
3729003.6, 9.0, 9.0, 0.0);
( 413490.3, 3729003.6, 7.5, 12.8, 0.0); ( 413995.0,
3729003.6, 10.6, 10.6, 0.0);
( 414499.8, 3729003.6, 10.7, 10.7, 0.0); ( 415004.5,
3729003.6, 10.8, 10.8, 0.0);
( 415509.3, 3729003.6, 10.1, 10.1, 0.0); ( 416014.0,
3729003.6, 10.1, 10.1, 0.0);
( 416518.8, 3729003.6, 10.9, 10.9, 0.0); ( 417023.5,
3729003.6, 10.8, 10.8, 0.0);
( 406928.5, 3729507.5, 11.8, 11.8, 0.0); ( 407433.3,
3729507.5, 16.4, 16.4, 0.0);
( 407938.0, 3729507.5, 14.7, 14.7, 0.0); ( 408442.8,
3729507.5, 13.2, 13.2, 0.0);
( 408947.5, 3729507.5, 12.7, 14.5, 0.0); ( 409452.3,
3729507.5, 7.5, 7.5, 0.0);
( 409957.0, 3729507.5, 6.6, 6.6, 0.0); ( 410461.8,
3729507.5, 6.5, 6.5, 0.0);
( 410966.5, 3729507.5, 7.5, 7.5, 0.0); ( 411471.3,
3729507.5, 7.8, 7.8, 0.0);
( 411976.0, 3729507.5, 9.7, 17.5, 0.0); ( 412480.8,
3729507.5, 8.5, 8.5, 0.0);
( 412985.5, 3729507.5, 9.4, 9.4, 0.0); ( 413490.3,
3729507.5, 10.3, 10.3, 0.0);
( 413995.0, 3729507.5, 11.4, 11.4, 0.0); ( 414499.8,
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( 415004.5, 3729507.5, 11.6, 11.6, 0.0); ( 415509.3,
3729507.5, 11.1, 11.1, 0.0);
( 416014.0, 3729507.5, 11.7, 11.7, 0.0); ( 416518.8,

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3729507.5, 13.4, 13.4, 0.0);
 (417023.5, 3729507.5, 12.3, 12.3, 0.0); (406928.5,
 3730011.5, -1.6, -1.6, 0.0);
 (407433.3, 3730011.5, 8.1, 8.1, 0.0); (407938.0,
 3730011.5, 9.3, 9.3, 0.0);
 (408442.8, 3730011.5, 9.1, 9.1, 0.0); (408947.5,
 3730011.5, 9.1, 9.1, 0.0);
 (409452.3, 3730011.5, 7.8, 7.8, 0.0); (409957.0,
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 (410461.8, 3730011.5, 8.1, 8.1, 0.0); (410966.5,
 3730011.5, 8.9, 8.9, 0.0);
 (411471.3, 3730011.5, 10.2, 10.2, 0.0); (411976.0,
 3730011.5, 8.4, 8.4, 0.0);
 (412480.8, 3730011.5, 9.2, 9.2, 0.0); (412985.5,
 3730011.5, 8.7, 8.7, 0.0);
 (413490.3, 3730011.5, 11.2, 11.2, 0.0); (413995.0,
 3730011.5, 12.4, 12.4, 0.0);
 (414499.8, 3730011.5, 12.3, 12.3, 0.0); (415004.5,
 3730011.5, 12.3, 12.3, 0.0);
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 (416518.8, 3730011.5, 12.1, 12.1, 0.0); (417023.5,
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 (407938.0, 3730515.4, 11.4, 11.4, 0.0); (408442.8,
 3730515.4, 9.4, 9.4, 0.0);
 (408947.5, 3730515.4, 7.3, 7.3, 0.0); (409452.3,
 3730515.4, 8.4, 8.4, 0.0);
 (409957.0, 3730515.4, 8.0, 8.0, 0.0); (410461.8,
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 (410966.5, 3730515.4, 10.0, 10.0, 0.0); (411471.3,
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 (411976.0, 3730515.4, 10.2, 10.2, 0.0); (412480.8,
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 (412985.5, 3730515.4, 10.1, 10.1, 0.0); (413490.3,
 3730515.4, 11.7, 11.7, 0.0);
 (413995.0, 3730515.4, 12.5, 12.5, 0.0); (414499.8,
 3730515.4, 13.4, 13.4, 0.0);
 (415004.5, 3730515.4, 13.7, 13.7, 0.0); (415509.3,
 3730515.4, 12.8, 12.8, 0.0);
 (416014.0, 3730515.4, 13.3, 13.3, 0.0); (416518.8,
 3730515.4, 12.2, 12.2, 0.0);
 (417023.5, 3730515.4, 13.2, 13.2, 0.0); (410498.8,
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 (410518.8, 3722355.3, 1.6, 1.6, 0.0); (410538.8,
 3722355.3, 1.6, 1.6, 0.0);
 (410558.8, 3722355.3, 1.7, 1.7, 0.0); (410578.8,
 3722355.3, 1.7, 1.7, 0.0);
 (410598.8, 3722355.3, 2.5, 2.5, 0.0); (410618.8,

3722355.3, 1.7, 1.7, 0.0);
 (410638.8, 3722355.3, 1.7, 3.0, 0.0); (410658.8,
 3722355.3, 3.0, 3.0, 0.0);
 (410678.8, 3722355.3, 3.4, 3.4, 0.0); (410698.8,
 3722355.3, 3.3, 3.3, 0.0);
 (410718.8, 3722355.3, 3.3, 3.3, 0.0); (410738.8,
 3722355.3, 2.6, 2.6, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410498.8, 3722375.3, 1.6, 1.6, 0.0); (410518.8,
 3722375.3, 1.6, 1.6, 0.0);
 (410538.8, 3722375.3, 1.6, 1.6, 0.0); (410558.8,
 3722375.3, 1.8, 1.8, 0.0);
 (410578.8, 3722375.3, 2.5, 2.5, 0.0); (410598.8,
 3722375.3, 1.7, 1.7, 0.0);
 (410618.8, 3722375.3, 1.7, 3.3, 0.0); (410638.8,
 3722375.3, 3.1, 3.1, 0.0);
 (410658.8, 3722375.3, 3.5, 3.5, 0.0); (410678.8,
 3722375.3, 3.2, 3.2, 0.0);
 (410698.8, 3722375.3, 2.9, 2.9, 0.0); (410718.8,
 3722375.3, 3.3, 3.3, 0.0);
 (410738.8, 3722375.3, 3.2, 3.2, 0.0); (410758.8,
 3722375.3, 2.3, 2.3, 0.0);
 (410498.8, 3722395.3, 1.6, 1.6, 0.0); (410518.8,
 3722395.3, 1.6, 1.6, 0.0);
 (410538.8, 3722395.3, 1.6, 1.6, 0.0); (410558.8,
 3722395.3, 2.3, 2.3, 0.0);
 (410578.8, 3722395.3, 1.7, 1.7, 0.0); (410598.8,
 3722395.3, 1.7, 1.7, 0.0);
 (410618.8, 3722395.3, 3.0, 3.3, 0.0); (410638.8,
 3722395.3, 3.6, 3.6, 0.0);
 (410658.8, 3722395.3, 3.4, 3.4, 0.0); (410678.8,
 3722395.3, 3.0, 3.0, 0.0);
 (410698.8, 3722395.3, 3.0, 3.0, 0.0); (410718.8,
 3722395.3, 2.9, 2.9, 0.0);
 (410738.8, 3722395.3, 3.3, 3.3, 0.0); (410758.8,
 3722395.3, 3.0, 3.0, 0.0);
 (410778.8, 3722395.3, 2.3, 2.3, 0.0); (410498.8,
 3722415.3, 1.8, 1.8, 0.0);
 (410518.8, 3722415.3, 1.6, 1.6, 0.0); (410538.8,

3722415.3, 2.1, 2.1, 0.0);
(410558.8, 3722415.3, 1.9, 1.9, 0.0); (410578.8,
3722415.3, 1.6, 1.6, 0.0);
(410598.8, 3722415.3, 2.7, 3.4, 0.0); (410618.8,
3722415.3, 3.6, 3.6, 0.0);
(410638.8, 3722415.3, 3.5, 3.5, 0.0); (410658.8,
3722415.3, 3.1, 3.1, 0.0);
(410678.8, 3722415.3, 3.3, 3.3, 0.0); (410698.8,
3722415.3, 3.3, 3.3, 0.0);
(410718.8, 3722415.3, 2.8, 2.8, 0.0); (410738.8,
3722415.3, 3.0, 3.0, 0.0);
(410758.8, 3722415.3, 3.3, 3.3, 0.0); (410778.8,
3722415.3, 2.7, 2.7, 0.0);
(410798.8, 3722415.3, 2.2, 2.2, 0.0); (410498.8,
3722435.3, 1.7, 1.7, 0.0);
(410518.8, 3722435.3, 2.0, 2.0, 0.0); (410538.8,
3722435.3, 2.1, 2.1, 0.0);
(410558.8, 3722435.3, 1.6, 1.6, 0.0); (410578.8,
3722435.3, 2.3, 3.4, 0.0);
(410598.8, 3722435.3, 3.6, 3.6, 0.0); (410618.8,
3722435.3, 3.5, 3.5, 0.0);
(410638.8, 3722435.3, 3.1, 3.1, 0.0); (410658.8,
3722435.3, 3.4, 3.4, 0.0);
(410678.8, 3722435.3, 3.6, 3.6, 0.0); (410698.8,
3722435.3, 3.4, 3.4, 0.0);
(410718.8, 3722435.3, 3.0, 3.0, 0.0); (410738.8,
3722435.3, 2.8, 2.8, 0.0);
(410758.8, 3722435.3, 3.2, 3.2, 0.0); (410778.8,
3722435.3, 3.3, 3.3, 0.0);
(410798.8, 3722435.3, 2.2, 2.2, 0.0); (410818.8,
3722435.3, 2.2, 2.2, 0.0);
(410498.8, 3722455.3, 1.6, 1.6, 0.0); (410518.8,
3722455.3, 2.3, 2.3, 0.0);
(410538.8, 3722455.3, 1.7, 1.7, 0.0); (410558.8,
3722455.3, 2.0, 3.3, 0.0);
(410578.8, 3722455.3, 3.5, 3.5, 0.0); (410598.8,
3722455.3, 3.5, 3.5, 0.0);
(410618.8, 3722455.3, 3.1, 3.1, 0.0); (410638.8,
3722455.3, 3.2, 3.2, 0.0);
(410658.8, 3722455.3, 3.6, 3.6, 0.0); (410678.8,
3722455.3, 3.7, 3.7, 0.0);
(410698.8, 3722455.3, 3.3, 3.3, 0.0); (410718.8,
3722455.3, 3.0, 3.0, 0.0);
(410738.8, 3722455.3, 2.8, 2.8, 0.0); (410758.8,
3722455.3, 3.3, 3.3, 0.0);
(410778.8, 3722455.3, 2.7, 2.7, 0.0); (410798.8,
3722455.3, 1.9, 1.9, 0.0);
(410818.8, 3722455.3, 2.0, 2.0, 0.0); (410838.8,
3722455.3, 2.2, 2.2, 0.0);
(410498.8, 3722475.3, 1.9, 1.9, 0.0); (410518.8,

3722475.3, 1.8, 1.8, 0.0);
 (410538.8, 3722475.3, 1.7, 1.7, 0.0); (410558.8,
 3722475.3, 3.1, 3.1, 0.0);
 (410578.8, 3722475.3, 3.5, 3.5, 0.0); (410598.8,
 3722475.3, 3.2, 3.2, 0.0);
 (410618.8, 3722475.3, 3.0, 3.0, 0.0); (410638.8,
 3722475.3, 3.5, 3.5, 0.0);
 (410658.8, 3722475.3, 3.5, 3.5, 0.0); (410678.8,
 3722475.3, 3.6, 3.6, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410698.8, 3722475.3, 3.2, 3.2, 0.0); (410718.8,
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 (410738.8, 3722475.3, 2.8, 2.8, 0.0); (410758.8,
 3722475.3, 3.2, 3.2, 0.0);
 (410778.8, 3722475.3, 2.0, 2.0, 0.0); (410798.8,
 3722475.3, 2.1, 2.1, 0.0);
 (410818.8, 3722475.3, 2.4, 2.4, 0.0); (410838.8,
 3722475.3, 2.1, 2.1, 0.0);
 (410498.8, 3722495.3, 1.9, 1.9, 0.0); (410518.8,
 3722495.3, 1.7, 1.7, 0.0);
 (410538.8, 3722495.3, 2.7, 2.7, 0.0); (410558.8,
 3722495.3, 3.5, 3.5, 0.0);
 (410578.8, 3722495.3, 3.3, 3.3, 0.0); (410598.8,
 3722495.3, 3.0, 3.0, 0.0);
 (410618.8, 3722495.3, 3.2, 3.2, 0.0); (410638.8,
 3722495.3, 3.1, 3.1, 0.0);
 (410658.8, 3722495.3, 3.3, 3.3, 0.0); (410678.8,
 3722495.3, 3.7, 3.7, 0.0);
 (410698.8, 3722495.3, 3.2, 3.2, 0.0); (410718.8,
 3722495.3, 2.8, 2.8, 0.0);
 (410738.8, 3722495.3, 2.8, 2.8, 0.0); (410758.8,
 3722495.3, 2.9, 2.9, 0.0);
 (410778.8, 3722495.3, 1.9, 1.9, 0.0); (410798.8,
 3722495.3, 2.3, 2.3, 0.0);
 (410818.8, 3722495.3, 2.5, 2.5, 0.0); (410838.8,
 3722495.3, 2.3, 2.3, 0.0);
 (410858.8, 3722495.3, 2.2, 2.2, 0.0); (410498.8,
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 (410518.8, 3722515.3, 2.3, 3.5, 0.0); (410538.8,

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(410558.8, 3722515.3, 3.4, 3.4, 0.0); (410578.8,
3722515.3, 2.9, 2.9, 0.0);
(410598.8, 3722515.3, 3.3, 3.3, 0.0); (410618.8,
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(410638.8, 3722515.3, 3.4, 3.4, 0.0); (410658.8,
3722515.3, 3.5, 3.5, 0.0);
(410678.8, 3722515.3, 3.7, 3.7, 0.0); (410698.8,
3722515.3, 3.1, 3.1, 0.0);
(410718.8, 3722515.3, 2.7, 2.7, 0.0); (410738.8,
3722515.3, 2.8, 2.8, 0.0);
(410758.8, 3722515.3, 2.8, 2.8, 0.0); (410778.8,
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(410798.8, 3722515.3, 2.3, 2.3, 0.0); (410818.8,
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(410838.8, 3722515.3, 2.6, 2.6, 0.0); (410858.8,
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(410878.8, 3722515.3, 2.3, 2.3, 0.0); (410498.8,
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3722535.3, 3.4, 3.4, 0.0);
(410558.8, 3722535.3, 3.1, 3.1, 0.0); (410578.8,
3722535.3, 3.0, 3.0, 0.0);
(410598.8, 3722535.3, 3.4, 3.4, 0.0); (410618.8,
3722535.3, 3.6, 3.6, 0.0);
(410638.8, 3722535.3, 3.6, 3.6, 0.0); (410658.8,
3722535.3, 3.6, 3.6, 0.0);
(410678.8, 3722535.3, 3.5, 3.5, 0.0); (410698.8,
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(410718.8, 3722535.3, 2.6, 2.6, 0.0); (410738.8,
3722535.3, 2.8, 2.8, 0.0);
(410758.8, 3722535.3, 2.8, 2.8, 0.0); (410778.8,
3722535.3, 1.8, 1.8, 0.0);
(410798.8, 3722535.3, 2.3, 2.3, 0.0); (410818.8,
3722535.3, 2.6, 2.6, 0.0);
(410838.8, 3722535.3, 2.5, 2.5, 0.0); (410858.8,
3722535.3, 2.4, 2.4, 0.0);
(410878.8, 3722535.3, 2.2, 2.2, 0.0); (410898.8,
3722535.3, 2.3, 2.3, 0.0);
(410498.8, 3722555.3, 2.9, 2.9, 0.0); (410518.8,
3722555.3, 3.2, 3.2, 0.0);
(410538.8, 3722555.3, 3.2, 3.2, 0.0); (410558.8,
3722555.3, 2.9, 2.9, 0.0);
(410578.8, 3722555.3, 3.0, 3.0, 0.0); (410598.8,
3722555.3, 3.1, 3.1, 0.0);
(410618.8, 3722555.3, 3.2, 3.2, 0.0); (410638.8,
3722555.3, 3.1, 3.1, 0.0);
(410658.8, 3722555.3, 3.1, 3.1, 0.0); (410678.8,
3722555.3, 3.0, 3.0, 0.0);
(410698.8, 3722555.3, 2.9, 2.9, 0.0); (410718.8,

3722555.3, 2.6, 2.6, 0.0);
 (410738.8, 3722555.3, 2.8, 2.8, 0.0); (410758.8,
 3722555.3, 2.7, 2.7, 0.0);
 (410778.8, 3722555.3, 1.8, 1.8, 0.0); (410798.8,
 3722555.3, 2.5, 2.5, 0.0);
 (410818.8, 3722555.3, 2.4, 2.4, 0.0); (410838.8,
 3722555.3, 2.3, 2.3, 0.0);
 (410858.8, 3722555.3, 2.1, 2.1, 0.0); (410878.8,
 3722555.3, 2.3, 2.3, 0.0);
 (410898.8, 3722555.3, 2.2, 2.2, 0.0); (410918.8,
 3722555.3, 2.3, 2.3, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410498.8, 3722575.3, 3.3, 3.3, 0.0); (410518.8,
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 (410538.8, 3722575.3, 2.9, 2.9, 0.0); (410558.8,
 3722575.3, 2.7, 2.7, 0.0);
 (410578.8, 3722575.3, 2.8, 2.8, 0.0); (410598.8,
 3722575.3, 2.7, 2.7, 0.0);
 (410618.8, 3722575.3, 2.7, 2.7, 0.0); (410638.8,
 3722575.3, 2.7, 2.7, 0.0);
 (410658.8, 3722575.3, 2.6, 2.6, 0.0); (410678.8,
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 (410698.8, 3722575.3, 2.6, 2.6, 0.0); (410718.8,
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 (410778.8, 3722575.3, 1.9, 1.9, 0.0); (410798.8,
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 (410818.8, 3722575.3, 2.3, 2.3, 0.0); (410838.8,
 3722575.3, 2.0, 2.0, 0.0);
 (410858.8, 3722575.3, 1.9, 1.9, 0.0); (410878.8,
 3722575.3, 2.3, 2.3, 0.0);
 (410898.8, 3722575.3, 2.4, 2.4, 0.0); (410918.8,
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 (410558.8, 3722595.3, 3.2, 3.2, 0.0); (410578.8,

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(410598.8, 3722595.3, 3.0, 3.0, 0.0); (410618.8,
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(410638.8, 3722595.3, 2.9, 2.9, 0.0); (410658.8,
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(410678.8, 3722595.3, 2.8, 2.8, 0.0); (410698.8,
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(410718.8, 3722595.3, 2.8, 2.8, 0.0); (410738.8,
3722595.3, 2.9, 2.9, 0.0);
(410758.8, 3722595.3, 2.6, 2.6, 0.0); (410778.8,
3722595.3, 2.1, 2.1, 0.0);
(410798.8, 3722595.3, 2.2, 2.2, 0.0); (410818.8,
3722595.3, 2.1, 2.1, 0.0);
(410838.8, 3722595.3, 2.1, 2.1, 0.0); (410858.8,
3722595.3, 1.9, 1.9, 0.0);
(410878.8, 3722595.3, 2.3, 2.3, 0.0); (410898.8,
3722595.3, 2.4, 2.4, 0.0);
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(410538.8, 3722615.3, 3.1, 3.1, 0.0); (410558.8,
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(410578.8, 3722615.3, 3.1, 3.1, 0.0); (410598.8,
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(410698.8, 3722615.3, 3.0, 3.0, 0.0); (410718.8,
3722615.3, 3.0, 3.0, 0.0);
(410738.8, 3722615.3, 3.0, 3.0, 0.0); (410758.8,
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(410778.8, 3722615.3, 2.2, 2.2, 0.0); (410798.8,
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(410818.8, 3722615.3, 1.8, 1.8, 0.0); (410838.8,
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(410858.8, 3722615.3, 1.8, 1.8, 0.0); (410878.8,
3722615.3, 1.9, 1.9, 0.0);
(410898.8, 3722615.3, 2.0, 2.0, 0.0); (410918.8,
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(410498.8, 3722635.3, 2.4, 2.4, 0.0); (410518.8,
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(410538.8, 3722635.3, 2.6, 2.6, 0.0); (410558.8,
3722635.3, 2.6, 2.6, 0.0);
(410578.8, 3722635.3, 2.6, 2.6, 0.0); (410598.8,
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(410618.8, 3722635.3, 2.7, 2.7, 0.0); (410638.8,

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 (410658.8, 3722635.3, 2.8, 2.8, 0.0); (410678.8,
 3722635.3, 2.8, 2.8, 0.0);
 (410698.8, 3722635.3, 2.8, 2.8, 0.0); (410718.8,
 3722635.3, 2.8, 2.8, 0.0);
 (410738.8, 3722635.3, 2.8, 2.8, 0.0); (410758.8,
 3722635.3, 2.7, 2.7, 0.0);
 (410778.8, 3722635.3, 2.3, 2.3, 0.0); (410798.8,
 3722635.3, 2.2, 2.2, 0.0);
 (410818.8, 3722635.3, 1.8, 1.8, 0.0); (410838.8,
 3722635.3, 1.9, 1.9, 0.0);
 (410858.8, 3722635.3, 2.0, 2.0, 0.0); (410878.8,
 3722635.3, 2.1, 2.1, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410898.8, 3722635.3, 2.1, 2.1, 0.0); (410918.8,
 3722635.3, 2.0, 2.0, 0.0);
 (410938.8, 3722635.3, 2.1, 2.1, 0.0); (410958.8,
 3722635.3, 2.2, 2.2, 0.0);
 (410978.8, 3722635.3, 2.3, 2.3, 0.0); (410498.8,
 3722655.3, 2.1, 2.1, 0.0);
 (410518.8, 3722655.3, 2.1, 2.1, 0.0); (410538.8,
 3722655.3, 2.1, 2.1, 0.0);
 (410558.8, 3722655.3, 2.2, 2.2, 0.0); (410578.8,
 3722655.3, 2.2, 2.2, 0.0);
 (410598.8, 3722655.3, 2.2, 2.2, 0.0); (410618.8,
 3722655.3, 2.2, 2.2, 0.0);
 (410638.8, 3722655.3, 2.2, 2.2, 0.0); (410658.8,
 3722655.3, 2.3, 2.3, 0.0);
 (410678.8, 3722655.3, 2.3, 2.3, 0.0); (410698.8,
 3722655.3, 2.3, 2.3, 0.0);
 (410718.8, 3722655.3, 2.4, 2.4, 0.0); (410738.8,
 3722655.3, 2.4, 2.4, 0.0);
 (410758.8, 3722655.3, 2.4, 2.4, 0.0); (410778.8,
 3722655.3, 2.4, 2.4, 0.0);
 (410798.8, 3722655.3, 2.1, 2.1, 0.0); (410818.8,
 3722655.3, 1.7, 1.7, 0.0);
 (410838.8, 3722655.3, 2.0, 2.0, 0.0); (410858.8,
 3722655.3, 2.3, 2.3, 0.0);
 (410878.8, 3722655.3, 2.4, 2.4, 0.0); (410898.8,

3722655.3, 2.3, 2.3, 0.0);
(410918.8, 3722655.3, 2.3, 2.3, 0.0); (410938.8,
3722655.3, 2.3, 2.3, 0.0);
(410958.8, 3722655.3, 2.3, 2.3, 0.0); (410978.8,
3722655.3, 2.2, 2.2, 0.0);
(410998.8, 3722655.3, 2.3, 2.3, 0.0); (410498.8,
3722675.3, 2.0, 2.0, 0.0);
(410518.8, 3722675.3, 2.5, 2.5, 0.0); (410538.8,
3722675.3, 2.5, 2.5, 0.0);
(410558.8, 3722675.3, 2.5, 2.5, 0.0); (410578.8,
3722675.3, 2.6, 2.6, 0.0);
(410598.8, 3722675.3, 2.7, 2.7, 0.0); (410618.8,
3722675.3, 2.7, 2.7, 0.0);
(410638.8, 3722675.3, 2.2, 2.2, 0.0); (410658.8,
3722675.3, 2.6, 2.6, 0.0);
(410678.8, 3722675.3, 2.7, 2.7, 0.0); (410698.8,
3722675.3, 2.7, 2.7, 0.0);
(410718.8, 3722675.3, 2.7, 2.7, 0.0); (410738.8,
3722675.3, 2.8, 2.8, 0.0);
(410758.8, 3722675.3, 2.7, 2.7, 0.0); (410778.8,
3722675.3, 2.4, 2.4, 0.0);
(410798.8, 3722675.3, 2.1, 2.1, 0.0); (410818.8,
3722675.3, 1.7, 1.7, 0.0);
(410838.8, 3722675.3, 1.8, 1.8, 0.0); (410858.8,
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(410878.8, 3722675.3, 2.4, 2.4, 0.0); (410898.8,
3722675.3, 2.3, 2.3, 0.0);
(410918.8, 3722675.3, 2.3, 2.3, 0.0); (410938.8,
3722675.3, 2.4, 2.4, 0.0);
(410958.8, 3722675.3, 2.3, 2.3, 0.0); (410978.8,
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(410498.8, 3722695.3, 2.2, 2.2, 0.0); (410518.8,
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(410538.8, 3722695.3, 2.6, 2.6, 0.0); (410558.8,
3722695.3, 2.6, 2.6, 0.0);
(410578.8, 3722695.3, 2.8, 2.8, 0.0); (410598.8,
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(410618.8, 3722695.3, 2.7, 2.7, 0.0); (410638.8,
3722695.3, 2.3, 2.3, 0.0);
(410658.8, 3722695.3, 2.8, 2.8, 0.0); (410678.8,
3722695.3, 2.8, 2.8, 0.0);
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3722695.3, 2.9, 2.9, 0.0);
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3722695.3, 2.8, 2.8, 0.0);
(410778.8, 3722695.3, 2.4, 2.4, 0.0); (410798.8,
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(410818.8, 3722695.3, 1.7, 1.7, 0.0); (410838.8,

3722695.3, 1.9, 1.9, 0.0);
 (410858.8, 3722695.3, 2.2, 2.2, 0.0); (410878.8,
 3722695.3, 2.2, 2.2, 0.0);
 (410898.8, 3722695.3, 2.0, 2.0, 0.0); (410918.8,
 3722695.3, 2.0, 2.0, 0.0);
 (410938.8, 3722695.3, 2.2, 2.2, 0.0); (410958.8,
 3722695.3, 2.2, 2.2, 0.0);
 (410978.8, 3722695.3, 1.9, 1.9, 0.0); (410998.8,
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 (411018.8, 3722695.3, 2.3, 2.3, 0.0); (411038.8,
 3722695.3, 2.2, 2.2, 0.0);
 (410498.8, 3722715.3, 2.4, 2.4, 0.0); (410518.8,
 3722715.3, 2.5, 2.5, 0.0);
 (410538.8, 3722715.3, 2.4, 2.4, 0.0); (410558.8,
 3722715.3, 2.4, 2.4, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410578.8, 3722715.3, 2.6, 2.6, 0.0); (410598.8,
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 (410618.8, 3722715.3, 2.7, 2.7, 0.0); (410638.8,
 3722715.3, 2.2, 2.2, 0.0);
 (410658.8, 3722715.3, 2.7, 2.7, 0.0); (410678.8,
 3722715.3, 2.8, 2.8, 0.0);
 (410698.8, 3722715.3, 2.8, 2.8, 0.0); (410718.8,
 3722715.3, 2.8, 2.8, 0.0);
 (410738.8, 3722715.3, 2.8, 2.8, 0.0); (410758.8,
 3722715.3, 2.8, 2.8, 0.0);
 (410778.8, 3722715.3, 2.4, 2.4, 0.0); (410798.8,
 3722715.3, 2.2, 2.2, 0.0);
 (410818.8, 3722715.3, 1.7, 1.7, 0.0); (410838.8,
 3722715.3, 1.9, 1.9, 0.0);
 (410858.8, 3722715.3, 2.2, 2.2, 0.0); (410878.8,
 3722715.3, 2.2, 2.2, 0.0);
 (410898.8, 3722715.3, 1.8, 1.8, 0.0); (410918.8,
 3722715.3, 1.8, 1.8, 0.0);
 (410938.8, 3722715.3, 2.1, 2.1, 0.0); (410958.8,
 3722715.3, 2.2, 2.2, 0.0);
 (410978.8, 3722715.3, 1.7, 1.7, 0.0); (410998.8,
 3722715.3, 1.9, 1.9, 0.0);
 (411018.8, 3722715.3, 2.2, 2.2, 0.0); (411038.8,

3722715.3, 2.3, 2.3, 0.0);
 (410498.8, 3722735.3, 1.9, 1.9, 0.0); (410518.8,
 3722735.3, 1.9, 1.9, 0.0);
 (410538.8, 3722735.3, 2.0, 2.0, 0.0); (410558.8,
 3722735.3, 2.0, 2.0, 0.0);
 (410578.8, 3722735.3, 2.4, 2.4, 0.0); (410598.8,
 3722735.3, 2.8, 2.8, 0.0);
 (410618.8, 3722735.3, 2.7, 2.7, 0.0); (410638.8,
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 (410658.8, 3722735.3, 2.2, 2.2, 0.0); (410678.8,
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 (410698.8, 3722735.3, 2.3, 2.3, 0.0); (410718.8,
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 (410738.8, 3722735.3, 2.3, 2.3, 0.0); (410758.8,
 3722735.3, 2.5, 2.5, 0.0);
 (410778.8, 3722735.3, 2.5, 2.5, 0.0); (410798.8,
 3722735.3, 2.1, 2.1, 0.0);
 (410818.8, 3722735.3, 1.8, 1.8, 0.0); (410838.8,
 3722735.3, 1.9, 1.9, 0.0);
 (410858.8, 3722735.3, 2.2, 2.2, 0.0); (410878.8,
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 (410898.8, 3722735.3, 2.0, 2.0, 0.0); (410918.8,
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 (410938.8, 3722735.3, 1.7, 1.7, 0.0); (410958.8,
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 (410978.8, 3722735.3, 1.7, 1.7, 0.0); (410998.8,
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 (411018.8, 3722735.3, 2.2, 2.2, 0.0); (411038.8,
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 (410518.8, 3722755.3, 2.4, 2.4, 0.0); (410538.8,
 3722755.3, 2.5, 2.5, 0.0);
 (410558.8, 3722755.3, 2.3, 2.3, 0.0); (410578.8,
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 (410598.8, 3722755.3, 2.8, 2.8, 0.0); (410618.8,
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 (410638.8, 3722755.3, 2.2, 2.2, 0.0); (410658.8,
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 (410678.8, 3722755.3, 2.8, 2.8, 0.0); (410698.8,
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 (410718.8, 3722755.3, 2.8, 2.8, 0.0); (410738.8,
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 (410758.8, 3722755.3, 2.7, 2.7, 0.0); (410778.8,
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 (410798.8, 3722755.3, 2.1, 2.1, 0.0); (410818.8,
 3722755.3, 1.8, 1.8, 0.0);
 (410838.8, 3722755.3, 1.9, 1.9, 0.0); (410858.8,
 3722755.3, 2.2, 2.2, 0.0);
 (410878.8, 3722755.3, 2.3, 2.3, 0.0); (410898.8,

3722755.3, 2.3, 2.3, 0.0);
 (410918.8, 3722755.3, 2.1, 2.1, 0.0); (410938.8,
 3722755.3, 1.7, 1.7, 0.0);
 (410958.8, 3722755.3, 1.6, 1.6, 0.0); (410978.8,
 3722755.3, 1.8, 1.8, 0.0);
 (410998.8, 3722755.3, 1.8, 1.8, 0.0); (411018.8,
 3722755.3, 2.0, 2.0, 0.0);
 (411038.8, 3722755.3, 2.2, 2.2, 0.0); (411058.8,
 3722755.3, 2.2, 2.2, 0.0);
 (411078.8, 3722755.3, 2.3, 2.3, 0.0); (410498.8,
 3722775.3, 2.5, 2.5, 0.0);
 (410518.8, 3722775.3, 2.5, 2.5, 0.0); (410538.8,
 3722775.3, 2.6, 2.6, 0.0);
 (410558.8, 3722775.3, 2.6, 2.6, 0.0); (410578.8,
 3722775.3, 2.6, 2.6, 0.0);
 (410598.8, 3722775.3, 2.8, 2.8, 0.0); (410618.8,
 3722775.3, 2.6, 2.6, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410638.8, 3722775.3, 2.1, 2.1, 0.0); (410658.8,
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 (410678.8, 3722775.3, 2.8, 2.8, 0.0); (410698.8,
 3722775.3, 2.8, 2.8, 0.0);
 (410718.8, 3722775.3, 2.9, 2.9, 0.0); (410738.8,
 3722775.3, 2.9, 2.9, 0.0);
 (410758.8, 3722775.3, 2.8, 2.8, 0.0); (410778.8,
 3722775.3, 2.5, 2.5, 0.0);
 (410798.8, 3722775.3, 2.1, 2.1, 0.0); (410818.8,
 3722775.3, 1.7, 1.7, 0.0);
 (410838.8, 3722775.3, 1.9, 1.9, 0.0); (410858.8,
 3722775.3, 2.1, 2.1, 0.0);
 (410878.8, 3722775.3, 2.0, 2.0, 0.0); (410898.8,
 3722775.3, 2.1, 2.1, 0.0);
 (410918.8, 3722775.3, 2.2, 2.2, 0.0); (410938.8,
 3722775.3, 1.6, 1.6, 0.0);
 (410958.8, 3722775.3, 2.0, 2.0, 0.0); (410978.8,
 3722775.3, 2.2, 2.2, 0.0);
 (410998.8, 3722775.3, 1.9, 1.9, 0.0); (411018.8,
 3722775.3, 1.8, 1.8, 0.0);
 (411038.8, 3722775.3, 2.0, 2.0, 0.0); (411058.8,

3722775.3, 2.2, 2.2, 0.0);
 (411078.8, 3722775.3, 2.3, 2.3, 0.0); (411098.8,
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 (410498.8, 3722795.3, 2.3, 2.3, 0.0); (410518.8,
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 (410538.8, 3722795.3, 2.3, 2.3, 0.0); (410558.8,
 3722795.3, 2.2, 2.2, 0.0);
 (410578.8, 3722795.3, 2.5, 2.5, 0.0); (410598.8,
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 (410618.8, 3722795.3, 2.6, 2.6, 0.0); (410638.8,
 3722795.3, 2.1, 2.1, 0.0);
 (410658.8, 3722795.3, 2.6, 2.6, 0.0); (410678.8,
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 (410738.8, 3722795.3, 2.6, 2.6, 0.0); (410758.8,
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 (410938.8, 3722795.3, 1.8, 1.8, 0.0); (410958.8,
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 (410778.8, 3722815.3, 2.5, 2.5, 0.0); (410798.8,

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 (411098.8, 3722815.3, 2.3, 2.3, 0.0); (411118.8,
 3722815.3, 2.4, 2.4, 0.0);
 (411138.8, 3722815.3, 2.6, 2.6, 0.0); (410498.8,
 3722835.3, 2.3, 2.3, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 3722835.3, 2.4, 2.4, 0.0);
 (410598.8, 3722835.3, 2.6, 2.6, 0.0); (410618.8,
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 (410878.8, 3722835.3, 2.0, 2.0, 0.0); (410898.8,

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 (410958.8, 3722835.3, 2.2, 2.2, 0.0); (410978.8,
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 (410998.8, 3722835.3, 2.2, 2.2, 0.0); (411018.8,
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 (411038.8, 3722835.3, 2.2, 2.2, 0.0); (411058.8,
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 3722835.3, 2.4, 2.4, 0.0);
 (411118.8, 3722835.3, 2.3, 2.3, 0.0); (411138.8,
 3722835.3, 2.4, 2.4, 0.0);
 (410498.8, 3722855.3, 2.4, 2.4, 0.0); (410518.8,
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 (410538.8, 3722855.3, 2.4, 2.4, 0.0); (410558.8,
 3722855.3, 2.4, 2.4, 0.0);
 (410578.8, 3722855.3, 2.4, 2.4, 0.0); (410598.8,
 3722855.3, 2.5, 2.5, 0.0);
 (410618.8, 3722855.3, 2.5, 2.5, 0.0); (410638.8,
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 (410658.8, 3722855.3, 2.6, 2.6, 0.0); (410678.8,
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 (410898.8, 3722855.3, 1.8, 1.8, 0.0); (410918.8,
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 (411098.8, 3722855.3, 2.4, 2.4, 0.0); (411118.8,
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 (411138.8, 3722855.3, 2.3, 2.3, 0.0); (411158.8,
 3722855.3, 2.4, 2.4, 0.0);
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 (410538.8, 3722875.3, 2.1, 2.1, 0.0); (410558.8,

3722875.3, 2.2, 2.2, 0.0);
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 (410618.8, 3722875.3, 2.3, 2.3, 0.0); (410638.8,
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 (410658.8, 3722875.3, 2.3, 2.3, 0.0); (410678.8,
 3722875.3, 2.4, 2.4, 0.0);
 (410698.8, 3722875.3, 2.5, 2.5, 0.0); (410718.8,
 3722875.3, 2.5, 2.5, 0.0);
 (410738.8, 3722875.3, 2.5, 2.5, 0.0); (410758.8,
 3722875.3, 2.5, 2.5, 0.0);
 (410778.8, 3722875.3, 2.4, 2.4, 0.0); (410798.8,
 3722875.3, 2.0, 2.0, 0.0);
 (410818.8, 3722875.3, 1.8, 1.8, 0.0); (410838.8,
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 3722875.3, 1.6, 1.6, 0.0);
 (410898.8, 3722875.3, 1.9, 1.9, 0.0); (410918.8,
 3722875.3, 2.1, 2.1, 0.0);
 (410938.8, 3722875.3, 2.3, 2.3, 0.0); (410958.8,
 3722875.3, 2.3, 2.3, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410978.8, 3722875.3, 1.9, 1.9, 0.0); (410998.8,
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 (411018.8, 3722875.3, 2.2, 2.2, 0.0); (411038.8,
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 (411058.8, 3722875.3, 2.1, 2.1, 0.0); (411078.8,
 3722875.3, 2.1, 2.1, 0.0);
 (411098.8, 3722875.3, 2.4, 2.4, 0.0); (411118.8,
 3722875.3, 2.4, 2.4, 0.0);
 (411138.8, 3722875.3, 2.2, 2.2, 0.0); (411158.8,
 3722875.3, 2.4, 2.4, 0.0);
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 (410518.8, 3722895.3, 1.7, 1.7, 0.0); (410538.8,
 3722895.3, 1.8, 1.8, 0.0);
 (410558.8, 3722895.3, 1.8, 1.8, 0.0); (410578.8,
 3722895.3, 1.8, 1.8, 0.0);
 (410598.8, 3722895.3, 1.8, 1.8, 0.0); (410618.8,

3722895.3, 1.9, 1.9, 0.0);
(410638.8, 3722895.3, 1.9, 1.9, 0.0); (410658.8,
3722895.3, 2.0, 2.0, 0.0);
(410678.8, 3722895.3, 1.9, 1.9, 0.0); (410698.8,
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(410718.8, 3722895.3, 2.1, 2.1, 0.0); (410738.8,
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(410758.8, 3722895.3, 2.2, 2.2, 0.0); (410778.8,
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(410798.8, 3722895.3, 2.3, 2.3, 0.0); (410818.8,
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(410838.8, 3722895.3, 1.7, 1.7, 0.0); (410858.8,
3722895.3, 1.6, 1.6, 0.0);
(410878.8, 3722895.3, 1.9, 1.9, 0.0); (410898.8,
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(410838.8, 3722915.3, 1.7, 1.7, 0.0); (410858.8,
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(410878.8, 3722915.3, 2.1, 2.1, 0.0); (410898.8,

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 (411158.8, 3722915.3, 2.5, 2.5, 0.0); (411178.8,
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 (410578.8, 3722935.3, 2.4, 2.4, 0.0); (410598.8,
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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (410738.8, 3722935.3, 2.8, 2.8, 0.0); (410758.8,
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 (410858.8, 3722935.3, 2.1, 2.1, 0.0); (410878.8,
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 (410898.8, 3722935.3, 2.2, 2.2, 0.0); (410918.8,

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 (410918.8, 3722955.3, 1.9, 1.9, 0.0); (410938.8,
 3722955.3, 1.8, 1.8, 0.0);
 (410958.8, 3722955.3, 1.9, 1.9, 0.0); (410978.8,
 3722955.3, 1.8, 1.8, 0.0);
 (410998.8, 3722955.3, 1.7, 1.7, 0.0); (411018.8,
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 (411038.8, 3722955.3, 2.3, 2.3, 0.0); (411058.8,
 3722955.3, 2.0, 2.0, 0.0);
 (411078.8, 3722955.3, 2.0, 2.0, 0.0); (411098.8,
 3722955.3, 2.2, 2.2, 0.0);
 (411118.8, 3722955.3, 2.2, 2.2, 0.0); (411138.8,
 3722955.3, 2.3, 2.3, 0.0);
 (411158.8, 3722955.3, 2.3, 2.3, 0.0); (411178.8,

3722955.3, 2.3, 2.3, 0.0);
 (411198.8, 3722955.3, 2.2, 2.2, 0.0); (411218.8,
 3722955.3, 2.4, 2.4, 0.0);
 (410498.8, 3722975.3, 2.3, 2.3, 0.0); (410518.8,
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 (410538.8, 3722975.3, 2.3, 2.3, 0.0); (410558.8,
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 (410578.8, 3722975.3, 2.4, 2.4, 0.0); (410598.8,
 3722975.3, 2.0, 2.0, 0.0);
 (410618.8, 3722975.3, 2.4, 2.4, 0.0); (410638.8,
 3722975.3, 2.7, 2.7, 0.0);
 (410658.8, 3722975.3, 2.5, 2.5, 0.0); (410678.8,
 3722975.3, 2.1, 2.1, 0.0);
 (410698.8, 3722975.3, 2.5, 2.5, 0.0); (410718.8,
 3722975.3, 2.7, 2.7, 0.0);
 (410738.8, 3722975.3, 2.7, 2.7, 0.0); (410758.8,
 3722975.3, 2.4, 2.4, 0.0);
 (410778.8, 3722975.3, 2.3, 2.3, 0.0); (410798.8,
 3722975.3, 1.8, 1.8, 0.0);
 (410818.8, 3722975.3, 1.7, 1.7, 0.0); (410838.8,
 3722975.3, 1.7, 1.7, 0.0);
 (410858.8, 3722975.3, 1.7, 1.7, 0.0); (410878.8,
 3722975.3, 1.7, 1.7, 0.0);
 (410898.8, 3722975.3, 1.7, 1.7, 0.0); (410918.8,
 3722975.3, 1.7, 1.7, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410938.8, 3722975.3, 1.7, 1.7, 0.0); (410958.8,
 3722975.3, 1.7, 1.7, 0.0);
 (410978.8, 3722975.3, 1.7, 1.7, 0.0); (410998.8,
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 (411018.8, 3722975.3, 2.1, 2.1, 0.0); (411038.8,
 3722975.3, 2.3, 2.3, 0.0);
 (411058.8, 3722975.3, 2.1, 2.1, 0.0); (411078.8,
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 (411098.8, 3722975.3, 2.1, 2.1, 0.0); (411118.8,
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 (411138.8, 3722975.3, 2.1, 2.1, 0.0); (411158.8,
 3722975.3, 2.1, 2.1, 0.0);
 (411178.8, 3722975.3, 2.2, 2.2, 0.0); (411198.8,

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(411218.8, 3722975.3, 2.4, 2.4, 0.0); (413054.8,
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(413074.8, 3727884.1, 6.3, 6.3, 0.0); (413094.8,
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(413114.8, 3727884.1, 6.7, 6.7, 0.0); (413134.8,
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(413154.8, 3727884.1, 6.3, 6.3, 0.0); (413174.8,
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(413194.8, 3727884.1, 6.5, 6.5, 0.0); (413214.8,
3727884.1, 6.7, 6.7, 0.0);
(413234.8, 3727884.1, 6.8, 6.8, 0.0); (413254.8,
3727884.1, 6.5, 6.5, 0.0);
(413274.8, 3727884.1, 6.9, 6.9, 0.0); (413294.8,
3727884.1, 7.3, 7.3, 0.0);
(413314.8, 3727884.1, 8.1, 8.1, 0.0); (413334.8,
3727884.1, 8.1, 8.1, 0.0);
(413354.8, 3727884.1, 8.0, 8.0, 0.0); (413374.8,
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(413394.8, 3727884.1, 9.6, 12.3, 0.0); (413414.8,
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(413434.8, 3727884.1, 11.9, 11.9, 0.0); (413454.8,
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(413474.8, 3727884.1, 12.5, 12.5, 0.0); (413494.8,
3727884.1, 12.5, 12.5, 0.0);
(413514.8, 3727884.1, 12.0, 12.0, 0.0); (413534.8,
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(413554.8, 3727884.1, 12.8, 12.8, 0.0); (413574.8,
3727884.1, 12.7, 12.7, 0.0);
(413594.8, 3727884.1, 12.0, 12.0, 0.0); (413614.8,
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(413634.8, 3727884.1, 12.8, 12.8, 0.0); (413654.8,
3727884.1, 12.8, 12.8, 0.0);
(413674.8, 3727884.1, 12.5, 12.5, 0.0); (413694.8,
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(413094.8, 3727904.1, 6.4, 6.4, 0.0); (413114.8,
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(413134.8, 3727904.1, 6.8, 6.8, 0.0); (413154.8,
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(413174.8, 3727904.1, 6.3, 6.3, 0.0); (413194.8,
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(413214.8, 3727904.1, 6.7, 6.7, 0.0); (413234.8,
3727904.1, 6.8, 6.8, 0.0);
(413254.8, 3727904.1, 6.7, 6.7, 0.0); (413274.8,
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 (413334.8, 3727904.1, 8.3, 8.3, 0.0); (413354.8,
 3727904.1, 7.9, 7.9, 0.0);
 (413374.8, 3727904.1, 8.9, 8.9, 0.0); (413394.8,
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 (413414.8, 3727904.1, 12.1, 12.1, 0.0); (413434.8,
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 (413494.8, 3727904.1, 12.4, 12.4, 0.0); (413514.8,
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 3727904.1, 12.7, 12.7, 0.0);
 (413574.8, 3727904.1, 12.6, 12.6, 0.0); (413594.8,
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 (413614.8, 3727904.1, 12.2, 12.2, 0.0); (413634.8,
 3727904.1, 12.6, 12.6, 0.0);
 (413654.8, 3727904.1, 12.7, 12.7, 0.0); (413674.8,
 3727904.1, 12.3, 12.3, 0.0);
 (413694.8, 3727904.1, 12.5, 12.5, 0.0); (413714.8,
 3727904.1, 12.7, 12.7, 0.0);
 (413734.8, 3727904.1, 12.7, 12.7, 0.0); (413054.8,
 3727924.1, 6.6, 6.6, 0.0);
 (413074.8, 3727924.1, 6.8, 6.8, 0.0); (413094.8,
 3727924.1, 6.4, 6.4, 0.0);
 (413114.8, 3727924.1, 6.7, 6.7, 0.0); (413134.8,
 3727924.1, 6.8, 6.8, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(413154.8, 3727924.1, 6.9, 6.9, 0.0); (413174.8,
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 (413194.8, 3727924.1, 6.4, 6.4, 0.0); (413214.8,
 3727924.1, 6.8, 6.8, 0.0);
 (413234.8, 3727924.1, 7.0, 7.0, 0.0); (413254.8,
 3727924.1, 7.0, 7.0, 0.0);
 (413274.8, 3727924.1, 6.7, 6.7, 0.0); (413294.8,
 3727924.1, 7.3, 7.3, 0.0);
 (413314.8, 3727924.1, 7.8, 7.8, 0.0); (413334.8,
 3727924.1, 8.1, 8.1, 0.0);
 (413354.8, 3727924.1, 7.9, 7.9, 0.0); (413374.8,

3727924.1, 8.5, 12.2, 0.0);
(413394.8, 3727924.1, 9.4, 12.2, 0.0); (413414.8,
3727924.1, 12.2, 12.2, 0.0);
(413434.8, 3727924.1, 11.7, 11.7, 0.0); (413454.8,
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(413474.8, 3727924.1, 12.3, 12.3, 0.0); (413494.8,
3727924.1, 12.2, 12.2, 0.0);
(413514.8, 3727924.1, 11.7, 11.7, 0.0); (413534.8,
3727924.1, 12.0, 12.0, 0.0);
(413554.8, 3727924.1, 12.5, 12.5, 0.0); (413574.8,
3727924.1, 12.4, 12.4, 0.0);
(413594.8, 3727924.1, 11.8, 11.8, 0.0); (413614.8,
3727924.1, 12.1, 12.1, 0.0);
(413634.8, 3727924.1, 12.4, 12.4, 0.0); (413654.8,
3727924.1, 12.5, 12.5, 0.0);
(413674.8, 3727924.1, 12.2, 12.2, 0.0); (413694.8,
3727924.1, 12.3, 12.3, 0.0);
(413714.8, 3727924.1, 12.6, 12.6, 0.0); (413734.8,
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(413054.8, 3727944.1, 5.0, 11.3, 0.0); (413074.8,
3727944.1, 6.9, 6.9, 0.0);
(413094.8, 3727944.1, 6.7, 6.7, 0.0); (413114.8,
3727944.1, 6.5, 6.5, 0.0);
(413134.8, 3727944.1, 6.9, 6.9, 0.0); (413154.8,
3727944.1, 6.9, 6.9, 0.0);
(413174.8, 3727944.1, 6.8, 6.8, 0.0); (413194.8,
3727944.1, 6.4, 6.4, 0.0);
(413214.8, 3727944.1, 6.8, 6.8, 0.0); (413234.8,
3727944.1, 7.0, 7.0, 0.0);
(413254.8, 3727944.1, 7.0, 7.0, 0.0); (413274.8,
3727944.1, 6.7, 6.7, 0.0);
(413294.8, 3727944.1, 7.0, 7.0, 0.0); (413314.8,
3727944.1, 7.5, 7.5, 0.0);
(413334.8, 3727944.1, 7.8, 7.8, 0.0); (413354.8,
3727944.1, 7.8, 7.8, 0.0);
(413374.8, 3727944.1, 8.6, 8.6, 0.0); (413394.8,
3727944.1, 9.5, 12.2, 0.0);
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(413454.8, 3727944.1, 11.9, 11.9, 0.0); (413474.8,
3727944.1, 12.2, 12.2, 0.0);
(413494.8, 3727944.1, 12.1, 12.1, 0.0); (413514.8,
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(413574.8, 3727944.1, 12.2, 12.2, 0.0); (413594.8,
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(413614.8, 3727944.1, 12.0, 12.0, 0.0); (413634.8,
3727944.1, 12.4, 12.4, 0.0);
(413654.8, 3727944.1, 12.4, 12.4, 0.0); (413674.8,


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  ( 413694.8, 3727944.1,    12.2,    12.2,    0.0);    ( 413714.8,
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  ( 413734.8, 3727944.1,    12.4,    12.4,    0.0);    ( 413054.8,
3727964.1,    3.4,    11.3,    0.0);
  ( 413074.8, 3727964.1,    6.7,    6.7,    0.0);    ( 413094.8,
3727964.1,    6.9,    6.9,    0.0);
  ( 413114.8, 3727964.1,    6.5,    6.5,    0.0);    ( 413134.8,
3727964.1,    6.8,    6.8,    0.0);
  ( 413154.8, 3727964.1,    7.0,    7.0,    0.0);    ( 413174.8,
3727964.1,    7.0,    7.0,    0.0);
  ( 413194.8, 3727964.1,    6.7,    6.7,    0.0);    ( 413214.8,
3727964.1,    6.5,    6.5,    0.0);
  ( 413234.8, 3727964.1,    6.7,    6.7,    0.0);    ( 413254.8,
3727964.1,    6.6,    6.6,    0.0);
  ( 413274.8, 3727964.1,    6.9,    6.9,    0.0);    ( 413294.8,
3727964.1,    7.4,    7.4,    0.0);
  ( 413314.8, 3727964.1,    8.1,    8.1,    0.0);    ( 413334.8,
3727964.1,    8.2,    8.2,    0.0);
  ( 413354.8, 3727964.1,    8.7,    8.7,    0.0);    ( 413374.8,
3727964.1,    9.0,    9.0,    0.0);
  ( 413394.8, 3727964.1,    9.5,    12.1,    0.0);    ( 413414.8,
3727964.1,    12.0,    12.0,    0.0);
  ( 413434.8, 3727964.1,    11.5,    11.5,    0.0);    ( 413454.8,
3727964.1,    11.8,    11.8,    0.0);
  ( 413474.8, 3727964.1,    12.0,    12.0,    0.0);    ( 413494.8,
3727964.1,    12.0,    12.0,    0.0);
  ( 413514.8, 3727964.1,    11.4,    11.4,    0.0);    ( 413534.8,
3727964.1,    11.7,    11.7,    0.0);

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^ *** AERMOD - VERSION 19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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  ( 413594.8, 3727964.1,    11.6,    11.6,    0.0);    ( 413614.8,
3727964.1,    11.9,    11.9,    0.0);
  ( 413634.8, 3727964.1,    12.2,    12.2,    0.0);    ( 413654.8,
3727964.1,    12.2,    12.2,    0.0);
  ( 413674.8, 3727964.1,    11.8,    11.8,    0.0);    ( 413694.8,
3727964.1,    12.1,    12.1,    0.0);
  ( 413714.8, 3727964.1,    12.4,    12.4,    0.0);    ( 413734.8,

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(413134.8, 3727984.1, 6.6, 6.6, 0.0); (413154.8,
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(413174.8, 3727984.1, 7.0, 7.0, 0.0); (413194.8,
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(413254.8, 3727984.1, 6.9, 6.9, 0.0); (413274.8,
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(413334.8, 3727984.1, 9.8, 10.2, 0.0); (413354.8,
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(413734.8, 3727984.1, 12.2, 12.2, 0.0); (413114.8,
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(413174.8, 3728004.1, 7.0, 7.0, 0.0); (413194.8,
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(413214.8, 3728004.1, 6.7, 6.7, 0.0); (413234.8,
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(413254.8, 3728004.1, 7.2, 7.2, 0.0); (413274.8,
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(413294.8, 3728004.1, 10.2, 10.2, 0.0); (413314.8,
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(413334.8, 3728004.1, 10.2, 10.2, 0.0); (413354.8,
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(413374.8, 3728004.1, 10.7, 10.7, 0.0); (413394.8,

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3728004.1,    11.3,    11.3,    0.0);
  ( 413454.8, 3728004.1,    11.4,    11.4,    0.0);    ( 413474.8,
3728004.1,    11.6,    11.6,    0.0);
  ( 413494.8, 3728004.1,    11.5,    11.5,    0.0);    ( 413514.8,
3728004.1,    11.1,    11.1,    0.0);
  ( 413534.8, 3728004.1,    11.4,    11.4,    0.0);    ( 413554.8,
3728004.1,    11.7,    11.7,    0.0);
  ( 413574.8, 3728004.1,    11.9,    11.9,    0.0);    ( 413594.8,
3728004.1,    11.4,    11.4,    0.0);
  ( 413614.8, 3728004.1,    11.7,    11.7,    0.0);    ( 413634.8,
3728004.1,    12.1,    12.1,    0.0);
  ( 413654.8, 3728004.1,    11.9,    11.9,    0.0);    ( 413674.8,
3728004.1,    11.5,    11.5,    0.0);
  ( 413694.8, 3728004.1,    11.6,    11.6,    0.0);    ( 413714.8,
3728004.1,    11.9,    11.9,    0.0);
  ( 413734.8, 3728004.1,    12.1,    12.1,    0.0);    ( 413114.8,
3728024.1,    7.1,    7.1,    0.0);
  ( 413134.8, 3728024.1,    6.9,    6.9,    0.0);    ( 413154.8,
3728024.1,    6.7,    6.7,    0.0);
  ( 413174.8, 3728024.1,    7.1,    7.1,    0.0);    ( 413194.8,
3728024.1,    7.1,    7.1,    0.0);
  ( 413214.8, 3728024.1,    7.0,    7.0,    0.0);    ( 413234.8,
3728024.1,    6.6,    6.6,    0.0);
  ( 413254.8, 3728024.1,    7.2,    7.2,    0.0);    ( 413274.8,
3728024.1,    7.8,    10.2,    0.0);
  ( 413294.8, 3728024.1,    10.2,    10.2,    0.0);    ( 413314.8,
3728024.1,    9.8,    9.8,    0.0);
  ( 413334.8, 3728024.1,    9.8,    9.8,    0.0);    ( 413354.8,
3728024.1,    10.0,    10.0,    0.0);

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^ *** AERMOD - VERSION 19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***                    05/26/20
*** AERMET - VERSION 16216 ***    ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 413374.8, 3728024.1,    10.2,    10.2,    0.0);    ( 413394.8,
3728024.1,    10.5,    10.5,    0.0);
  ( 413414.8, 3728024.1,    10.8,    10.8,    0.0);    ( 413434.8,
3728024.1,    11.1,    11.1,    0.0);
  ( 413454.8, 3728024.1,    11.4,    11.4,    0.0);    ( 413474.8,
3728024.1,    11.7,    11.7,    0.0);
  ( 413494.8, 3728024.1,    11.5,    11.5,    0.0);    ( 413514.8,

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3728024.1, 11.0, 11.0, 0.0);
(413534.8, 3728024.1, 11.3, 11.3, 0.0); (413554.8,
3728024.1, 11.8, 11.8, 0.0);
(413574.8, 3728024.1, 12.0, 12.0, 0.0); (413594.8,
3728024.1, 11.3, 11.3, 0.0);
(413614.8, 3728024.1, 11.6, 11.6, 0.0); (413634.8,
3728024.1, 11.9, 11.9, 0.0);
(413654.8, 3728024.1, 11.8, 11.8, 0.0); (413674.8,
3728024.1, 11.4, 11.4, 0.0);
(413694.8, 3728024.1, 11.5, 11.5, 0.0); (413714.8,
3728024.1, 11.8, 11.8, 0.0);
(413734.8, 3728024.1, 12.0, 12.0, 0.0); (413114.8,
3728044.1, 6.8, 6.8, 0.0);
(413134.8, 3728044.1, 7.1, 7.1, 0.0); (413154.8,
3728044.1, 6.7, 6.7, 0.0);
(413174.8, 3728044.1, 7.0, 7.0, 0.0); (413194.8,
3728044.1, 7.1, 7.1, 0.0);
(413214.8, 3728044.1, 7.0, 7.0, 0.0); (413234.8,
3728044.1, 6.8, 6.8, 0.0);
(413254.8, 3728044.1, 7.2, 7.2, 0.0); (413274.8,
3728044.1, 7.9, 10.2, 0.0);
(413294.8, 3728044.1, 10.2, 10.2, 0.0); (413314.8,
3728044.1, 9.7, 9.7, 0.0);
(413334.8, 3728044.1, 10.0, 10.0, 0.0); (413354.8,
3728044.1, 10.4, 10.4, 0.0);
(413374.8, 3728044.1, 10.7, 10.7, 0.0); (413394.8,
3728044.1, 11.0, 11.0, 0.0);
(413414.8, 3728044.1, 11.4, 11.4, 0.0); (413434.8,
3728044.1, 11.2, 11.2, 0.0);
(413454.8, 3728044.1, 11.3, 11.3, 0.0); (413474.8,
3728044.1, 11.6, 11.6, 0.0);
(413494.8, 3728044.1, 11.4, 11.4, 0.0); (413514.8,
3728044.1, 10.9, 10.9, 0.0);
(413534.8, 3728044.1, 11.2, 11.2, 0.0); (413554.8,
3728044.1, 11.6, 11.6, 0.0);
(413574.8, 3728044.1, 11.8, 11.8, 0.0); (413594.8,
3728044.1, 11.1, 11.1, 0.0);
(413614.8, 3728044.1, 11.4, 11.4, 0.0); (413634.8,
3728044.1, 11.8, 11.8, 0.0);
(413654.8, 3728044.1, 11.6, 11.6, 0.0); (413674.8,
3728044.1, 11.2, 11.2, 0.0);
(413694.8, 3728044.1, 11.4, 11.4, 0.0); (413714.8,
3728044.1, 11.7, 11.7, 0.0);
(413734.8, 3728044.1, 11.8, 11.8, 0.0); (413134.8,
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(413154.8, 3728064.1, 7.0, 7.0, 0.0); (413174.8,
3728064.1, 6.8, 6.8, 0.0);
(413194.8, 3728064.1, 7.0, 7.0, 0.0); (413214.8,
3728064.1, 7.1, 7.1, 0.0);
(413234.8, 3728064.1, 6.9, 6.9, 0.0); (413254.8,

3728064.1, 7.3, 7.3, 0.0);
 (413274.8, 3728064.1, 7.9, 10.1, 0.0); (413294.8,
 3728064.1, 10.1, 10.1, 0.0);
 (413314.8, 3728064.1, 9.6, 9.6, 0.0); (413334.8,
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 (413354.8, 3728064.1, 10.4, 10.4, 0.0); (413374.8,
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 (413394.8, 3728064.1, 10.8, 10.8, 0.0); (413414.8,
 3728064.1, 11.5, 11.5, 0.0);
 (413434.8, 3728064.1, 11.1, 11.1, 0.0); (413454.8,
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 (413474.8, 3728064.1, 11.5, 11.5, 0.0); (413494.8,
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 (413514.8, 3728064.1, 10.8, 10.8, 0.0); (413534.8,
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 (413554.8, 3728064.1, 11.5, 11.5, 0.0); (413574.8,
 3728064.1, 11.6, 11.6, 0.0);
 (413594.8, 3728064.1, 11.0, 11.0, 0.0); (413614.8,
 3728064.1, 11.3, 11.3, 0.0);
 (413634.8, 3728064.1, 11.2, 11.2, 0.0); (413654.8,
 3728064.1, 11.0, 11.0, 0.0);
 (413674.8, 3728064.1, 10.9, 10.9, 0.0); (413694.8,
 3728064.1, 11.0, 11.0, 0.0);
 (413714.8, 3728064.1, 11.1, 11.1, 0.0); (413734.8,
 3728064.1, 11.2, 11.2, 0.0);
 (413134.8, 3728084.1, 6.6, 7.2, 0.0); (413154.8,
 3728084.1, 7.3, 7.3, 0.0);
 (413174.8, 3728084.1, 6.8, 6.8, 0.0); (413194.8,
 3728084.1, 6.8, 6.8, 0.0);
 (413214.8, 3728084.1, 7.2, 7.2, 0.0); (413234.8,
 3728084.1, 6.9, 6.9, 0.0);
 (413254.8, 3728084.1, 7.4, 7.4, 0.0); (413274.8,
 3728084.1, 8.0, 10.0, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(413294.8, 3728084.1, 10.0, 10.0, 0.0); (413314.8,
 3728084.1, 9.6, 9.6, 0.0);
 (413334.8, 3728084.1, 9.8, 9.8, 0.0); (413354.8,
 3728084.1, 10.1, 10.1, 0.0);
 (413374.8, 3728084.1, 10.4, 10.4, 0.0); (413394.8,

3728084.1, 10.7, 10.7, 0.0);
(413414.8, 3728084.1, 11.4, 11.4, 0.0); (413434.8,
3728084.1, 11.0, 11.0, 0.0);
(413454.8, 3728084.1, 11.1, 11.1, 0.0); (413474.8,
3728084.1, 11.4, 11.4, 0.0);
(413494.8, 3728084.1, 11.3, 11.3, 0.0); (413514.8,
3728084.1, 10.8, 10.8, 0.0);
(413534.8, 3728084.1, 11.0, 11.0, 0.0); (413554.8,
3728084.1, 11.4, 11.4, 0.0);
(413574.8, 3728084.1, 11.5, 11.5, 0.0); (413594.8,
3728084.1, 11.0, 11.0, 0.0);
(413614.8, 3728084.1, 10.6, 10.6, 0.0); (413634.8,
3728084.1, 10.6, 10.6, 0.0);
(413654.8, 3728084.1, 10.9, 10.9, 0.0); (413674.8,
3728084.1, 10.9, 10.9, 0.0);
(413694.8, 3728084.1, 11.1, 11.1, 0.0); (413714.8,
3728084.1, 11.4, 11.4, 0.0);
(413734.8, 3728084.1, 11.3, 11.3, 0.0); (413134.8,
3728104.1, 4.5, 11.6, 0.0);
(413154.8, 3728104.1, 7.3, 7.3, 0.0); (413174.8,
3728104.1, 7.0, 7.0, 0.0);
(413194.8, 3728104.1, 6.7, 6.7, 0.0); (413214.8,
3728104.1, 7.0, 7.0, 0.0);
(413234.8, 3728104.1, 6.9, 6.9, 0.0); (413254.8,
3728104.1, 7.5, 7.5, 0.0);
(413274.8, 3728104.1, 8.1, 10.0, 0.0); (413294.8,
3728104.1, 10.0, 10.0, 0.0);
(413314.8, 3728104.1, 9.5, 9.5, 0.0); (413334.8,
3728104.1, 9.4, 9.4, 0.0);
(413354.8, 3728104.1, 9.8, 9.8, 0.0); (413374.8,
3728104.1, 10.3, 10.3, 0.0);
(413394.8, 3728104.1, 10.7, 10.7, 0.0); (413414.8,
3728104.1, 11.3, 11.3, 0.0);
(413434.8, 3728104.1, 10.9, 10.9, 0.0); (413454.8,
3728104.1, 11.0, 11.0, 0.0);
(413474.8, 3728104.1, 11.2, 11.2, 0.0); (413494.8,
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(413514.8, 3728104.1, 10.7, 10.7, 0.0); (413534.8,
3728104.1, 10.9, 10.9, 0.0);
(413554.8, 3728104.1, 11.3, 11.3, 0.0); (413574.8,
3728104.1, 11.3, 11.3, 0.0);
(413594.8, 3728104.1, 11.0, 11.0, 0.0); (413614.8,
3728104.1, 10.4, 10.4, 0.0);
(413634.8, 3728104.1, 10.8, 10.8, 0.0); (413654.8,
3728104.1, 11.3, 11.3, 0.0);
(413674.8, 3728104.1, 10.9, 10.9, 0.0); (413694.8,
3728104.1, 11.1, 11.1, 0.0);
(413714.8, 3728104.1, 11.4, 11.4, 0.0); (413734.8,
3728104.1, 11.0, 11.0, 0.0);
(413174.8, 3728124.1, 7.1, 7.1, 0.0); (413194.8,

3728124.1, 6.8, 6.8, 0.0);
 (413214.8, 3728124.1, 6.8, 6.8, 0.0); (413234.8,
 3728124.1, 7.2, 7.2, 0.0);
 (413254.8, 3728124.1, 7.6, 7.6, 0.0); (413274.8,
 3728124.1, 8.3, 9.7, 0.0);
 (413294.8, 3728124.1, 9.8, 9.8, 0.0); (413314.8,
 3728124.1, 9.3, 9.3, 0.0);
 (413334.8, 3728124.1, 9.8, 9.8, 0.0); (413354.8,
 3728124.1, 10.1, 10.1, 0.0);
 (413374.8, 3728124.1, 10.5, 10.5, 0.0); (413394.8,
 3728124.1, 10.6, 10.6, 0.0);
 (413414.8, 3728124.1, 11.2, 11.2, 0.0); (413434.8,
 3728124.1, 10.8, 10.8, 0.0);
 (413454.8, 3728124.1, 10.9, 10.9, 0.0); (413474.8,
 3728124.1, 11.1, 11.1, 0.0);
 (413494.8, 3728124.1, 11.2, 11.2, 0.0); (413514.8,
 3728124.1, 10.6, 10.6, 0.0);
 (413534.8, 3728124.1, 10.8, 10.8, 0.0); (413554.8,
 3728124.1, 11.1, 11.1, 0.0);
 (413574.8, 3728124.1, 10.9, 10.9, 0.0); (413594.8,
 3728124.1, 10.4, 10.4, 0.0);
 (413614.8, 3728124.1, 10.5, 10.5, 0.0); (413634.8,
 3728124.1, 11.1, 11.1, 0.0);
 (413654.8, 3728124.1, 11.0, 11.0, 0.0); (413674.8,
 3728124.1, 10.5, 10.5, 0.0);
 (413694.8, 3728124.1, 10.7, 10.7, 0.0); (413714.8,
 3728124.1, 11.0, 11.0, 0.0);
 (413734.8, 3728124.1, 10.8, 10.8, 0.0); (413174.8,
 3728144.1, 7.2, 7.2, 0.0);
 (413194.8, 3728144.1, 7.1, 7.1, 0.0); (413214.8,
 3728144.1, 6.8, 6.8, 0.0);
 (413234.8, 3728144.1, 7.4, 7.4, 0.0); (413254.8,
 3728144.1, 7.8, 7.8, 0.0);
 (413274.8, 3728144.1, 8.8, 8.8, 0.0); (413294.8,
 3728144.1, 9.5, 9.5, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(413314.8, 3728144.1, 9.1, 9.1, 0.0); (413334.8,
 3728144.1, 9.6, 9.6, 0.0);
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(413394.8, 3728144.1, 10.3, 10.3, 0.0); (413414.8,
3728144.1, 11.0, 11.0, 0.0);
(413434.8, 3728144.1, 10.6, 10.6, 0.0); (413454.8,
3728144.1, 10.7, 10.7, 0.0);
(413474.8, 3728144.1, 10.9, 10.9, 0.0); (413494.8,
3728144.1, 11.0, 11.0, 0.0);
(413514.8, 3728144.1, 10.5, 10.5, 0.0); (413534.8,
3728144.1, 10.8, 10.8, 0.0);
(413554.8, 3728144.1, 11.0, 11.0, 0.0); (413574.8,
3728144.1, 10.4, 10.4, 0.0);
(413594.8, 3728144.1, 10.3, 10.3, 0.0); (413614.8,
3728144.1, 10.8, 10.8, 0.0);
(413634.8, 3728144.1, 11.1, 11.1, 0.0); (413654.8,
3728144.1, 10.7, 10.7, 0.0);
(413674.8, 3728144.1, 10.2, 10.2, 0.0); (413694.8,
3728144.1, 10.3, 10.3, 0.0);
(413714.8, 3728144.1, 10.7, 10.7, 0.0); (413734.8,
3728144.1, 10.6, 10.6, 0.0);
(413174.8, 3728164.1, 6.2, 7.1, 0.0); (413194.8,
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(413214.8, 3728164.1, 7.0, 7.0, 0.0); (413234.8,
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(413254.8, 3728164.1, 7.8, 7.8, 0.0); (413274.8,
3728164.1, 9.0, 9.0, 0.0);
(413294.8, 3728164.1, 9.4, 9.4, 0.0); (413314.8,
3728164.1, 8.9, 8.9, 0.0);
(413334.8, 3728164.1, 9.3, 9.3, 0.0); (413354.8,
3728164.1, 9.5, 9.5, 0.0);
(413374.8, 3728164.1, 9.9, 9.9, 0.0); (413394.8,
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(413414.8, 3728164.1, 10.9, 10.9, 0.0); (413434.8,
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(413454.8, 3728164.1, 10.6, 10.6, 0.0); (413474.8,
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(413494.8, 3728164.1, 10.9, 10.9, 0.0); (413514.8,
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(413534.8, 3728164.1, 10.5, 10.5, 0.0); (413554.8,
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(413574.8, 3728164.1, 10.2, 10.2, 0.0); (413594.8,
3728164.1, 10.6, 10.6, 0.0);
(413614.8, 3728164.1, 10.8, 10.8, 0.0); (413634.8,
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(413654.8, 3728164.1, 10.4, 10.4, 0.0); (413674.8,
3728164.1, 10.0, 10.0, 0.0);
(413694.8, 3728164.1, 10.1, 10.1, 0.0); (413714.8,
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(413734.8, 3728164.1, 10.5, 10.5, 0.0); (413174.8,
3728184.1, 3.9, 12.0, 0.0);
(413194.8, 3728184.1, 7.1, 7.1, 0.0); (413214.8,

3728184.1, 7.3, 7.3, 0.0);
 (413234.8, 3728184.1, 7.1, 7.1, 0.0); (413254.8,
 3728184.1, 7.9, 7.9, 0.0);
 (413274.8, 3728184.1, 9.0, 9.0, 0.0); (413294.8,
 3728184.1, 9.0, 9.0, 0.0);
 (413314.8, 3728184.1, 8.5, 8.5, 0.0); (413334.8,
 3728184.1, 8.9, 8.9, 0.0);
 (413354.8, 3728184.1, 9.2, 9.2, 0.0); (413374.8,
 3728184.1, 9.7, 9.7, 0.0);
 (413394.8, 3728184.1, 10.1, 10.1, 0.0); (413414.8,
 3728184.1, 10.7, 10.7, 0.0);
 (413434.8, 3728184.1, 10.4, 10.4, 0.0); (413454.8,
 3728184.1, 10.5, 10.5, 0.0);
 (413474.8, 3728184.1, 10.6, 10.6, 0.0); (413494.8,
 3728184.1, 10.8, 10.8, 0.0);
 (413514.8, 3728184.1, 10.6, 10.6, 0.0); (413534.8,
 3728184.1, 10.0, 10.0, 0.0);
 (413554.8, 3728184.1, 10.0, 10.0, 0.0); (413574.8,
 3728184.1, 10.4, 10.4, 0.0);
 (413594.8, 3728184.1, 10.8, 10.8, 0.0); (413614.8,
 3728184.1, 10.5, 10.5, 0.0);
 (413634.8, 3728184.1, 10.4, 10.4, 0.0); (413654.8,
 3728184.1, 10.3, 10.3, 0.0);
 (413674.8, 3728184.1, 9.8, 9.8, 0.0); (413694.8,
 3728184.1, 10.0, 10.0, 0.0);
 (413714.8, 3728184.1, 10.3, 10.3, 0.0); (413734.8,
 3728184.1, 10.4, 10.4, 0.0);
 (413174.8, 3728204.1, 4.0, 12.0, 0.0); (413194.8,
 3728204.1, 5.7, 12.0, 0.0);
 (413214.8, 3728204.1, 7.5, 7.5, 0.0); (413234.8,
 3728204.1, 7.6, 7.6, 0.0);
 (413254.8, 3728204.1, 7.8, 7.8, 0.0); (413274.8,
 3728204.1, 8.8, 8.8, 0.0);
 (413294.8, 3728204.1, 8.4, 8.4, 0.0); (413314.8,
 3728204.1, 8.8, 8.8, 0.0);
 (413334.8, 3728204.1, 9.5, 9.5, 0.0); (413354.8,
 3728204.1, 9.7, 9.7, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(413374.8, 3728204.1, 9.9, 9.9, 0.0); (413394.8,

3728204.1, 10.1, 10.1, 0.0);
(413414.8, 3728204.1, 10.6, 10.6, 0.0); (413434.8,
3728204.1, 10.3, 10.3, 0.0);
(413454.8, 3728204.1, 10.3, 10.3, 0.0); (413474.8,
3728204.1, 10.5, 10.5, 0.0);
(413494.8, 3728204.1, 10.5, 10.5, 0.0); (413514.8,
3728204.1, 10.4, 10.4, 0.0);
(413534.8, 3728204.1, 9.9, 9.9, 0.0); (413554.8,
3728204.1, 10.2, 10.2, 0.0);
(413574.8, 3728204.1, 10.7, 10.7, 0.0); (413594.8,
3728204.1, 10.5, 10.5, 0.0);
(413614.8, 3728204.1, 10.2, 10.2, 0.0); (413634.8,
3728204.1, 10.2, 10.2, 0.0);
(413654.8, 3728204.1, 10.2, 10.2, 0.0); (413674.8,
3728204.1, 9.8, 9.8, 0.0);
(413694.8, 3728204.1, 9.9, 9.9, 0.0); (413714.8,
3728204.1, 10.1, 10.1, 0.0);
(413734.8, 3728204.1, 10.0, 10.0, 0.0); (413234.8,
3728224.1, 8.1, 8.1, 0.0);
(413254.8, 3728224.1, 7.7, 7.7, 0.0); (413274.8,
3728224.1, 7.9, 7.9, 0.0);
(413294.8, 3728224.1, 8.4, 8.4, 0.0); (413314.8,
3728224.1, 9.0, 9.0, 0.0);
(413334.8, 3728224.1, 9.5, 9.5, 0.0); (413354.8,
3728224.1, 9.7, 9.7, 0.0);
(413374.8, 3728224.1, 9.8, 9.8, 0.0); (413394.8,
3728224.1, 9.9, 9.9, 0.0);
(413414.8, 3728224.1, 10.5, 10.5, 0.0); (413434.8,
3728224.1, 10.1, 10.1, 0.0);
(413454.8, 3728224.1, 10.1, 10.1, 0.0); (413474.8,
3728224.1, 10.2, 10.2, 0.0);
(413494.8, 3728224.1, 10.3, 10.3, 0.0); (413514.8,
3728224.1, 9.8, 9.8, 0.0);
(413534.8, 3728224.1, 9.9, 9.9, 0.0); (413554.8,
3728224.1, 10.5, 10.5, 0.0);
(413574.8, 3728224.1, 10.6, 10.6, 0.0); (413594.8,
3728224.1, 10.3, 10.3, 0.0);
(413614.8, 3728224.1, 9.8, 9.8, 0.0); (413634.8,
3728224.1, 9.8, 9.8, 0.0);
(413654.8, 3728224.1, 10.1, 10.1, 0.0); (413674.8,
3728224.1, 9.7, 9.7, 0.0);
(413694.8, 3728224.1, 9.6, 9.6, 0.0); (413714.8,
3728224.1, 9.7, 9.7, 0.0);
(413734.8, 3728224.1, 9.9, 9.9, 0.0); (413234.8,
3728244.1, 7.9, 7.9, 0.0);
(413254.8, 3728244.1, 8.3, 8.3, 0.0); (413274.8,
3728244.1, 8.0, 8.0, 0.0);
(413294.8, 3728244.1, 8.5, 8.5, 0.0); (413314.8,
3728244.1, 9.1, 9.1, 0.0);
(413334.8, 3728244.1, 9.5, 9.5, 0.0); (413354.8,

3728244.1, 9.5, 9.5, 0.0);
 (413374.8, 3728244.1, 9.6, 9.6, 0.0); (413394.8,
 3728244.1, 9.8, 9.8, 0.0);
 (413414.8, 3728244.1, 10.4, 10.4, 0.0); (413434.8,
 3728244.1, 10.1, 10.1, 0.0);
 (413454.8, 3728244.1, 10.0, 10.0, 0.0); (413474.8,
 3728244.1, 9.8, 9.8, 0.0);
 (413494.8, 3728244.1, 9.6, 9.6, 0.0); (413514.8,
 3728244.1, 9.7, 9.7, 0.0);
 (413534.8, 3728244.1, 10.3, 10.3, 0.0); (413554.8,
 3728244.1, 10.5, 10.5, 0.0);
 (413574.8, 3728244.1, 10.2, 10.2, 0.0); (413594.8,
 3728244.1, 10.0, 10.0, 0.0);
 (413614.8, 3728244.1, 9.6, 9.6, 0.0); (413634.8,
 3728244.1, 10.0, 10.0, 0.0);
 (413654.8, 3728244.1, 10.0, 10.0, 0.0); (413674.8,
 3728244.1, 9.6, 9.6, 0.0);
 (413694.8, 3728244.1, 9.7, 9.7, 0.0); (413714.8,
 3728244.1, 10.1, 10.1, 0.0);
 (413734.8, 3728244.1, 10.3, 10.3, 0.0); (413234.8,
 3728264.1, 5.8, 8.7, 0.0);
 (413254.8, 3728264.1, 8.6, 8.6, 0.0); (413274.8,
 3728264.1, 8.6, 8.6, 0.0);
 (413294.8, 3728264.1, 8.3, 8.3, 0.0); (413314.8,
 3728264.1, 8.8, 8.8, 0.0);
 (413334.8, 3728264.1, 9.5, 9.5, 0.0); (413354.8,
 3728264.1, 9.2, 9.2, 0.0);
 (413374.8, 3728264.1, 9.4, 9.4, 0.0); (413394.8,
 3728264.1, 9.8, 9.8, 0.0);
 (413414.8, 3728264.1, 10.5, 10.5, 0.0); (413434.8,
 3728264.1, 10.3, 10.3, 0.0);
 (413454.8, 3728264.1, 10.3, 10.3, 0.0); (413474.8,
 3728264.1, 9.8, 9.8, 0.0);
 (413494.8, 3728264.1, 9.6, 9.6, 0.0); (413514.8,
 3728264.1, 10.1, 10.1, 0.0);
 (413534.8, 3728264.1, 10.4, 10.4, 0.0); (413554.8,
 3728264.1, 10.2, 10.2, 0.0);
 (413574.8, 3728264.1, 10.0, 10.0, 0.0); (413594.8,
 3728264.1, 9.6, 9.6, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(413614.8, 3728264.1, 10.0, 10.0, 0.0); (413634.8,
3728264.1, 10.2, 10.2, 0.0);
(413654.8, 3728264.1, 9.9, 9.9, 0.0); (413674.8,
3728264.1, 9.5, 9.5, 0.0);
(413694.8, 3728264.1, 9.6, 9.6, 0.0); (413714.8,
3728264.1, 9.9, 9.9, 0.0);
(413734.8, 3728264.1, 9.7, 9.7, 0.0); (413234.8,
3728284.1, 5.3, 12.6, 0.0);
(413254.8, 3728284.1, 6.5, 9.0, 0.0); (413274.8,
3728284.1, 8.9, 8.9, 0.0);
(413294.8, 3728284.1, 8.9, 8.9, 0.0); (413314.8,
3728284.1, 8.7, 8.7, 0.0);
(413334.8, 3728284.1, 8.8, 8.8, 0.0); (413354.8,
3728284.1, 9.1, 9.1, 0.0);
(413374.8, 3728284.1, 9.7, 9.7, 0.0); (413394.8,
3728284.1, 9.9, 9.9, 0.0);
(413414.8, 3728284.1, 10.0, 10.0, 0.0); (413434.8,
3728284.1, 9.9, 9.9, 0.0);
(413454.8, 3728284.1, 9.9, 9.9, 0.0); (413474.8,
3728284.1, 9.3, 9.3, 0.0);
(413494.8, 3728284.1, 9.6, 9.6, 0.0); (413514.8,
3728284.1, 10.0, 10.0, 0.0);
(413534.8, 3728284.1, 10.0, 10.0, 0.0); (413554.8,
3728284.1, 10.0, 10.0, 0.0);
(413574.8, 3728284.1, 9.6, 9.6, 0.0); (413594.8,
3728284.1, 9.7, 9.7, 0.0);
(413614.8, 3728284.1, 10.1, 10.1, 0.0); (413634.8,
3728284.1, 10.0, 10.0, 0.0);
(413654.8, 3728284.1, 9.9, 9.9, 0.0); (413674.8,
3728284.1, 9.4, 9.4, 0.0);
(413694.8, 3728284.1, 9.3, 9.3, 0.0); (413714.8,
3728284.1, 9.5, 9.5, 0.0);
(413734.8, 3728284.1, 9.3, 9.3, 0.0); (413254.8,
3728304.1, 5.5, 12.6, 0.0);
(413274.8, 3728304.1, 6.2, 9.2, 0.0); (413294.8,
3728304.1, 9.0, 9.0, 0.0);
(413314.8, 3728304.1, 9.2, 9.2, 0.0); (413334.8,
3728304.1, 9.2, 9.2, 0.0);
(413354.8, 3728304.1, 9.1, 9.1, 0.0); (413374.8,
3728304.1, 9.3, 9.3, 0.0);
(413394.8, 3728304.1, 9.5, 9.5, 0.0); (413414.8,
3728304.1, 9.7, 9.7, 0.0);
(413434.8, 3728304.1, 9.7, 9.7, 0.0); (413454.8,
3728304.1, 9.6, 9.6, 0.0);
(413474.8, 3728304.1, 9.2, 9.2, 0.0); (413494.8,
3728304.1, 9.4, 9.4, 0.0);
(413514.8, 3728304.1, 9.6, 9.6, 0.0); (413534.8,
3728304.1, 9.7, 9.7, 0.0);
(413554.8, 3728304.1, 9.7, 9.7, 0.0); (413574.8,

3728304.1, 9.4, 9.4, 0.0);
 (413594.8, 3728304.1, 9.7, 9.7, 0.0); (413614.8,
 3728304.1, 9.8, 9.8, 0.0);
 (413634.8, 3728304.1, 9.7, 9.7, 0.0); (413654.8,
 3728304.1, 9.6, 9.6, 0.0);
 (413674.8, 3728304.1, 9.3, 9.3, 0.0); (413694.8,
 3728304.1, 9.1, 9.1, 0.0);
 (413714.8, 3728304.1, 9.1, 9.1, 0.0); (413734.8,
 3728304.1, 9.1, 9.1, 0.0);
 (413254.8, 3728324.1, 8.4, 8.4, 0.0); (413274.8,
 3728324.1, 6.1, 9.0, 0.0);
 (413294.8, 3728324.1, 5.1, 9.6, 0.0); (413314.8,
 3728324.1, 8.4, 9.4, 0.0);
 (413334.8, 3728324.1, 9.5, 9.5, 0.0); (413354.8,
 3728324.1, 9.7, 9.7, 0.0);
 (413374.8, 3728324.1, 9.6, 9.6, 0.0); (413394.8,
 3728324.1, 9.5, 9.5, 0.0);
 (413414.8, 3728324.1, 9.4, 9.4, 0.0); (413434.8,
 3728324.1, 9.3, 9.3, 0.0);
 (413454.8, 3728324.1, 9.2, 9.2, 0.0); (413474.8,
 3728324.1, 9.0, 9.0, 0.0);
 (413494.8, 3728324.1, 9.0, 9.0, 0.0); (413514.8,
 3728324.1, 9.2, 9.2, 0.0);
 (413534.8, 3728324.1, 9.3, 9.3, 0.0); (413554.8,
 3728324.1, 9.4, 9.4, 0.0);
 (413574.8, 3728324.1, 9.5, 9.5, 0.0); (413594.8,
 3728324.1, 9.5, 9.5, 0.0);
 (413614.8, 3728324.1, 9.5, 9.5, 0.0); (413634.8,
 3728324.1, 9.4, 9.4, 0.0);
 (413654.8, 3728324.1, 9.4, 9.4, 0.0); (413674.8,
 3728324.1, 9.5, 9.5, 0.0);
 (413694.8, 3728324.1, 9.5, 9.5, 0.0); (413714.8,
 3728324.1, 9.5, 9.5, 0.0);
 (413734.8, 3728324.1, 9.6, 9.6, 0.0); (413254.8,
 3728344.1, 8.6, 8.6, 0.0);
 (413274.8, 3728344.1, 8.6, 8.6, 0.0); (413294.8,
 3728344.1, 7.4, 8.5, 0.0);
 (413314.8, 3728344.1, 5.1, 9.7, 0.0); (413334.8,
 3728344.1, 5.9, 9.7, 0.0);
 (413354.8, 3728344.1, 8.4, 9.7, 0.0); (413374.8,
 3728344.1, 9.5, 9.5, 0.0);

^ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413394.8, 3728344.1, 9.7, 9.7, 0.0); (413414.8,
3728344.1, 9.7, 9.7, 0.0);
(413434.8, 3728344.1, 9.7, 9.7, 0.0); (413454.8,
3728344.1, 9.6, 9.6, 0.0);
(413474.8, 3728344.1, 9.0, 9.0, 0.0); (413494.8,
3728344.1, 9.2, 9.2, 0.0);
(413514.8, 3728344.1, 9.8, 9.8, 0.0); (413534.8,
3728344.1, 10.0, 10.0, 0.0);
(413554.8, 3728344.1, 10.0, 10.0, 0.0); (413574.8,
3728344.1, 10.0, 10.0, 0.0);
(413594.8, 3728344.1, 10.1, 10.1, 0.0); (413614.8,
3728344.1, 9.9, 9.9, 0.0);
(413634.8, 3728344.1, 9.9, 9.9, 0.0); (413654.8,
3728344.1, 9.8, 9.8, 0.0);
(413674.8, 3728344.1, 9.8, 9.8, 0.0); (413694.8,
3728344.1, 9.6, 9.6, 0.0);
(413714.8, 3728344.1, 9.0, 9.3, 0.0); (413734.8,
3728344.1, 7.4, 9.6, 0.0);
(413254.8, 3728364.1, 8.5, 12.7, 0.0); (413274.8,
3728364.1, 8.5, 8.5, 0.0);
(413294.8, 3728364.1, 8.1, 8.1, 0.0); (413314.8,
3728364.1, 8.3, 8.3, 0.0);
(413334.8, 3728364.1, 7.3, 8.8, 0.0); (413354.8,
3728364.1, 5.6, 9.7, 0.0);
(413374.8, 3728364.1, 5.1, 9.8, 0.0); (413394.8,
3728364.1, 5.8, 9.8, 0.0);
(413414.8, 3728364.1, 6.8, 9.7, 0.0); (413434.8,
3728364.1, 7.4, 9.7, 0.0);
(413454.8, 3728364.1, 7.5, 9.6, 0.0); (413474.8,
3728364.1, 8.1, 9.3, 0.0);
(413494.8, 3728364.1, 8.3, 9.4, 0.0); (413514.8,
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(413534.8, 3728364.1, 6.9, 10.0, 0.0); (413554.8,
3728364.1, 6.7, 10.0, 0.0);
(413574.8, 3728364.1, 6.4, 10.1, 0.0); (413594.8,
3728364.1, 6.2, 10.1, 0.0);
(413614.8, 3728364.1, 6.0, 10.1, 0.0); (413634.8,
3728364.1, 5.8, 10.0, 0.0);
(413654.8, 3728364.1, 5.6, 9.9, 0.0); (413674.8,
3728364.1, 5.1, 9.9, 0.0);
(413694.8, 3728364.1, 4.7, 9.9, 0.0); (413714.8,
3728364.1, 4.9, 9.9, 0.0);
(413734.8, 3728364.1, 6.5, 9.0, 0.0); (413254.8,
3728384.1, 8.6, 12.7, 0.0);
(413274.8, 3728384.1, 8.5, 8.5, 0.0); (413294.8,
3728384.1, 8.1, 8.1, 0.0);
(413314.8, 3728384.1, 8.3, 8.3, 0.0); (413334.8,

3728384.1, 8.8, 8.8, 0.0);
 (413354.8, 3728384.1, 8.7, 8.7, 0.0); (413374.8,
 3728384.1, 8.3, 8.7, 0.0);
 (413394.8, 3728384.1, 7.6, 8.5, 0.0); (413414.8,
 3728384.1, 7.1, 8.8, 0.0);
 (413434.8, 3728384.1, 6.8, 8.9, 0.0); (413454.8,
 3728384.1, 6.8, 9.0, 0.0);
 (413474.8, 3728384.1, 7.8, 8.2, 0.0); (413494.8,
 3728384.1, 8.0, 8.4, 0.0);
 (413514.8, 3728384.1, 7.0, 9.0, 0.0); (413534.8,
 3728384.1, 7.1, 8.8, 0.0);
 (413554.8, 3728384.1, 7.3, 8.9, 0.0); (413574.8,
 3728384.1, 7.5, 8.9, 0.0);
 (413594.8, 3728384.1, 7.6, 8.8, 0.0); (413614.8,
 3728384.1, 7.8, 8.0, 0.0);
 (413634.8, 3728384.1, 7.9, 7.9, 0.0); (413654.8,
 3728384.1, 8.1, 8.2, 0.0);
 (413674.8, 3728384.1, 8.4, 8.4, 0.0); (413694.8,
 3728384.1, 8.8, 8.8, 0.0);
 (413714.8, 3728384.1, 8.9, 8.9, 0.0); (413734.8,
 3728384.1, 8.9, 8.9, 0.0);
 (413254.8, 3728404.1, 9.3, 12.7, 0.0); (413274.8,
 3728404.1, 8.7, 12.7, 0.0);
 (413294.8, 3728404.1, 8.5, 8.5, 0.0); (413314.8,
 3728404.1, 8.1, 8.1, 0.0);
 (413334.8, 3728404.1, 8.7, 8.7, 0.0); (413354.8,
 3728404.1, 8.8, 8.8, 0.0);
 (413374.8, 3728404.1, 8.6, 8.6, 0.0); (413394.8,
 3728404.1, 8.3, 8.3, 0.0);
 (413414.8, 3728404.1, 8.4, 8.4, 0.0); (413434.8,
 3728404.1, 8.8, 8.8, 0.0);
 (413454.8, 3728404.1, 9.0, 9.0, 0.0); (413474.8,
 3728404.1, 8.7, 8.7, 0.0);
 (413494.8, 3728404.1, 8.6, 8.6, 0.0); (413514.8,
 3728404.1, 8.9, 8.9, 0.0);
 (413534.8, 3728404.1, 8.8, 8.8, 0.0); (413554.8,
 3728404.1, 8.8, 8.8, 0.0);
 (413574.8, 3728404.1, 8.9, 8.9, 0.0); (413594.8,
 3728404.1, 8.8, 8.8, 0.0);
 (413614.8, 3728404.1, 8.8, 8.8, 0.0); (413634.8,
 3728404.1, 8.6, 8.6, 0.0);
 (413654.8, 3728404.1, 8.6, 8.6, 0.0); (413674.8,
 3728404.1, 8.6, 8.6, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(413694.8, 3728404.1,	8.6,	8.6,	0.0);	(413714.8,
3728404.1, 8.5,	8.5,	0.0);		
(413734.8, 3728404.1,	8.5,	8.5,	0.0);	(413294.8,
3728424.1, 8.6,	8.6,	0.0);		
(413314.8, 3728424.1,	8.3,	8.3,	0.0);	(413334.8,
3728424.1, 8.3,	8.3,	0.0);		
(413354.8, 3728424.1,	8.7,	8.7,	0.0);	(413374.8,
3728424.1, 8.7,	8.7,	0.0);		
(413394.8, 3728424.1,	8.4,	8.4,	0.0);	(413414.8,
3728424.1, 8.3,	8.3,	0.0);		
(413434.8, 3728424.1,	8.8,	8.8,	0.0);	(413454.8,
3728424.1, 9.1,	9.1,	0.0);		
(413474.8, 3728424.1,	8.8,	8.8,	0.0);	(413494.8,
3728424.1, 8.5,	8.5,	0.0);		
(413514.8, 3728424.1,	8.5,	8.5,	0.0);	(413534.8,
3728424.1, 8.4,	8.4,	0.0);		
(413554.8, 3728424.1,	8.4,	8.4,	0.0);	(413574.8,
3728424.1, 8.4,	8.4,	0.0);		
(413594.8, 3728424.1,	8.3,	8.3,	0.0);	(413614.8,
3728424.1, 8.2,	8.2,	0.0);		
(413634.8, 3728424.1,	8.2,	8.2,	0.0);	(413654.8,
3728424.1, 8.2,	8.2,	0.0);		
(413674.8, 3728424.1,	8.2,	8.2,	0.0);	(413694.8,
3728424.1, 8.4,	8.4,	0.0);		
(413714.8, 3728424.1,	8.4,	8.4,	0.0);	(413734.8,
3728424.1, 8.4,	8.4,	0.0);		
(413294.8, 3728444.1,	8.9,	8.9,	0.0);	(413314.8,
3728444.1, 8.6,	8.6,	0.0);		
(413334.8, 3728444.1,	8.2,	8.2,	0.0);	(413354.8,
3728444.1, 8.5,	8.5,	0.0);		
(413374.8, 3728444.1,	8.7,	8.7,	0.0);	(413394.8,
3728444.1, 8.8,	8.8,	0.0);		
(413414.8, 3728444.1,	8.3,	8.3,	0.0);	(413434.8,
3728444.1, 8.9,	8.9,	0.0);		
(413454.8, 3728444.1,	9.0,	9.0,	0.0);	(413474.8,
3728444.1, 8.9,	8.9,	0.0);		
(413494.8, 3728444.1,	8.5,	8.5,	0.0);	(413514.8,
3728444.1, 8.6,	8.6,	0.0);		
(413534.8, 3728444.1,	8.6,	8.6,	0.0);	(413554.8,
3728444.1, 8.6,	8.6,	0.0);		
(413574.8, 3728444.1,	8.6,	8.6,	0.0);	(413594.8,
3728444.1, 8.6,	8.6,	0.0);		
(413614.8, 3728444.1,	8.6,	8.6,	0.0);	(413634.8,
3728444.1, 8.6,	8.6,	0.0);		
(413654.8, 3728444.1,	8.2,	8.2,	0.0);	(413674.8,

3728444.1, 8.6, 8.6, 0.0);
 (413694.8, 3728444.1, 8.8, 8.8, 0.0); (413714.8,
 3728444.1, 8.9, 8.9, 0.0);
 (413734.8, 3728444.1, 8.4, 8.4, 0.0); (413294.8,
 3728464.1, 8.8, 11.7, 0.0);
 (413314.8, 3728464.1, 8.6, 8.6, 0.0); (413334.8,
 3728464.1, 8.4, 8.4, 0.0);
 (413354.8, 3728464.1, 8.3, 8.3, 0.0); (413374.8,
 3728464.1, 8.8, 8.8, 0.0);
 (413394.8, 3728464.1, 8.7, 8.7, 0.0); (413414.8,
 3728464.1, 8.4, 8.4, 0.0);
 (413434.8, 3728464.1, 8.7, 8.7, 0.0); (413454.8,
 3728464.1, 9.0, 9.0, 0.0);
 (413474.8, 3728464.1, 8.9, 8.9, 0.0); (413494.8,
 3728464.1, 8.6, 8.6, 0.0);
 (413514.8, 3728464.1, 8.9, 8.9, 0.0); (413534.8,
 3728464.1, 9.0, 9.0, 0.0);
 (413554.8, 3728464.1, 9.1, 9.1, 0.0); (413574.8,
 3728464.1, 9.1, 9.1, 0.0);
 (413594.8, 3728464.1, 9.0, 9.0, 0.0); (413614.8,
 3728464.1, 9.0, 9.0, 0.0);
 (413634.8, 3728464.1, 8.7, 8.7, 0.0); (413654.8,
 3728464.1, 8.3, 8.3, 0.0);
 (413674.8, 3728464.1, 8.7, 8.7, 0.0); (413694.8,
 3728464.1, 8.9, 8.9, 0.0);
 (413714.8, 3728464.1, 9.1, 9.1, 0.0); (413734.8,
 3728464.1, 8.5, 8.5, 0.0);
 (413314.8, 3728484.1, 8.9, 8.9, 0.0); (413334.8,
 3728484.1, 8.6, 8.6, 0.0);
 (413354.8, 3728484.1, 8.2, 8.2, 0.0); (413374.8,
 3728484.1, 8.6, 8.6, 0.0);
 (413394.8, 3728484.1, 8.5, 8.5, 0.0); (413414.8,
 3728484.1, 8.5, 8.5, 0.0);
 (413434.8, 3728484.1, 8.5, 8.5, 0.0); (413454.8,
 3728484.1, 8.6, 8.6, 0.0);
 (413474.8, 3728484.1, 8.7, 8.7, 0.0); (413494.8,
 3728484.1, 8.7, 8.7, 0.0);
 (413514.8, 3728484.1, 9.2, 9.2, 0.0); (413534.8,
 3728484.1, 9.5, 9.5, 0.0);
 (413554.8, 3728484.1, 9.6, 9.6, 0.0); (413574.8,
 3728484.1, 9.5, 9.5, 0.0);
 (413594.8, 3728484.1, 9.7, 9.7, 0.0); (413614.8,
 3728484.1, 9.5, 9.5, 0.0);
 (413634.8, 3728484.1, 8.8, 8.8, 0.0); (413654.8,
 3728484.1, 8.4, 8.4, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(413674.8, 3728484.1,	8.8,	8.8,	0.0);	(413694.8,
3728484.1, 9.0,	9.0,	0.0);		
(413714.8, 3728484.1,	9.1,	9.1,	0.0);	(413734.8,
3728484.1, 8.9,	8.9,	0.0);		
(413334.8, 3728504.1,	8.8,	8.8,	0.0);	(413354.8,
3728504.1, 8.6,	8.6,	0.0);		
(413374.8, 3728504.1,	8.3,	8.3,	0.0);	(413394.8,
3728504.1, 8.7,	8.7,	0.0);		
(413414.8, 3728504.1,	8.9,	8.9,	0.0);	(413434.8,
3728504.1, 9.0,	9.0,	0.0);		
(413454.8, 3728504.1,	9.1,	9.1,	0.0);	(413474.8,
3728504.1, 9.0,	9.0,	0.0);		
(413494.8, 3728504.1,	8.8,	8.8,	0.0);	(413514.8,
3728504.1, 9.3,	9.3,	0.0);		
(413534.8, 3728504.1,	9.6,	9.6,	0.0);	(413554.8,
3728504.1, 9.4,	9.4,	0.0);		
(413574.8, 3728504.1,	9.2,	9.2,	0.0);	(413594.8,
3728504.1, 9.6,	9.6,	0.0);		
(413614.8, 3728504.1,	9.4,	9.4,	0.0);	(413634.8,
3728504.1, 8.9,	8.9,	0.0);		
(413654.8, 3728504.1,	8.4,	8.4,	0.0);	(413674.8,
3728504.1, 8.9,	8.9,	0.0);		
(413694.8, 3728504.1,	9.2,	9.2,	0.0);	(413714.8,
3728504.1, 9.1,	9.1,	0.0);		
(413734.8, 3728504.1,	8.8,	8.8,	0.0);	(413334.8,
3728524.1, 9.1,	9.1,	0.0);		
(413354.8, 3728524.1,	8.8,	8.8,	0.0);	(413374.8,
3728524.1, 8.4,	8.4,	0.0);		
(413394.8, 3728524.1,	8.5,	8.5,	0.0);	(413414.8,
3728524.1, 8.9,	8.9,	0.0);		
(413434.8, 3728524.1,	9.1,	9.1,	0.0);	(413454.8,
3728524.1, 9.4,	9.4,	0.0);		
(413474.8, 3728524.1,	8.9,	8.9,	0.0);	(413494.8,
3728524.1, 9.0,	9.0,	0.0);		
(413514.8, 3728524.1,	9.1,	9.1,	0.0);	(413534.8,
3728524.1, 9.1,	9.1,	0.0);		
(413554.8, 3728524.1,	9.1,	9.1,	0.0);	(413574.8,
3728524.1, 9.4,	9.4,	0.0);		
(413594.8, 3728524.1,	9.7,	9.7,	0.0);	(413614.8,
3728524.1, 9.3,	9.3,	0.0);		
(413634.8, 3728524.1,	8.7,	8.7,	0.0);	(413654.8,
3728524.1, 8.4,	8.4,	0.0);		
(413674.8, 3728524.1,	8.8,	8.8,	0.0);	(413694.8,

3728524.1, 9.1, 9.1, 0.0);
 (413714.8, 3728524.1, 8.9, 8.9, 0.0); (413734.8,
 3728524.1, 8.7, 8.7, 0.0);
 (413334.8, 3728544.1, 9.2, 11.8, 0.0); (413354.8,
 3728544.1, 9.0, 9.0, 0.0);
 (413374.8, 3728544.1, 8.7, 8.7, 0.0); (413394.8,
 3728544.1, 8.4, 8.4, 0.0);
 (413414.8, 3728544.1, 8.9, 8.9, 0.0); (413434.8,
 3728544.1, 9.3, 9.3, 0.0);
 (413454.8, 3728544.1, 9.2, 9.2, 0.0); (413474.8,
 3728544.1, 8.8, 8.8, 0.0);
 (413494.8, 3728544.1, 9.3, 9.3, 0.0); (413514.8,
 3728544.1, 9.3, 9.3, 0.0);
 (413534.8, 3728544.1, 9.4, 9.4, 0.0); (413554.8,
 3728544.1, 9.5, 9.5, 0.0);
 (413574.8, 3728544.1, 9.7, 9.7, 0.0); (413594.8,
 3728544.1, 9.3, 9.3, 0.0);
 (413614.8, 3728544.1, 8.9, 8.9, 0.0); (413634.8,
 3728544.1, 8.6, 8.6, 0.0);
 (413654.8, 3728544.1, 8.3, 8.3, 0.0); (413674.8,
 3728544.1, 8.9, 8.9, 0.0);
 (413694.8, 3728544.1, 9.1, 9.1, 0.0); (413714.8,
 3728544.1, 9.2, 9.2, 0.0);
 (413734.8, 3728544.1, 9.0, 9.0, 0.0); (413374.8,
 3728564.1, 8.9, 8.9, 0.0);
 (413394.8, 3728564.1, 8.9, 8.9, 0.0); (413414.8,
 3728564.1, 9.1, 9.1, 0.0);
 (413434.8, 3728564.1, 9.3, 9.3, 0.0); (413454.8,
 3728564.1, 8.9, 8.9, 0.0);
 (413474.8, 3728564.1, 9.0, 9.0, 0.0); (413494.8,
 3728564.1, 9.4, 9.4, 0.0);
 (413514.8, 3728564.1, 9.6, 9.6, 0.0); (413534.8,
 3728564.1, 9.6, 9.6, 0.0);
 (413554.8, 3728564.1, 9.3, 9.3, 0.0); (413574.8,
 3728564.1, 8.9, 8.9, 0.0);
 (413594.8, 3728564.1, 8.8, 8.8, 0.0); (413614.8,
 3728564.1, 8.6, 8.6, 0.0);
 (413634.8, 3728564.1, 8.3, 8.3, 0.0); (413654.8,
 3728564.1, 8.3, 8.3, 0.0);
 (413674.8, 3728564.1, 8.8, 8.8, 0.0); (413694.8,
 3728564.1, 8.9, 8.9, 0.0);
 (413714.8, 3728564.1, 9.3, 9.3, 0.0); (413734.8,
 3728564.1, 9.7, 9.7, 0.0);
 (413374.8, 3728584.1, 9.2, 9.2, 0.0); (413394.8,
 3728584.1, 9.1, 9.1, 0.0);
 (413414.8, 3728584.1, 9.2, 9.2, 0.0); (413434.8,
 3728584.1, 9.2, 9.2, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413454.8, 3728584.1,	8.7,	8.7,	0.0);	(413474.8,
3728584.1, 9.2,	9.2,	0.0);		
(413494.8, 3728584.1,	9.4,	9.4,	0.0);	(413514.8,
3728584.1, 9.2,	9.2,	0.0);		
(413534.8, 3728584.1,	9.0,	9.0,	0.0);	(413554.8,
3728584.1, 8.8,	8.8,	0.0);		
(413574.8, 3728584.1,	8.5,	8.5,	0.0);	(413594.8,
3728584.1, 8.3,	8.3,	0.0);		
(413614.8, 3728584.1,	8.3,	8.3,	0.0);	(413634.8,
3728584.1, 8.6,	8.6,	0.0);		
(413654.8, 3728584.1,	8.6,	11.9,	0.0);	(413674.8,
3728584.1, 8.9,	11.9,	0.0);		
(413694.8, 3728584.1,	9.9,	11.0,	0.0);	(413714.8,
3728584.1, 10.7,	10.7,	0.0);		
(413734.8, 3728584.1,	10.8,	10.8,	0.0);	(413374.8,
3728604.1, 9.0,	12.8,	0.0);		
(413394.8, 3728604.1,	9.4,	9.4,	0.0);	(413414.8,
3728604.1, 9.3,	9.3,	0.0);		
(413434.8, 3728604.1,	8.9,	8.9,	0.0);	(413454.8,
3728604.1, 8.7,	8.7,	0.0);		
(413474.8, 3728604.1,	9.2,	9.2,	0.0);	(413494.8,
3728604.1, 9.1,	9.1,	0.0);		
(413514.8, 3728604.1,	8.8,	8.8,	0.0);	(413534.8,
3728604.1, 8.6,	8.6,	0.0);		
(413554.8, 3728604.1,	8.4,	8.4,	0.0);	(413574.8,
3728604.1, 8.4,	13.5,	0.0);		
(413594.8, 3728604.1,	8.6,	13.5,	0.0);	(413614.8,
3728604.1, 8.7,	13.1,	0.0);		
(413634.8, 3728604.1,	9.1,	13.0,	0.0);	(413654.8,
3728604.1, 10.3,	12.3,	0.0);		
(413674.8, 3728604.1,	11.4,	11.4,	0.0);	(413694.8,
3728604.1, 11.6,	11.6,	0.0);		
(413714.8, 3728604.1,	11.4,	11.4,	0.0);	(413734.8,
3728604.1, 11.1,	11.1,	0.0);		
(413414.8, 3728624.1,	8.9,	8.9,	0.0);	(413434.8,
3728624.1, 9.1,	9.1,	0.0);		
(413454.8, 3728624.1,	8.6,	8.6,	0.0);	(413474.8,
3728624.1, 8.7,	8.7,	0.0);		
(413494.8, 3728624.1,	8.7,	8.7,	0.0);	(413514.8,
3728624.1, 8.5,	14.5,	0.0);		
(413534.8, 3728624.1,	8.5,	14.6,	0.0);	(413554.8,

3728624.1, 8.6, 14.3, 0.0);
 (413574.8, 3728624.1, 8.8, 14.3, 0.0); (413594.8,
 3728624.1, 9.2, 13.9, 0.0);
 (413614.8, 3728624.1, 10.7, 13.1, 0.0); (413634.8,
 3728624.1, 12.1, 12.1, 0.0);
 (413654.8, 3728624.1, 12.4, 12.4, 0.0); (413674.8,
 3728624.1, 12.2, 12.2, 0.0);
 (413694.8, 3728624.1, 11.9, 11.9, 0.0); (413714.8,
 3728624.1, 11.5, 11.5, 0.0);
 (413734.8, 3728624.1, 11.0, 11.0, 0.0); (413414.8,
 3728644.1, 9.1, 9.1, 0.0);
 (413434.8, 3728644.1, 9.2, 9.2, 0.0); (413454.8,
 3728644.1, 9.0, 9.0, 0.0);
 (413474.8, 3728644.1, 8.6, 15.2, 0.0); (413494.8,
 3728644.1, 8.5, 15.2, 0.0);
 (413514.8, 3728644.1, 8.6, 15.2, 0.0); (413534.8,
 3728644.1, 8.9, 15.2, 0.0);
 (413554.8, 3728644.1, 9.3, 14.9, 0.0); (413574.8,
 3728644.1, 11.1, 14.2, 0.0);
 (413594.8, 3728644.1, 12.9, 12.9, 0.0); (413614.8,
 3728644.1, 13.2, 13.2, 0.0);
 (413634.8, 3728644.1, 13.0, 13.0, 0.0); (413654.8,
 3728644.1, 12.7, 12.7, 0.0);
 (413674.8, 3728644.1, 12.4, 12.4, 0.0); (413694.8,
 3728644.1, 11.8, 11.8, 0.0);
 (413714.8, 3728644.1, 11.0, 11.0, 0.0); (413734.8,
 3728644.1, 9.9, 9.9, 0.0);
 (413414.8, 3728664.1, 9.0, 9.0, 0.0); (413434.8,
 3728664.1, 9.3, 15.7, 0.0);
 (413454.8, 3728664.1, 9.7, 15.5, 0.0); (413474.8,
 3728664.1, 8.9, 15.7, 0.0);
 (413494.8, 3728664.1, 9.5, 15.7, 0.0); (413514.8,
 3728664.1, 9.7, 15.5, 0.0);
 (413534.8, 3728664.1, 11.6, 14.9, 0.0); (413554.8,
 3728664.1, 13.6, 13.6, 0.0);
 (413574.8, 3728664.1, 13.9, 13.9, 0.0); (413594.8,
 3728664.1, 13.8, 13.8, 0.0);
 (413614.8, 3728664.1, 13.6, 13.6, 0.0); (413634.8,
 3728664.1, 13.2, 13.2, 0.0);
 (413654.8, 3728664.1, 12.6, 12.6, 0.0); (413674.8,
 3728664.1, 11.5, 12.4, 0.0);
 (413694.8, 3728664.1, 9.8, 12.3, 0.0); (413714.8,
 3728664.1, 9.3, 9.3, 0.0);
 (413734.8, 3728664.1, 9.5, 9.5, 0.0); (413414.8,
 3728684.1, 9.2, 16.0, 0.0);
 (413434.8, 3728684.1, 9.3, 16.0, 0.0); (413454.8,
 3728684.1, 9.5, 16.0, 0.0);
 (413474.8, 3728684.1, 9.8, 15.9, 0.0); (413494.8,
 3728684.1, 12.1, 15.5, 0.0);

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413514.8, 3728684.1,	14.3,	14.3,	0.0);	(413534.8,
3728684.1, 14.6,	14.6,	0.0);		
(413554.8, 3728684.1,	14.6,	14.6,	0.0);	(413574.8,
3728684.1, 14.4,	14.4,	0.0);		
(413594.8, 3728684.1,	14.0,	14.0,	0.0);	(413614.8,
3728684.1, 13.4,	13.4,	0.0);		
(413634.8, 3728684.1,	12.2,	12.7,	0.0);	(413654.8,
3728684.1, 10.0,	13.4,	0.0);		
(413674.8, 3728684.1,	9.0,	13.1,	0.0);	(413694.8,
3728684.1, 8.9,	11.9,	0.0);		
(413714.8, 3728684.1,	9.2,	9.2,	0.0);	(413734.8,
3728684.1, 9.8,	9.8,	0.0);		
(410427.0, 3723000.3,	2.6,	2.6,	0.0);	(410447.0,
3723000.3, 2.5,	2.5,	0.0);		
(410467.0, 3723000.3,	2.6,	2.6,	0.0);	(410487.0,
3723000.3, 2.4,	2.4,	0.0);		
(410507.0, 3723000.3,	2.1,	2.1,	0.0);	(410527.0,
3723000.3, 2.1,	2.1,	0.0);		
(410547.0, 3723000.3,	2.3,	2.3,	0.0);	(410567.0,
3723000.3, 2.5,	2.5,	0.0);		
(410587.0, 3723000.3,	2.2,	2.2,	0.0);	(410607.0,
3723000.3, 2.2,	2.2,	0.0);		
(410627.0, 3723000.3,	2.5,	2.5,	0.0);	(410647.0,
3723000.3, 2.6,	2.6,	0.0);		
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(410707.0, 3723000.3,	2.6,	2.6,	0.0);	(410727.0,
3723000.3, 2.5,	2.5,	0.0);		
(410747.0, 3723000.3,	2.4,	2.4,	0.0);	(410767.0,
3723000.3, 2.3,	2.3,	0.0);		
(410787.0, 3723000.3,	2.3,	2.3,	0.0);	(410807.0,
3723000.3, 2.2,	2.2,	0.0);		
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3723000.3, 2.1,	2.1,	0.0);		
(410867.0, 3723000.3,	2.2,	2.2,	0.0);	(410887.0,
3723000.3, 2.1,	2.1,	0.0);		
(410907.0, 3723000.3,	2.1,	2.1,	0.0);	(410927.0,
3723000.3, 2.1,	2.1,	0.0);		
(410947.0, 3723000.3,	2.1,	2.1,	0.0);	(410967.0,

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(411107.0, 3723020.3, 2.4, 2.4, 0.0); (411127.0,

3723020.3, 2.4, 2.4, 0.0);
 ▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(411147.0, 3723020.3,	2.5,	2.5,	0.0);	(411167.0,
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(411187.0, 3723020.3,	2.5,	2.5,	0.0);	(411207.0,
3723020.3, 2.4,	2.4,	0.0);		
(411227.0, 3723020.3,	2.3,	2.3,	0.0);	(410427.0,
3723040.3, 3.2,	3.2,	0.0);		
(410447.0, 3723040.3,	2.6,	2.6,	0.0);	(410467.0,
3723040.3, 2.4,	2.4,	0.0);		
(410487.0, 3723040.3,	2.4,	2.4,	0.0);	(410507.0,
3723040.3, 2.3,	2.3,	0.0);		
(410527.0, 3723040.3,	2.3,	2.3,	0.0);	(410547.0,
3723040.3, 2.2,	2.2,	0.0);		
(410567.0, 3723040.3,	2.2,	2.2,	0.0);	(410587.0,
3723040.3, 2.3,	2.3,	0.0);		
(410607.0, 3723040.3,	2.0,	2.0,	0.0);	(410627.0,
3723040.3, 1.9,	1.9,	0.0);		
(410647.0, 3723040.3,	2.0,	2.0,	0.0);	(410667.0,
3723040.3, 2.0,	2.0,	0.0);		
(410687.0, 3723040.3,	2.0,	2.0,	0.0);	(410707.0,
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(410767.0, 3723040.3,	2.1,	2.1,	0.0);	(410787.0,
3723040.3, 2.0,	2.0,	0.0);		
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3723040.3, 2.1,	2.1,	0.0);		
(410887.0, 3723040.3,	2.1,	2.1,	0.0);	(410907.0,
3723040.3, 2.2,	2.2,	0.0);		
(410927.0, 3723040.3,	2.3,	2.3,	0.0);	(410947.0,
3723040.3, 1.8,	1.8,	0.0);		
(410967.0, 3723040.3,	2.2,	2.2,	0.0);	(410987.0,
3723040.3, 2.4,	2.4,	0.0);		
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(411167.0, 3723040.3, 2.5, 2.5, 0.0); (411187.0,
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(411107.0, 3723060.3, 2.1, 2.1, 0.0); (411127.0,
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(411227.0, 3723060.3, 2.0, 2.0, 0.0); (411247.0,

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3723060.3,      2.0,      2.0,      0.0);
( 411267.0, 3723060.3,      2.5,      2.5,      0.0);      ( 411287.0,
3723060.3,      2.4,      2.4,      0.0);
^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                ***
                                05/26/20
*** AERMET - VERSION 16216 ***      ***
***                                ***
                                16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

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( 410507.0, 3723080.3,      2.5,      2.5,      0.0);      ( 410527.0,
3723080.3,      2.4,      2.4,      0.0);
( 410547.0, 3723080.3,      2.5,      2.5,      0.0);      ( 410567.0,
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( 410587.0, 3723080.3,      2.5,      2.5,      0.0);      ( 410607.0,
3723080.3,      2.0,      2.0,      0.0);
( 410627.0, 3723080.3,      2.3,      2.3,      0.0);      ( 410647.0,
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( 410667.0, 3723080.3,      2.6,      2.6,      0.0);      ( 410687.0,
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( 410707.0, 3723080.3,      2.7,      2.7,      0.0);      ( 410727.0,
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( 410787.0, 3723080.3,      1.9,      1.9,      0.0);      ( 410807.0,
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( 410867.0, 3723080.3,      1.8,      1.8,      0.0);      ( 410887.0,
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( 410907.0, 3723080.3,      1.6,      1.6,      0.0);      ( 410927.0,
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( 410947.0, 3723080.3,      1.9,      1.9,      0.0);      ( 410967.0,
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( 410987.0, 3723080.3,      1.7,      1.7,      0.0);      ( 411007.0,
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(410787.0, 3723100.3, 1.9, 1.9, 0.0); (410807.0,
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(410907.0, 3723100.3, 1.7, 1.7, 0.0); (410927.0,
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(410987.0, 3723100.3, 1.8, 1.8, 0.0); (411007.0,
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(411027.0, 3723100.3, 2.4, 2.4, 0.0); (411047.0,
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(411067.0, 3723100.3, 2.0, 2.0, 0.0); (411087.0,
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(411227.0, 3723100.3, 2.3, 2.3, 0.0); (411247.0,

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3723120.3,      2.2,      2.2,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
***                                ***      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 410447.0, 3723120.3,      2.2,      2.2,      0.0);      ( 410467.0,
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( 410527.0, 3723120.3,      2.5,      2.5,      0.0);      ( 410547.0,
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( 410567.0, 3723120.3,      2.5,      2.5,      0.0);      ( 410587.0,
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( 410727.0, 3723120.3,      2.3,      2.3,      0.0);      ( 410747.0,
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( 410767.0, 3723120.3,      2.1,      2.1,      0.0);      ( 410787.0,
3723120.3,      1.9,      1.9,      0.0);
( 410807.0, 3723120.3,      2.1,      2.1,      0.0);      ( 410827.0,
3723120.3,      1.5,      1.5,      0.0);
( 410847.0, 3723120.3,      2.1,      2.1,      0.0);      ( 410867.0,
3723120.3,      2.2,      2.2,      0.0);
( 410887.0, 3723120.3,      2.2,      2.2,      0.0);      ( 410907.0,
3723120.3,      1.7,      1.7,      0.0);
( 410927.0, 3723120.3,      2.3,      2.3,      0.0);      ( 410947.0,
3723120.3,      2.4,      2.4,      0.0);
( 410967.0, 3723120.3,      2.3,      2.3,      0.0);      ( 410987.0,
3723120.3,      1.9,      1.9,      0.0);
( 411007.0, 3723120.3,      2.4,      2.4,      0.0);      ( 411027.0,
3723120.3,      2.5,      2.5,      0.0);
( 411047.0, 3723120.3,      2.3,      2.3,      0.0);      ( 411067.0,
3723120.3,      2.1,      2.1,      0.0);
( 411087.0, 3723120.3,      2.6,      2.6,      0.0);      ( 411107.0,

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(411127.0, 3723120.3, 2.3, 2.3, 0.0); (411147.0,
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(411167.0, 3723120.3, 2.7, 2.7, 0.0); (411187.0,
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(411207.0, 3723120.3, 2.3, 2.3, 0.0); (411227.0,
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(411247.0, 3723120.3, 2.7, 2.7, 0.0); (411267.0,
3723120.3, 2.4, 2.4, 0.0);
(411287.0, 3723120.3, 2.1, 2.1, 0.0); (411307.0,
3723120.3, 2.6, 2.6, 0.0);
(411327.0, 3723120.3, 2.6, 2.6, 0.0); (410707.0,
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(410727.0, 3723140.3, 2.7, 2.7, 0.0); (410747.0,
3723140.3, 2.9, 2.9, 0.0);
(410767.0, 3723140.3, 2.1, 2.1, 0.0); (410787.0,
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(410807.0, 3723140.3, 2.0, 2.0, 0.0); (410827.0,
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(410887.0, 3723140.3, 2.2, 2.2, 0.0); (410907.0,
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(410967.0, 3723140.3, 2.3, 2.3, 0.0); (410987.0,
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(411007.0, 3723140.3, 2.4, 2.4, 0.0); (411027.0,
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(411047.0, 3723140.3, 2.3, 2.3, 0.0); (411067.0,
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(411087.0, 3723140.3, 2.6, 2.6, 0.0); (411107.0,
3723140.3, 2.7, 2.7, 0.0);
(411127.0, 3723140.3, 2.4, 2.4, 0.0); (411147.0,
3723140.3, 2.3, 2.3, 0.0);
(411167.0, 3723140.3, 2.6, 2.6, 0.0); (411187.0,
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(411207.0, 3723140.3, 2.2, 2.2, 0.0); (411227.0,
3723140.3, 2.4, 2.4, 0.0);
(411247.0, 3723140.3, 2.7, 2.7, 0.0); (411267.0,
3723140.3, 2.6, 2.6, 0.0);
(411287.0, 3723140.3, 2.3, 2.3, 0.0); (411307.0,
3723140.3, 2.2, 2.2, 0.0);
(411327.0, 3723140.3, 2.6, 2.6, 0.0); (410707.0,
3723160.3, 2.7, 2.7, 0.0);
(410727.0, 3723160.3, 2.8, 2.8, 0.0); (410747.0,
3723160.3, 3.0, 3.0, 0.0);
(410767.0, 3723160.3, 2.1, 2.1, 0.0); (410787.0,
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(410807.0, 3723160.3, 2.1, 2.1, 0.0); (410827.0,

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  ( 410887.0, 3723160.3,  2.2,      2.2,      0.0);      ( 410907.0,
3723160.3,      1.8,      1.8,      0.0);
  ( 410927.0, 3723160.3,  2.2,      2.2,      0.0);      ( 410947.0,
3723160.3,      2.4,      2.4,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***                               05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***                               16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 410967.0, 3723160.3,  2.3,      2.3,      0.0);      ( 410987.0,
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  ( 411007.0, 3723160.3,  2.5,      2.5,      0.0);      ( 411027.0,
3723160.3,      2.6,      2.6,      0.0);
  ( 411047.0, 3723160.3,  2.2,      2.2,      0.0);      ( 411067.0,
3723160.3,      2.0,      2.0,      0.0);
  ( 411087.0, 3723160.3,  2.6,      2.6,      0.0);      ( 411107.0,
3723160.3,      2.7,      2.7,      0.0);
  ( 411127.0, 3723160.3,  2.4,      2.4,      0.0);      ( 411147.0,
3723160.3,      2.3,      2.3,      0.0);
  ( 411167.0, 3723160.3,  2.7,      2.7,      0.0);      ( 411187.0,
3723160.3,      2.7,      2.7,      0.0);
  ( 411207.0, 3723160.3,  2.2,      2.2,      0.0);      ( 411227.0,
3723160.3,      2.4,      2.4,      0.0);
  ( 411247.0, 3723160.3,  2.7,      2.7,      0.0);      ( 411267.0,
3723160.3,      2.8,      2.8,      0.0);
  ( 411287.0, 3723160.3,  2.7,      2.7,      0.0);      ( 411307.0,
3723160.3,      2.2,      2.2,      0.0);
  ( 411327.0, 3723160.3,  2.3,      2.3,      0.0);      ( 411347.0,
3723160.3,      2.8,      2.8,      0.0);
  ( 411367.0, 3723160.3,  2.5,      2.5,      0.0);      ( 410707.0,
3723180.3,      2.3,      2.3,      0.0);
  ( 410727.0, 3723180.3,  2.4,      2.4,      0.0);      ( 410747.0,
3723180.3,      2.9,      2.9,      0.0);
  ( 410767.0, 3723180.3,  2.1,      2.1,      0.0);      ( 410787.0,
3723180.3,      2.1,      2.1,      0.0);
  ( 410807.0, 3723180.3,  2.2,      2.2,      0.0);      ( 410827.0,
3723180.3,      1.6,      1.6,      0.0);
  ( 410847.0, 3723180.3,  2.2,      2.2,      0.0);      ( 410867.0,
3723180.3,      2.3,      2.3,      0.0);
  ( 410887.0, 3723180.3,  2.3,      2.3,      0.0);      ( 410907.0,

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3723180.3, 1.8, 1.8, 0.0);
(410927.0, 3723180.3, 2.3, 2.3, 0.0); (410947.0,
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(410967.0, 3723180.3, 2.4, 2.4, 0.0); (410987.0,
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(411007.0, 3723180.3, 2.5, 2.5, 0.0); (411027.0,
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(411047.0, 3723180.3, 2.5, 2.5, 0.0); (411067.0,
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(411087.0, 3723180.3, 2.6, 2.6, 0.0); (411107.0,
3723180.3, 2.7, 2.7, 0.0);
(411127.0, 3723180.3, 2.4, 2.4, 0.0); (411147.0,
3723180.3, 2.3, 2.3, 0.0);
(411167.0, 3723180.3, 2.7, 2.7, 0.0); (411187.0,
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(411207.0, 3723180.3, 2.3, 2.3, 0.0); (411227.0,
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(411247.0, 3723180.3, 2.8, 2.8, 0.0); (411267.0,
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(411287.0, 3723180.3, 2.5, 2.5, 0.0); (411307.0,
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(411327.0, 3723180.3, 2.2, 2.2, 0.0); (411347.0,
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(411367.0, 3723180.3, 2.8, 2.8, 0.0); (411387.0,
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(410787.0, 3723200.3, 2.1, 2.1, 0.0); (410807.0,
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(410827.0, 3723200.3, 1.6, 1.6, 0.0); (410847.0,
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(410867.0, 3723200.3, 2.4, 2.4, 0.0); (410887.0,
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(410907.0, 3723200.3, 1.8, 1.8, 0.0); (410927.0,
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(410947.0, 3723200.3, 2.5, 2.5, 0.0); (410967.0,
3723200.3, 2.4, 2.4, 0.0);
(410987.0, 3723200.3, 2.0, 2.0, 0.0); (411007.0,
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(411027.0, 3723200.3, 2.6, 2.6, 0.0); (411047.0,
3723200.3, 2.7, 2.7, 0.0);
(411067.0, 3723200.3, 2.7, 2.7, 0.0); (411087.0,
3723200.3, 2.8, 2.8, 0.0);
(411107.0, 3723200.3, 2.8, 2.8, 0.0); (411127.0,
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(411147.0, 3723200.3, 2.4, 2.4, 0.0); (411167.0,
3723200.3, 2.8, 2.8, 0.0);
(411187.0, 3723200.3, 2.7, 2.7, 0.0); (411207.0,

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3723200.3,      2.3,      2.3,      0.0);
  ( 411227.0, 3723200.3, 2.4,      2.4,      0.0);      ( 411247.0,
3723200.3,      2.7,      2.7,      0.0);
  ( 411267.0, 3723200.3, 2.8,      2.8,      0.0);      ( 411287.0,
3723200.3,      2.3,      2.3,      0.0);
  ( 411307.0, 3723200.3, 2.8,      2.8,      0.0);      ( 411327.0,
3723200.3,      2.6,      2.6,      0.0);
  ( 411347.0, 3723200.3, 2.2,      2.2,      0.0);      ( 411367.0,
3723200.3,      2.6,      2.6,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                                     ***      05/26/20

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*** AERMET - VERSION 16216 ***      ***
                                     ***      16:48:31

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*** MODELOPTs:      RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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  ( 411387.0, 3723200.3, 2.7,      2.7,      0.0);      ( 410707.0,
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  ( 410727.0, 3723220.3, 2.8,      2.8,      0.0);      ( 410747.0,
3723220.3,      2.8,      2.8,      0.0);
  ( 410767.0, 3723220.3, 2.1,      2.1,      0.0);      ( 410787.0,
3723220.3,      2.1,      2.1,      0.0);
  ( 410807.0, 3723220.3, 2.2,      2.2,      0.0);      ( 410827.0,
3723220.3,      1.7,      1.7,      0.0);
  ( 410847.0, 3723220.3, 2.2,      2.2,      0.0);      ( 410867.0,
3723220.3,      2.4,      2.4,      0.0);
  ( 410887.0, 3723220.3, 2.3,      2.3,      0.0);      ( 410907.0,
3723220.3,      1.9,      1.9,      0.0);
  ( 410927.0, 3723220.3, 2.4,      2.4,      0.0);      ( 410947.0,
3723220.3,      2.5,      2.5,      0.0);
  ( 410967.0, 3723220.3, 2.4,      2.4,      0.0);      ( 410987.0,
3723220.3,      2.0,      2.0,      0.0);
  ( 411007.0, 3723220.3, 2.4,      2.4,      0.0);      ( 411027.0,
3723220.3,      2.5,      2.5,      0.0);
  ( 411047.0, 3723220.3, 2.6,      2.6,      0.0);      ( 411067.0,
3723220.3,      2.6,      2.6,      0.0);
  ( 411087.0, 3723220.3, 2.6,      2.6,      0.0);      ( 411107.0,
3723220.3,      2.6,      2.6,      0.0);
  ( 411127.0, 3723220.3, 2.3,      2.3,      0.0);      ( 411147.0,
3723220.3,      2.3,      2.3,      0.0);
  ( 411167.0, 3723220.3, 2.6,      2.6,      0.0);      ( 411187.0,
3723220.3,      2.7,      2.7,      0.0);
  ( 411207.0, 3723220.3, 2.3,      2.3,      0.0);      ( 411227.0,
3723220.3,      2.5,      2.5,      0.0);
  ( 411247.0, 3723220.3, 2.8,      2.8,      0.0);      ( 411267.0,

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(411287.0, 3723220.3, 2.3, 2.3, 0.0); (411307.0,
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(411327.0, 3723220.3, 2.8, 2.8, 0.0); (411347.0,
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(411367.0, 3723220.3, 2.3, 2.3, 0.0); (411387.0,
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(410787.0, 3723240.3, 2.1, 2.1, 0.0); (410807.0,
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(410867.0, 3723240.3, 2.3, 2.3, 0.0); (410887.0,
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(410907.0, 3723240.3, 1.9, 1.9, 0.0); (410927.0,
3723240.3, 2.4, 2.4, 0.0);
(410947.0, 3723240.3, 2.5, 2.5, 0.0); (410967.0,
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(410987.0, 3723240.3, 2.0, 2.0, 0.0); (411007.0,
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(411027.0, 3723240.3, 2.2, 2.2, 0.0); (411047.0,
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(411107.0, 3723240.3, 2.3, 2.3, 0.0); (411127.0,
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(411147.0, 3723240.3, 2.3, 2.3, 0.0); (411167.0,
3723240.3, 2.4, 2.4, 0.0);
(411187.0, 3723240.3, 2.4, 2.4, 0.0); (411207.0,
3723240.3, 2.3, 2.3, 0.0);
(411227.0, 3723240.3, 2.6, 2.6, 0.0); (411247.0,
3723240.3, 3.0, 3.0, 0.0);
(411267.0, 3723240.3, 2.9, 2.9, 0.0); (411287.0,
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(411307.0, 3723240.3, 2.8, 2.8, 0.0); (411327.0,
3723240.3, 2.9, 2.9, 0.0);
(411347.0, 3723240.3, 2.6, 2.6, 0.0); (411367.0,
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(411387.0, 3723240.3, 2.6, 2.6, 0.0); (411407.0,
3723240.3, 2.8, 2.8, 0.0);
(410707.0, 3723260.3, 1.9, 1.9, 0.0); (410727.0,
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(410747.0, 3723260.3, 2.0, 2.0, 0.0); (410767.0,
3723260.3, 2.0, 2.0, 0.0);
(410787.0, 3723260.3, 2.0, 2.0, 0.0); (410807.0,
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(410827.0, 3723260.3, 1.7, 1.7, 0.0); (410847.0,

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  ( 410867.0, 3723260.3,      2.4,      2.4,      0.0);      ( 410887.0,
3723260.3,      2.4,      2.4,      0.0);
  ( 410907.0, 3723260.3,      1.9,      1.9,      0.0);      ( 410927.0,
3723260.3,      2.4,      2.4,      0.0);
  ( 410947.0, 3723260.3,      2.6,      2.6,      0.0);      ( 410967.0,
3723260.3,      2.5,      2.5,      0.0);
  ( 410987.0, 3723260.3,      2.1,      2.1,      0.0);      ( 411007.0,
3723260.3,      2.6,      2.6,      0.0);
  ( 411027.0, 3723260.3,      2.6,      2.6,      0.0);      ( 411047.0,
3723260.3,      2.4,      2.4,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                                     ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
                                     ***      16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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  ( 411067.0, 3723260.3,      2.3,      2.3,      0.0);      ( 411087.0,
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  ( 411107.0, 3723260.3,      2.7,      2.7,      0.0);      ( 411127.0,
3723260.3,      2.4,      2.4,      0.0);
  ( 411147.0, 3723260.3,      2.7,      2.7,      0.0);      ( 411167.0,
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  ( 411187.0, 3723260.3,      2.8,      2.8,      0.0);      ( 411207.0,
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  ( 411227.0, 3723260.3,      2.7,      2.7,      0.0);      ( 411247.0,
3723260.3,      3.0,      3.0,      0.0);
  ( 411267.0, 3723260.3,      2.9,      2.9,      0.0);      ( 411287.0,
3723260.3,      2.4,      2.4,      0.0);
  ( 411307.0, 3723260.3,      2.8,      2.8,      0.0);      ( 411327.0,
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  ( 411347.0, 3723260.3,      2.7,      2.7,      0.0);      ( 411367.0,
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  ( 411387.0, 3723260.3,      2.4,      2.4,      0.0);      ( 411407.0,
3723260.3,      2.2,      2.2,      0.0);
  ( 410707.0, 3723280.3,      2.3,      2.3,      0.0);      ( 410727.0,
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  ( 410747.0, 3723280.3,      2.4,      2.4,      0.0);      ( 410767.0,
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  ( 410787.0, 3723280.3,      2.2,      2.2,      0.0);      ( 410807.0,
3723280.3,      2.3,      2.3,      0.0);
  ( 410827.0, 3723280.3,      1.8,      1.8,      0.0);      ( 410847.0,
3723280.3,      2.3,      2.3,      0.0);
  ( 410867.0, 3723280.3,      2.4,      2.4,      0.0);      ( 410887.0,

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(410907.0, 3723280.3, 1.9, 1.9, 0.0); (410927.0,
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(410987.0, 3723280.3, 2.2, 2.2, 0.0); (411007.0,
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(411107.0, 3723280.3, 2.8, 2.8, 0.0); (411127.0,
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(411187.0, 3723280.3, 2.9, 2.9, 0.0); (411207.0,
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(411227.0, 3723280.3, 2.8, 2.8, 0.0); (411247.0,
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(411267.0, 3723280.3, 2.9, 2.9, 0.0); (411287.0,
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(411307.0, 3723280.3, 2.9, 2.9, 0.0); (411327.0,
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(411347.0, 3723280.3, 2.7, 2.7, 0.0); (411367.0,
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(410787.0, 3723300.3, 2.2, 2.2, 0.0); (410807.0,
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(411147.0, 3723300.3, 2.6, 2.6, 0.0); (411167.0,

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 (411187.0, 3723300.3, 3.0, 3.0, 0.0); (411207.0,
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 (411227.0, 3723300.3, 2.6, 2.6, 0.0); (411247.0,
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 (411267.0, 3723300.3, 2.6, 2.6, 0.0); (411287.0,
 3723300.3, 2.5, 2.5, 0.0);
 (411307.0, 3723300.3, 2.6, 2.6, 0.0); (411327.0,
 3723300.3, 3.0, 3.0, 0.0);
 (411347.0, 3723300.3, 2.9, 2.9, 0.0); (411367.0,
 3723300.3, 2.7, 2.7, 0.0);
 (411387.0, 3723300.3, 2.2, 2.2, 0.0); (411407.0,
 3723300.3, 2.3, 2.3, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(411427.0, 3723300.3, 2.7, 2.7, 0.0); (411447.0,
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 (410787.0, 3723320.3, 2.3, 2.3, 0.0); (410807.0,
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 3723320.3, 2.4, 2.4, 0.0);
 (410867.0, 3723320.3, 2.5, 2.5, 0.0); (410887.0,
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 (410907.0, 3723320.3, 2.2, 2.2, 0.0); (410927.0,
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 (410947.0, 3723320.3, 2.4, 2.4, 0.0); (410967.0,
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 (410987.0, 3723320.3, 2.2, 2.2, 0.0); (411007.0,
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 (411027.0, 3723320.3, 2.8, 2.8, 0.0); (411047.0,
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 (411067.0, 3723320.3, 2.4, 2.4, 0.0); (411087.0,
 3723320.3, 2.8, 2.8, 0.0);
 (411107.0, 3723320.3, 2.3, 2.3, 0.0); (411127.0,
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 (411147.0, 3723320.3, 2.5, 2.5, 0.0); (411167.0,

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(411187.0, 3723320.3, 3.1, 3.1, 0.0); (411207.0,
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(411227.0, 3723320.3, 2.9, 2.9, 0.0); (411247.0,
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(411267.0, 3723320.3, 2.9, 2.9, 0.0); (411287.0,
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(411307.0, 3723320.3, 2.7, 2.7, 0.0); (411327.0,
3723320.3, 2.7, 2.7, 0.0);
(411347.0, 3723320.3, 3.0, 3.0, 0.0); (411367.0,
3723320.3, 2.8, 2.8, 0.0);
(411387.0, 3723320.3, 2.7, 2.7, 0.0); (411407.0,
3723320.3, 2.3, 2.3, 0.0);
(411427.0, 3723320.3, 2.3, 2.3, 0.0); (411447.0,
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(411467.0, 3723320.3, 2.5, 2.5, 0.0); (411487.0,
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(410747.0, 3723340.3, 2.7, 2.7, 0.0); (410767.0,
3723340.3, 2.2, 2.2, 0.0);
(410787.0, 3723340.3, 2.3, 2.3, 0.0); (410807.0,
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(410827.0, 3723340.3, 1.9, 1.9, 0.0); (410847.0,
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(410867.0, 3723340.3, 2.6, 2.6, 0.0); (410887.0,
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(411107.0, 3723340.3, 2.6, 2.6, 0.0); (411127.0,
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(411187.0, 3723340.3, 3.3, 3.3, 0.0); (411207.0,
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(411267.0, 3723340.3, 3.1, 3.1, 0.0); (411287.0,
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(411307.0, 3723340.3, 3.0, 3.0, 0.0); (411327.0,
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(411347.0, 3723340.3, 3.0, 3.0, 0.0); (411367.0,

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 (411387.0, 3723340.3, 2.8, 2.8, 0.0); (411407.0,
 3723340.3, 2.7, 2.7, 0.0);
 (411427.0, 3723340.3, 2.2, 2.2, 0.0); (411447.0,
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 (411467.0, 3723340.3, 2.9, 2.9, 0.0); (411487.0,
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 (410747.0, 3723360.3, 2.7, 2.7, 0.0); (410767.0,
 3723360.3, 2.2, 2.2, 0.0);
 (410787.0, 3723360.3, 2.3, 2.3, 0.0); (410807.0,
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 (410827.0, 3723360.3, 1.9, 1.9, 0.0); (410847.0,
 3723360.3, 2.4, 2.4, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410867.0, 3723360.3, 2.5, 2.5, 0.0); (410887.0,
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 (411227.0, 3723360.3, 3.2, 3.2, 0.0); (411247.0,
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 (411267.0, 3723360.3, 3.1, 3.1, 0.0); (411287.0,
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 (411307.0, 3723360.3, 3.0, 3.0, 0.0); (411327.0,

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(411347.0, 3723360.3, 2.8, 2.8, 0.0); (411367.0,
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(411387.0, 3723360.3, 2.9, 2.9, 0.0); (411407.0,
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(411427.0, 3723360.3, 2.4, 2.4, 0.0); (411447.0,
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(411467.0, 3723360.3, 2.7, 2.7, 0.0); (411487.0,
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(411267.0, 3723380.3, 2.7, 2.7, 0.0); (411287.0,
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(411387.0, 3723380.3, 2.5, 2.5, 0.0); (411407.0,
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(411467.0, 3723380.3, 2.4, 2.4, 0.0); (411487.0,
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 (411547.0, 3723380.3, 2.7, 2.7, 0.0); (411567.0,
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 (410747.0, 3723400.3, 2.8, 2.8, 0.0); (410767.0,
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 (410787.0, 3723400.3, 2.3, 2.3, 0.0); (410807.0,
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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410947.0, 3723400.3, 2.6, 2.6, 0.0); (410967.0,
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 (411027.0, 3723400.3, 2.9, 2.9, 0.0); (411047.0,
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 (411067.0, 3723400.3, 2.7, 2.7, 0.0); (411087.0,
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 (411107.0, 3723400.3, 2.5, 2.5, 0.0); (411127.0,
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 (411147.0, 3723400.3, 2.4, 2.4, 0.0); (411167.0,
 3723400.3, 2.8, 2.8, 0.0);
 (411187.0, 3723400.3, 3.1, 3.1, 0.0); (411207.0,
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 (411227.0, 3723400.3, 3.1, 3.1, 0.0); (411247.0,
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 (411267.0, 3723400.3, 3.0, 3.0, 0.0); (411287.0,
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 (411307.0, 3723400.3, 3.0, 3.0, 0.0); (411327.0,
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 (411347.0, 3723400.3, 2.9, 2.9, 0.0); (411367.0,

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(410707.0, 3723420.3, 2.6, 2.6, 0.0); (410727.0,
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(410747.0, 3723420.3, 2.7, 2.7, 0.0); (410767.0,
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(410787.0, 3723420.3, 2.4, 2.4, 0.0); (410807.0,
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(410827.0, 3723420.3, 2.6, 2.6, 0.0); (410847.0,
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(410867.0, 3723420.3, 2.7, 2.7, 0.0); (410887.0,
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(410907.0, 3723420.3, 2.5, 2.5, 0.0); (410927.0,
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(410947.0, 3723420.3, 2.8, 2.8, 0.0); (410967.0,
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(410987.0, 3723420.3, 2.3, 2.3, 0.0); (411007.0,
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(411147.0, 3723420.3, 2.2, 2.2, 0.0); (411167.0,
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(411187.0, 3723420.3, 2.8, 2.8, 0.0); (411207.0,
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(411227.0, 3723420.3, 2.8, 2.8, 0.0); (411247.0,
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(411267.0, 3723420.3, 2.7, 2.7, 0.0); (411287.0,
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 (411547.0, 3723420.3, 2.4, 2.4, 0.0); (411567.0,
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 (411587.0, 3723420.3, 4.7, 6.8, 0.0); (411607.0,
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 (410747.0, 3723440.3, 2.5, 2.5, 0.0); (410767.0,
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 (410787.0, 3723440.3, 2.6, 2.6, 0.0); (410807.0,
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 (410827.0, 3723440.3, 2.4, 2.4, 0.0); (410847.0,
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 (410867.0, 3723440.3, 2.7, 2.7, 0.0); (410887.0,
 3723440.3, 2.3, 2.3, 0.0);

*** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410907.0, 3723440.3, 2.1, 2.1, 0.0); (410927.0,
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 (411107.0, 3723440.3, 2.3, 2.3, 0.0); (411127.0,
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 (411187.0, 3723440.3, 2.4, 2.4, 0.0); (411207.0,
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 (411267.0, 3723440.3, 2.5, 2.5, 0.0); (411287.0,

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(411347.0, 3723440.3, 2.3, 2.3, 0.0); (411367.0,
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(411387.0, 3723440.3, 2.3, 2.3, 0.0); (411407.0,
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(411427.0, 3723440.3, 1.9, 1.9, 0.0); (411447.0,
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(411467.0, 3723440.3, 1.8, 1.8, 0.0); (411487.0,
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(411507.0, 3723440.3, 2.5, 2.5, 0.0); (411527.0,
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(411547.0, 3723440.3, 2.4, 2.4, 0.0); (411567.0,
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(411587.0, 3723440.3, 4.0, 6.8, 0.0); (411607.0,
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(410707.0, 3723460.3, 1.9, 1.9, 0.0); (410727.0,
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(410747.0, 3723460.3, 2.0, 2.0, 0.0); (410767.0,
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(410787.0, 3723460.3, 2.5, 2.5, 0.0); (410807.0,
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(410867.0, 3723460.3, 2.7, 2.7, 0.0); (410887.0,
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 (411587.0, 3723460.3, 3.2, 6.7, 0.0); (411607.0,
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 (410747.0, 3723480.3, 2.4, 2.4, 0.0); (410767.0,
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 (410787.0, 3723480.3, 2.6, 2.6, 0.0); (410807.0,
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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410867.0, 3723480.3, 2.7, 2.7, 0.0); (410887.0,
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 (410907.0, 3723480.3, 2.0, 2.0, 0.0); (410927.0,
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 (410947.0, 3723480.3, 2.7, 2.7, 0.0); (410967.0,
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 (410987.0, 3723480.3, 2.2, 2.2, 0.0); (411007.0,
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 (411067.0, 3723480.3, 1.9, 1.9, 0.0); (411087.0,
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 (411107.0, 3723480.3, 2.4, 2.4, 0.0); (411127.0,
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 (411147.0, 3723480.3, 2.0, 2.0, 0.0); (411167.0,
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 (411187.0, 3723480.3, 2.5, 2.5, 0.0); (411207.0,

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(411227.0, 3723480.3, 3.0, 3.0, 0.0); (411247.0,
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(411267.0, 3723480.3, 3.0, 3.0, 0.0); (411287.0,
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(411307.0, 3723480.3, 2.2, 2.2, 0.0); (411327.0,
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(411347.0, 3723480.3, 2.7, 2.7, 0.0); (411367.0,
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(411387.0, 3723480.3, 2.6, 2.6, 0.0); (411407.0,
3723480.3, 2.5, 2.5, 0.0);
(411427.0, 3723480.3, 1.9, 1.9, 0.0); (411447.0,
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(411467.0, 3723480.3, 1.9, 1.9, 0.0); (411487.0,
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(411507.0, 3723480.3, 2.7, 2.7, 0.0); (411527.0,
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(411147.0, 3723500.3, 2.0, 2.0, 0.0); (411167.0,
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 (411387.0, 3723500.3, 2.5, 2.5, 0.0); (411407.0,
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 (410787.0, 3723520.3, 2.6, 2.6, 0.0); (410807.0,
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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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3723540.3, 2.1, 2.1, 0.0);
(410987.0, 3723540.3, 1.9, 1.9, 0.0); (411007.0,
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(411027.0, 3723540.3, 2.2, 2.2, 0.0); (411047.0,
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(411187.0, 3723540.3, 2.5, 2.5, 0.0); (411207.0,

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3723540.3,      3.0,      3.0,      0.0);
  ( 411227.0, 3723540.3,      2.9,      2.9,      0.0);      ( 411247.0,
3723540.3,      2.9,      2.9,      0.0);
  ( 411267.0, 3723540.3,      2.9,      2.9,      0.0);      ( 411287.0,
3723540.3,      2.6,      2.6,      0.0);
  ( 411307.0, 3723540.3,      2.3,      2.3,      0.0);      ( 411327.0,
3723540.3,      2.5,      2.5,      0.0);
  ( 411347.0, 3723540.3,      2.6,      2.6,      0.0);      ( 411367.0,
3723540.3,      2.6,      2.6,      0.0);
  ( 411387.0, 3723540.3,      2.6,      2.6,      0.0);      ( 411407.0,
3723540.3,      2.5,      2.5,      0.0);
  ( 411427.0, 3723540.3,      2.0,      2.0,      0.0);      ( 411447.0,
3723540.3,      2.0,      2.0,      0.0);
  ( 411467.0, 3723540.3,      2.1,      2.1,      0.0);      ( 411487.0,
3723540.3,      2.6,      2.6,      0.0);
  ( 411507.0, 3723540.3,      2.8,      2.8,      0.0);      ( 411527.0,
3723540.3,      2.6,      2.6,      0.0);
  ( 411547.0, 3723540.3,      2.5,      2.5,      0.0);      ( 411567.0,
3723540.3,      2.6,      2.6,      0.0);
  ( 411587.0, 3723540.3,      2.2,      6.8,      0.0);      ( 411607.0,
3723540.3,      3.2,      6.8,      0.0);
  ( 410707.0, 3723560.3,      2.5,      2.5,      0.0);      ( 410727.0,
3723560.3,      2.5,      2.5,      0.0);
  ( 410747.0, 3723560.3,      2.6,      2.6,      0.0);      ( 410767.0,
3723560.3,      2.4,      2.4,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                                     ***      05/26/20

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*** AERMET - VERSION 16216 ***      ***
                                     ***      16:48:31

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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  ( 410787.0, 3723560.3,      2.5,      2.5,      0.0);      ( 410807.0,
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  ( 410827.0, 3723560.3,      2.3,      2.3,      0.0);      ( 410847.0,
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  ( 410867.0, 3723560.3,      2.5,      2.5,      0.0);      ( 410887.0,
3723560.3,      2.2,      2.2,      0.0);
  ( 410907.0, 3723560.3,      2.0,      2.0,      0.0);      ( 410927.0,
3723560.3,      2.4,      2.4,      0.0);
  ( 410947.0, 3723560.3,      2.4,      2.4,      0.0);      ( 410967.0,
3723560.3,      2.1,      2.1,      0.0);
  ( 410987.0, 3723560.3,      1.9,      1.9,      0.0);      ( 411007.0,
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  ( 411027.0, 3723560.3,      2.1,      2.1,      0.0);      ( 411047.0,

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(411387.0, 3723560.3, 2.7, 2.7, 0.0); (411407.0,
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(411547.0, 3723560.3, 2.5, 2.5, 0.0); (411567.0,
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 (411387.0, 3723580.3, 2.8, 2.8, 0.0); (411407.0,
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 (411427.0, 3723580.3, 1.9, 1.9, 0.0); (411447.0,
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 (411467.0, 3723580.3, 1.9, 1.9, 0.0); (411487.0,
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 (411507.0, 3723580.3, 2.4, 2.4, 0.0); (411527.0,
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 (411587.0, 3723580.3, 2.3, 2.3, 0.0); (411607.0,
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 (410707.0, 3723600.3, 2.6, 2.6, 0.0); (410727.0,
 3723600.3, 2.6, 2.6, 0.0);

^ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(410747.0, 3723600.3, 2.5, 2.5, 0.0); (410767.0,
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 (410827.0, 3723600.3, 2.6, 2.6, 0.0); (410847.0,
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 (410867.0, 3723600.3, 2.4, 2.4, 0.0); (410887.0,
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 (410907.0, 3723600.3, 2.2, 2.2, 0.0); (410927.0,
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(410987.0, 3723600.3, 2.1, 2.1, 0.0); (411007.0,
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(411067.0, 3723600.3, 1.6, 1.6, 0.0); (411087.0,
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(411107.0, 3723600.3, 1.9, 1.9, 0.0); (411127.0,
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(411147.0, 3723600.3, 2.0, 2.0, 0.0); (411167.0,
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(411187.0, 3723600.3, 2.5, 2.5, 0.0); (411207.0,
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(411227.0, 3723600.3, 2.8, 2.8, 0.0); (411247.0,
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(411267.0, 3723600.3, 2.7, 2.7, 0.0); (411287.0,
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(411307.0, 3723600.3, 2.2, 2.2, 0.0); (411327.0,
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(411347.0, 3723600.3, 2.5, 2.5, 0.0); (411367.0,
3723600.3, 2.4, 2.4, 0.0);
(411387.0, 3723600.3, 2.5, 2.5, 0.0); (411407.0,
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(411427.0, 3723600.3, 1.9, 1.9, 0.0); (411447.0,
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(411467.0, 3723600.3, 1.9, 1.9, 0.0); (411487.0,
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(411507.0, 3723600.3, 2.2, 2.2, 0.0); (411527.0,
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 (411067.0, 3723620.3, 1.7, 1.7, 0.0); (411087.0,
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 (411107.0, 3723620.3, 2.2, 2.2, 0.0); (411127.0,
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 (411147.0, 3723620.3, 2.3, 2.3, 0.0); (411167.0,
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 (411187.0, 3723620.3, 2.4, 2.4, 0.0); (411207.0,
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 (411267.0, 3723620.3, 2.2, 2.2, 0.0); (411287.0,
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 (411307.0, 3723620.3, 2.1, 2.1, 0.0); (411327.0,
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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (411107.0, 3723660.3, 2.0, 2.0, 0.0); (411127.0,
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 (411147.0, 3723660.3, 1.9, 1.9, 0.0); (411167.0,
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 (411187.0, 3723660.3, 1.8, 1.8, 0.0); (411207.0,
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 (411227.0, 3723660.3, 2.0, 2.0, 0.0); (411247.0,
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 (411267.0, 3723660.3, 2.5, 2.5, 0.0); (411287.0,
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 (411307.0, 3723660.3, 2.7, 2.7, 0.0); (411327.0,
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 (411347.0, 3723660.3, 2.6, 2.6, 0.0); (411367.0,
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 (411387.0, 3723660.3, 2.6, 2.6, 0.0); (411407.0,
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 (411427.0, 3723660.3, 2.5, 2.5, 0.0); (411447.0,
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 (411467.0, 3723660.3, 2.3, 2.3, 0.0); (411487.0,
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 (411507.0, 3723660.3, 2.8, 2.8, 0.0); (411527.0,
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 (411547.0, 3723660.3, 2.9, 2.9, 0.0); (411567.0,
 3723660.3, 2.6, 2.6, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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(411227.0, 3723680.3, 1.9, 1.9, 0.0); (411247.0,
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(411347.0, 3723680.3, 2.7, 2.7, 0.0); (411367.0,
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(411387.0, 3723680.3, 2.7, 2.7, 0.0); (411407.0,
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(411467.0, 3723680.3, 2.6, 2.6, 0.0); (411487.0,
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(411507.0, 3723680.3, 2.5, 2.5, 0.0); (411527.0,
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(411587.0, 3723680.3, 2.7, 2.7, 0.0); (411607.0,
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 (410987.0, 3723720.3, 2.4, 2.4, 0.0); (411007.0,
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 (411107.0, 3723720.3, 2.5, 2.5, 0.0); (411127.0,
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 (411147.0, 3723720.3, 2.3, 2.3, 0.0); (411167.0,
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 (411187.0, 3723720.3, 2.0, 2.0, 0.0); (411207.0,
 3723720.3, 1.7, 1.7, 0.0);

^ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(411227.0, 3723720.3, 2.0, 2.0, 0.0); (411247.0,
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 (411267.0, 3723720.3, 2.4, 2.4, 0.0); (411287.0,
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(411587.0, 3723720.3, 2.7, 2.7, 0.0); (411607.0,
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(410987.0, 3723740.3, 2.7, 2.7, 0.0); (411007.0,
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(411027.0, 3723740.3, 2.4, 2.4, 0.0); (411047.0,
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(411067.0, 3723740.3, 2.4, 2.4, 0.0); (411087.0,
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(411107.0, 3723740.3, 2.4, 2.4, 0.0); (411127.0,
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 (411067.0, 3723760.3, 2.4, 2.4, 0.0); (411087.0,
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 (411107.0, 3723760.3, 2.4, 2.4, 0.0); (411127.0,
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 (411147.0, 3723760.3, 2.2, 2.2, 0.0); (411167.0,
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 (411187.0, 3723760.3, 2.1, 2.1, 0.0); (411207.0,
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 (411227.0, 3723760.3, 2.1, 2.1, 0.0); (411247.0,
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 (411267.0, 3723760.3, 2.4, 2.4, 0.0); (411287.0,
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 (411387.0, 3723760.3, 2.7, 2.7, 0.0); (411407.0,
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 (411427.0, 3723760.3, 2.8, 2.8, 0.0); (411447.0,
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 (411547.0, 3723760.3, 2.8, 2.8, 0.0); (411567.0,
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▲ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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(411107.0, 3723780.3, 2.4, 2.4, 0.0); (411127.0,
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 (411147.0, 3723820.3, 1.9, 1.9, 0.0); (411167.0,
 3723820.3, 1.9, 1.9, 0.0);
 (411187.0, 3723820.3, 1.9, 1.9, 0.0); (411207.0,
 3723820.3, 1.9, 1.9, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(411227.0, 3723820.3, 2.0, 2.0, 0.0); (411247.0,

3723820.3, 2.0, 2.0, 0.0);
(411267.0, 3723820.3, 2.0, 2.0, 0.0); (411287.0,
3723820.3, 2.0, 2.0, 0.0);
(411307.0, 3723820.3, 2.1, 2.1, 0.0); (411327.0,
3723820.3, 2.1, 2.1, 0.0);
(411347.0, 3723820.3, 2.2, 2.2, 0.0); (411367.0,
3723820.3, 2.2, 2.2, 0.0);
(411387.0, 3723820.3, 2.2, 2.2, 0.0); (411407.0,
3723820.3, 2.2, 2.2, 0.0);
(411427.0, 3723820.3, 2.3, 2.3, 0.0); (411447.0,
3723820.3, 2.3, 2.3, 0.0);
(411467.0, 3723820.3, 2.4, 2.4, 0.0); (411487.0,
3723820.3, 2.4, 2.4, 0.0);
(411507.0, 3723820.3, 2.4, 2.4, 0.0); (411527.0,
3723820.3, 2.4, 2.4, 0.0);
(411547.0, 3723820.3, 2.5, 2.5, 0.0); (411567.0,
3723820.3, 2.6, 2.6, 0.0);
(411587.0, 3723820.3, 2.6, 2.6, 0.0); (411607.0,
3723820.3, 2.8, 2.8, 0.0);
(410907.0, 3723840.3, 2.4, 2.4, 0.0); (410927.0,
3723840.3, 2.3, 2.3, 0.0);
(410947.0, 3723840.3, 2.2, 2.2, 0.0); (410967.0,
3723840.3, 2.3, 2.3, 0.0);
(410987.0, 3723840.3, 2.2, 2.2, 0.0); (411007.0,
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(411027.0, 3723840.3, 2.1, 2.1, 0.0); (411047.0,
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(411067.0, 3723840.3, 2.0, 2.0, 0.0); (411087.0,
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(411107.0, 3723840.3, 1.8, 1.8, 0.0); (411127.0,
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(411147.0, 3723840.3, 2.1, 2.1, 0.0); (411167.0,
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(411187.0, 3723840.3, 2.2, 2.2, 0.0); (411207.0,
3723840.3, 2.2, 2.2, 0.0);
(411227.0, 3723840.3, 2.1, 2.1, 0.0); (411247.0,
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(411267.0, 3723840.3, 2.3, 2.3, 0.0); (411287.0,
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(411307.0, 3723840.3, 2.4, 2.4, 0.0); (411327.0,
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(411387.0, 3723840.3, 2.5, 2.5, 0.0); (411407.0,
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(411427.0, 3723840.3, 2.3, 2.3, 0.0); (411447.0,
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(411507.0, 3723840.3, 2.4, 2.4, 0.0); (411527.0,

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  ( 411547.0, 3723840.3,      2.6,      2.6,      0.0);      ( 411567.0,
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  ( 411587.0, 3723840.3,      2.6,      2.6,      0.0);      ( 411607.0,
3723840.3,      2.9,      2.9,      0.0);
  ( 410907.0, 3723860.3,      2.3,      2.3,      0.0);      ( 410927.0,
3723860.3,      2.2,      2.2,      0.0);
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  ( 410987.0, 3723860.3,      2.2,      2.2,      0.0);      ( 411007.0,
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  ( 411027.0, 3723860.3,      1.9,      1.9,      0.0);      ( 411047.0,
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  ( 411067.0, 3723860.3,      2.0,      2.0,      0.0);      ( 411087.0,
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  ( 411107.0, 3723860.3,      2.1,      2.1,      0.0);      ( 411127.0,
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  ( 411147.0, 3723860.3,      2.3,      2.3,      0.0);      ( 411167.0,
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  ( 411187.0, 3723860.3,      2.4,      2.4,      0.0);      ( 411207.0,
3723860.3,      2.3,      2.3,      0.0);
  ( 411227.0, 3723860.3,      2.4,      2.4,      0.0);      ( 411247.0,
3723860.3,      2.4,      2.4,      0.0);
  ( 411267.0, 3723860.3,      2.4,      2.4,      0.0);      ( 411287.0,
3723860.3,      2.4,      2.4,      0.0);
  ( 411307.0, 3723860.3,      2.5,      2.5,      0.0);      ( 411327.0,
3723860.3,      2.5,      2.5,      0.0);
  ( 411347.0, 3723860.3,      2.5,      2.5,      0.0);      ( 411367.0,
3723860.3,      2.6,      2.6,      0.0);
  ( 411387.0, 3723860.3,      2.6,      2.6,      0.0);      ( 411407.0,
3723860.3,      2.5,      2.5,      0.0);
  ( 411427.0, 3723860.3,      2.3,      2.3,      0.0);      ( 411447.0,
3723860.3,      2.5,      2.5,      0.0);
  ( 411467.0, 3723860.3,      2.5,      2.5,      0.0);      ( 411487.0,
3723860.3,      2.3,      2.3,      0.0);
  ( 411507.0, 3723860.3,      2.3,      2.3,      0.0);      ( 411527.0,
3723860.3,      2.8,      2.8,      0.0);
  ( 411547.0, 3723860.3,      2.9,      2.9,      0.0);      ( 411567.0,
3723860.3,      2.6,      2.6,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20

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*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

(411587.0, 3723860.3,	2.6,	2.6,	0.0);	(411607.0,
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(410907.0, 3723880.3,	1.8,	1.8,	0.0);	(410927.0,
3723880.3,	1.9,	1.9,	0.0);	
(410947.0, 3723880.3,	1.8,	1.8,	0.0);	(410967.0,
3723880.3,	1.7,	1.7,	0.0);	
(410987.0, 3723880.3,	1.6,	1.6,	0.0);	(411007.0,
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(411027.0, 3723880.3,	1.6,	1.6,	0.0);	(411047.0,
3723880.3,	1.5,	1.5,	0.0);	
(411067.0, 3723880.3,	1.8,	1.8,	0.0);	(411087.0,
3723880.3,	2.1,	2.1,	0.0);	
(411107.0, 3723880.3,	2.1,	2.1,	0.0);	(411127.0,
3723880.3,	2.1,	2.1,	0.0);	
(411147.0, 3723880.3,	2.2,	2.2,	0.0);	(411167.0,
3723880.3,	2.2,	2.2,	0.0);	
(411187.0, 3723880.3,	2.2,	2.2,	0.0);	(411207.0,
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(411227.0, 3723880.3,	2.2,	2.2,	0.0);	(411247.0,
3723880.3,	2.3,	2.3,	0.0);	
(411267.0, 3723880.3,	2.3,	2.3,	0.0);	(411287.0,
3723880.3,	2.3,	2.3,	0.0);	
(411307.0, 3723880.3,	2.3,	2.3,	0.0);	(411327.0,
3723880.3,	2.2,	2.2,	0.0);	
(411347.0, 3723880.3,	2.2,	2.2,	0.0);	(411367.0,
3723880.3,	2.2,	2.2,	0.0);	
(411387.0, 3723880.3,	2.2,	2.2,	0.0);	(411407.0,
3723880.3,	2.0,	2.0,	0.0);	
(411427.0, 3723880.3,	2.3,	2.3,	0.0);	(411447.0,
3723880.3,	2.6,	2.6,	0.0);	
(411467.0, 3723880.3,	2.5,	2.5,	0.0);	(411487.0,
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(411507.0, 3723880.3,	2.3,	2.3,	0.0);	(411527.0,
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(411547.0, 3723880.3,	2.7,	2.7,	0.0);	(411567.0,
3723880.3,	2.6,	2.6,	0.0);	
(411587.0, 3723880.3,	2.6,	2.6,	0.0);	(411607.0,
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(410947.0, 3723900.3,	2.3,	2.3,	0.0);	(410967.0,
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(410987.0, 3723900.3,	2.0,	2.0,	0.0);	(411007.0,
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(411067.0, 3723900.3,	1.9,	1.9,	0.0);	(411087.0,
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(411107.0, 3723900.3,	2.1,	2.1,	0.0);	(411127.0,

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 (411147.0, 3723900.3, 2.6, 2.6, 0.0); (411167.0,
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 (411187.0, 3723900.3, 2.4, 2.4, 0.0); (411207.0,
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 (411227.0, 3723900.3, 2.6, 2.6, 0.0); (411247.0,
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 (411267.0, 3723900.3, 2.7, 2.7, 0.0); (411287.0,
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 (411307.0, 3723900.3, 2.4, 2.4, 0.0); (411327.0,
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 (411347.0, 3723900.3, 2.3, 2.3, 0.0); (411367.0,
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 (411467.0, 3723900.3, 2.5, 2.5, 0.0); (411487.0,
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 (411507.0, 3723900.3, 2.2, 2.2, 0.0); (411527.0,
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 (411587.0, 3723900.3, 2.6, 2.6, 0.0); (411607.0,
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 (410907.0, 3723920.3, 2.2, 2.2, 0.0); (410927.0,
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 (411147.0, 3723920.3, 2.6, 2.6, 0.0); (411167.0,
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 (411187.0, 3723920.3, 2.6, 2.6, 0.0); (411207.0,
 3723920.3, 2.6, 2.6, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(411227.0, 3723920.3,	2.6,	2.6,	0.0);	(411247.0,
3723920.3,	2.6,	2.6,	0.0);	
(411267.0, 3723920.3,	2.7,	2.7,	0.0);	(411287.0,
3723920.3,	2.6,	2.6,	0.0);	
(411307.0, 3723920.3,	2.5,	2.5,	0.0);	(411327.0,
3723920.3,	2.5,	2.5,	0.0);	
(411347.0, 3723920.3,	2.4,	2.4,	0.0);	(411367.0,
3723920.3,	2.5,	2.5,	0.0);	
(411387.0, 3723920.3,	2.5,	2.5,	0.0);	(411407.0,
3723920.3,	2.0,	2.0,	0.0);	
(411427.0, 3723920.3,	2.3,	2.3,	0.0);	(411447.0,
3723920.3,	2.5,	2.5,	0.0);	
(411467.0, 3723920.3,	2.5,	2.5,	0.0);	(411487.0,
3723920.3,	2.2,	2.2,	0.0);	
(411507.0, 3723920.3,	2.1,	2.1,	0.0);	(411527.0,
3723920.3,	2.3,	2.3,	0.0);	
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3723920.3,	2.7,	2.7,	0.0);	
(411587.0, 3723920.3,	2.6,	2.6,	0.0);	(411607.0,
3723920.3,	2.7,	2.7,	0.0);	
(410907.0, 3723940.3,	2.3,	2.3,	0.0);	(410927.0,
3723940.3,	2.6,	2.6,	0.0);	
(410947.0, 3723940.3,	2.4,	2.4,	0.0);	(410967.0,
3723940.3,	2.1,	2.1,	0.0);	
(410987.0, 3723940.3,	2.2,	2.2,	0.0);	(411007.0,
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(411027.0, 3723940.3,	2.1,	2.1,	0.0);	(411047.0,
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(411067.0, 3723940.3,	2.0,	2.0,	0.0);	(411087.0,
3723940.3,	2.1,	2.1,	0.0);	
(411107.0, 3723940.3,	2.1,	2.1,	0.0);	(411127.0,
3723940.3,	2.4,	2.4,	0.0);	
(411147.0, 3723940.3,	2.7,	2.7,	0.0);	(411167.0,
3723940.3,	2.8,	2.8,	0.0);	
(411187.0, 3723940.3,	2.9,	2.9,	0.0);	(411207.0,
3723940.3,	2.9,	2.9,	0.0);	
(411227.0, 3723940.3,	2.8,	2.8,	0.0);	(411247.0,
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(411267.0, 3723940.3,	2.7,	2.7,	0.0);	(411287.0,
3723940.3,	2.6,	2.6,	0.0);	
(411307.0, 3723940.3,	2.7,	2.7,	0.0);	(411327.0,
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(411347.0, 3723940.3,	2.8,	2.8,	0.0);	(411367.0,
3723940.3,	2.9,	2.9,	0.0);	
(411387.0, 3723940.3,	2.8,	2.8,	0.0);	(411407.0,
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(411427.0, 3723940.3,	2.2,	2.2,	0.0);	(411447.0,

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 3723960.3, 2.3, 2.3, 0.0);
 (411467.0, 3723960.3, 2.4, 2.4, 0.0); (411487.0,
 3723960.3, 2.4, 2.4, 0.0);
 (411507.0, 3723960.3, 2.5, 2.5, 0.0); (411527.0,
 3723960.3, 2.7, 2.7, 0.0);
 (411547.0, 3723960.3, 2.7, 2.7, 0.0); (411567.0,
 3723960.3, 2.7, 2.7, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(411587.0, 3723960.3,	2.6,	2.6,	0.0);	(411607.0,
3723960.3,	2.6,	2.6,	0.0);	
(412145.6, 3727370.4,	5.5,	5.5,	0.0);	(412165.6,
3727370.4,	5.1,	5.1,	0.0);	
(412185.6, 3727370.4,	5.7,	5.7,	0.0);	(412205.6,
3727370.4,	5.7,	5.7,	0.0);	
(412225.6, 3727370.4,	5.4,	5.4,	0.0);	(412245.6,
3727370.4,	5.3,	5.3,	0.0);	
(412265.6, 3727370.4,	5.8,	5.8,	0.0);	(412285.6,
3727370.4,	6.0,	6.0,	0.0);	
(412305.6, 3727370.4,	6.1,	6.1,	0.0);	(412325.6,
3727370.4,	6.1,	6.1,	0.0);	
(412345.6, 3727370.4,	6.1,	6.1,	0.0);	(412365.6,
3727370.4,	6.2,	6.2,	0.0);	
(412145.6, 3727390.4,	5.3,	5.3,	0.0);	(412165.6,
3727390.4,	5.0,	5.0,	0.0);	
(412185.6, 3727390.4,	5.4,	5.4,	0.0);	(412205.6,
3727390.4,	5.4,	5.4,	0.0);	
(412225.6, 3727390.4,	5.3,	5.3,	0.0);	(412245.6,
3727390.4,	5.2,	5.2,	0.0);	
(412265.6, 3727390.4,	5.5,	5.5,	0.0);	(412285.6,
3727390.4,	5.7,	5.7,	0.0);	
(412305.6, 3727390.4,	5.8,	5.8,	0.0);	(412325.6,
3727390.4,	5.9,	5.9,	0.0);	
(412345.6, 3727390.4,	5.8,	5.8,	0.0);	(412365.6,
3727390.4,	6.1,	6.1,	0.0);	
(412145.6, 3727410.4,	5.1,	5.1,	0.0);	(412165.6,
3727410.4,	5.2,	5.2,	0.0);	
(412185.6, 3727410.4,	5.2,	5.2,	0.0);	(412205.6,
3727410.4,	5.2,	5.2,	0.0);	
(412225.6, 3727410.4,	5.2,	5.2,	0.0);	(412245.6,
3727410.4,	5.3,	5.3,	0.0);	
(412265.6, 3727410.4,	5.3,	5.3,	0.0);	(412285.6,
3727410.4,	5.5,	5.5,	0.0);	
(412305.6, 3727410.4,	5.6,	5.6,	0.0);	(412325.6,
3727410.4,	5.7,	5.7,	0.0);	
(412345.6, 3727410.4,	5.7,	5.7,	0.0);	(412365.6,
3727410.4,	6.0,	6.0,	0.0);	
(412145.6, 3727430.4,	5.6,	5.6,	0.0);	(412165.6,
3727430.4,	5.8,	5.8,	0.0);	
(412185.6, 3727430.4,	5.7,	5.7,	0.0);	(412205.6,
3727430.4,	5.8,	5.8,	0.0);	
(412225.6, 3727430.4,	5.8,	5.8,	0.0);	(412245.6,
3727430.4,	5.8,	5.8,	0.0);	
(412265.6, 3727430.4,	5.9,	5.9,	0.0);	(412285.6,

3727430.4, 6.0, 6.0, 0.0);
 (412305.6, 3727430.4, 6.1, 6.1, 0.0); (412325.6,
 3727430.4, 6.1, 6.1, 0.0);
 (412345.6, 3727430.4, 6.1, 6.1, 0.0); (412365.6,
 3727430.4, 6.1, 6.1, 0.0);
 (412145.6, 3727450.4, 6.0, 6.0, 0.0); (412165.6,
 3727450.4, 6.0, 6.0, 0.0);
 (412185.6, 3727450.4, 6.0, 6.0, 0.0); (412205.6,
 3727450.4, 6.0, 6.0, 0.0);
 (412225.6, 3727450.4, 6.1, 6.1, 0.0); (412245.6,
 3727450.4, 6.2, 6.2, 0.0);
 (412265.6, 3727450.4, 6.3, 6.3, 0.0); (412285.6,
 3727450.4, 6.3, 6.3, 0.0);
 (412305.6, 3727450.4, 6.3, 6.3, 0.0); (412325.6,
 3727450.4, 6.4, 6.4, 0.0);
 (412345.6, 3727450.4, 6.3, 6.3, 0.0); (412365.6,
 3727450.4, 6.2, 6.2, 0.0);
 (412145.6, 3727470.4, 6.1, 6.1, 0.0); (412165.6,
 3727470.4, 6.0, 6.0, 0.0);
 (412185.6, 3727470.4, 6.0, 6.0, 0.0); (412205.6,
 3727470.4, 6.1, 6.1, 0.0);
 (412225.6, 3727470.4, 6.1, 6.1, 0.0); (412245.6,
 3727470.4, 6.2, 6.2, 0.0);
 (412265.6, 3727470.4, 6.3, 6.3, 0.0); (412285.6,
 3727470.4, 6.2, 6.2, 0.0);
 (412305.6, 3727470.4, 6.3, 6.3, 0.0); (412325.6,
 3727470.4, 6.4, 6.4, 0.0);
 (412345.6, 3727470.4, 6.4, 6.4, 0.0); (412365.6,
 3727470.4, 6.3, 6.3, 0.0);
 (412145.6, 3727490.4, 6.1, 6.1, 0.0); (412165.6,
 3727490.4, 6.0, 6.0, 0.0);
 (412185.6, 3727490.4, 6.0, 6.0, 0.0); (412205.6,
 3727490.4, 6.2, 6.2, 0.0);
 (412225.6, 3727490.4, 6.2, 6.2, 0.0); (412245.6,
 3727490.4, 6.2, 6.2, 0.0);
 (412265.6, 3727490.4, 6.3, 6.3, 0.0); (412285.6,
 3727490.4, 6.3, 6.3, 0.0);
 (412305.6, 3727490.4, 6.3, 6.3, 0.0); (412325.6,
 3727490.4, 6.4, 6.4, 0.0);
 (412345.6, 3727490.4, 6.4, 6.4, 0.0); (412365.6,
 3727490.4, 6.3, 6.3, 0.0);
 (412145.6, 3727510.4, 6.3, 6.3, 0.0); (412165.6,
 3727510.4, 6.3, 6.3, 0.0);
 (412185.6, 3727510.4, 6.4, 6.4, 0.0); (412205.6,
 3727510.4, 6.4, 6.4, 0.0);

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(412225.6, 3727510.4,	6.4,	6.4,	0.0);	(412245.6,
3727510.4, 6.5,	6.5,	0.0);		
(412265.6, 3727510.4,	6.5,	6.5,	0.0);	(412285.6,
3727510.4, 6.5,	6.5,	0.0);		
(412305.6, 3727510.4,	6.6,	6.6,	0.0);	(412325.6,
3727510.4, 6.5,	6.5,	0.0);		
(412345.6, 3727510.4,	6.6,	6.6,	0.0);	(412365.6,
3727510.4, 6.5,	6.5,	0.0);		
(412145.6, 3727530.4,	6.1,	6.1,	0.0);	(412165.6,
3727530.4, 6.1,	6.1,	0.0);		
(412185.6, 3727530.4,	6.2,	6.2,	0.0);	(412205.6,
3727530.4, 6.2,	6.2,	0.0);		
(412225.6, 3727530.4,	6.2,	6.2,	0.0);	(412245.6,
3727530.4, 6.2,	6.2,	0.0);		
(412265.6, 3727530.4,	6.3,	6.3,	0.0);	(412285.6,
3727530.4, 6.3,	6.3,	0.0);		
(412305.6, 3727530.4,	6.3,	6.3,	0.0);	(412325.6,
3727530.4, 6.3,	6.3,	0.0);		
(412345.6, 3727530.4,	6.6,	6.6,	0.0);	(412365.6,
3727530.4, 6.5,	6.5,	0.0);		
(412145.6, 3727550.4,	6.0,	6.0,	0.0);	(412165.6,
3727550.4, 6.1,	6.1,	0.0);		
(412185.6, 3727550.4,	6.1,	6.1,	0.0);	(412205.6,
3727550.4, 6.1,	6.1,	0.0);		
(412225.6, 3727550.4,	6.1,	6.1,	0.0);	(412245.6,
3727550.4, 6.2,	6.2,	0.0);		
(412265.6, 3727550.4,	6.2,	6.2,	0.0);	(412285.6,
3727550.4, 6.2,	6.2,	0.0);		
(412305.6, 3727550.4,	6.2,	6.2,	0.0);	(412325.6,
3727550.4, 6.1,	6.1,	0.0);		
(412345.6, 3727550.4,	6.6,	6.6,	0.0);	(412365.6,
3727550.4, 6.5,	6.5,	0.0);		
(412145.6, 3727570.4,	6.4,	6.4,	0.0);	(412165.6,
3727570.4, 6.5,	6.5,	0.0);		
(412185.6, 3727570.4,	6.5,	6.5,	0.0);	(412205.6,
3727570.4, 6.6,	6.6,	0.0);		
(412225.6, 3727570.4,	6.5,	6.5,	0.0);	(412245.6,
3727570.4, 6.6,	6.6,	0.0);		
(412265.6, 3727570.4,	6.7,	6.7,	0.0);	(412285.6,
3727570.4, 6.7,	6.7,	0.0);		
(412305.6, 3727570.4,	6.6,	6.6,	0.0);	(412325.6,
3727570.4, 6.2,	6.2,	0.0);		
(412345.6, 3727570.4,	6.6,	6.6,	0.0);	(412365.6,

3727570.4, 6.5, 6.5, 0.0);
 (412145.6, 3727590.4, 6.5, 6.5, 0.0); (412165.6,
 3727590.4, 6.6, 6.6, 0.0);
 (412185.6, 3727590.4, 6.7, 6.7, 0.0); (412205.6,
 3727590.4, 6.7, 6.7, 0.0);
 (412225.6, 3727590.4, 6.7, 6.7, 0.0); (412245.6,
 3727590.4, 6.7, 6.7, 0.0);
 (412265.6, 3727590.4, 6.8, 6.8, 0.0); (412285.6,
 3727590.4, 6.8, 6.8, 0.0);
 (412305.6, 3727590.4, 6.6, 6.6, 0.0); (412325.6,
 3727590.4, 6.2, 6.2, 0.0);
 (412345.6, 3727590.4, 6.6, 6.6, 0.0); (412365.6,
 3727590.4, 6.5, 6.5, 0.0);
 (412145.6, 3727610.4, 6.3, 6.3, 0.0); (412165.6,
 3727610.4, 6.3, 6.3, 0.0);
 (412185.6, 3727610.4, 6.4, 6.4, 0.0); (412205.6,
 3727610.4, 6.4, 6.4, 0.0);
 (412225.6, 3727610.4, 6.4, 6.4, 0.0); (412245.6,
 3727610.4, 6.3, 6.3, 0.0);
 (412265.6, 3727610.4, 6.6, 6.6, 0.0); (412285.6,
 3727610.4, 6.8, 6.8, 0.0);
 (412305.6, 3727610.4, 6.6, 6.6, 0.0); (412325.6,
 3727610.4, 6.2, 6.2, 0.0);
 (412345.6, 3727610.4, 6.6, 6.6, 0.0); (412365.6,
 3727610.4, 6.5, 6.5, 0.0);
 (412145.6, 3727630.4, 6.1, 6.1, 0.0); (412165.6,
 3727630.4, 6.2, 6.2, 0.0);
 (412185.6, 3727630.4, 6.2, 6.2, 0.0); (412205.6,
 3727630.4, 6.2, 6.2, 0.0);
 (412225.6, 3727630.4, 6.3, 6.3, 0.0); (412245.6,
 3727630.4, 6.3, 6.3, 0.0);
 (412265.6, 3727630.4, 6.6, 6.6, 0.0); (412285.6,
 3727630.4, 6.8, 6.8, 0.0);
 (412305.6, 3727630.4, 6.7, 6.7, 0.0); (412325.6,
 3727630.4, 6.2, 6.2, 0.0);
 (412345.6, 3727630.4, 6.4, 6.4, 0.0); (412365.6,
 3727630.4, 6.4, 6.4, 0.0);
 (412145.6, 3727650.4, 6.6, 6.6, 0.0); (412165.6,
 3727650.4, 6.7, 6.7, 0.0);
 (412185.6, 3727650.4, 6.7, 6.7, 0.0); (412205.6,
 3727650.4, 6.7, 6.7, 0.0);
 (412225.6, 3727650.4, 6.7, 6.7, 0.0); (412245.6,
 3727650.4, 6.8, 6.8, 0.0);
 (412265.6, 3727650.4, 6.8, 6.8, 0.0); (412285.6,
 3727650.4, 6.9, 6.9, 0.0);
 (412305.6, 3727650.4, 6.7, 6.7, 0.0); (412325.6,
 3727650.4, 6.3, 6.3, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(412345.6, 3727650.4,	6.7,	6.7,	0.0);	(412365.6,
3727650.4,	6.6,	6.6,	0.0);	
(412145.6, 3727670.4,	6.7,	6.7,	0.0);	(412165.6,
3727670.4,	6.7,	6.7,	0.0);	
(412185.6, 3727670.4,	6.8,	6.8,	0.0);	(412205.6,
3727670.4,	6.8,	6.8,	0.0);	
(412225.6, 3727670.4,	6.8,	6.8,	0.0);	(412245.6,
3727670.4,	6.8,	6.8,	0.0);	
(412265.6, 3727670.4,	6.9,	6.9,	0.0);	(412285.6,
3727670.4,	7.0,	7.0,	0.0);	
(412305.6, 3727670.4,	6.8,	6.8,	0.0);	(412325.6,
3727670.4,	6.4,	6.4,	0.0);	
(412345.6, 3727670.4,	6.8,	6.8,	0.0);	(412365.6,
3727670.4,	6.6,	6.6,	0.0);	
(412145.6, 3727690.4,	6.3,	6.3,	0.0);	(412165.6,
3727690.4,	6.4,	6.4,	0.0);	
(412185.6, 3727690.4,	6.4,	6.4,	0.0);	(412205.6,
3727690.4,	6.5,	6.5,	0.0);	
(412225.6, 3727690.4,	6.5,	6.5,	0.0);	(412245.6,
3727690.4,	6.4,	6.4,	0.0);	
(412265.6, 3727690.4,	6.8,	6.8,	0.0);	(412285.6,
3727690.4,	6.9,	6.9,	0.0);	
(412305.6, 3727690.4,	6.7,	6.7,	0.0);	(412325.6,
3727690.4,	6.4,	6.4,	0.0);	
(412345.6, 3727690.4,	6.8,	6.8,	0.0);	(412365.6,
3727690.4,	6.6,	6.6,	0.0);	
(412145.6, 3727710.4,	6.2,	6.2,	0.0);	(412165.6,
3727710.4,	6.2,	6.2,	0.0);	
(412185.6, 3727710.4,	6.3,	6.3,	0.0);	(412205.6,
3727710.4,	6.3,	6.3,	0.0);	
(412225.6, 3727710.4,	6.4,	6.4,	0.0);	(412245.6,
3727710.4,	6.3,	6.3,	0.0);	
(412265.6, 3727710.4,	6.8,	6.8,	0.0);	(412285.6,
3727710.4,	6.9,	6.9,	0.0);	
(412305.6, 3727710.4,	6.8,	6.8,	0.0);	(412325.6,
3727710.4,	6.4,	6.4,	0.0);	
(412345.6, 3727710.4,	6.8,	6.8,	0.0);	(412365.6,
3727710.4,	6.7,	6.7,	0.0);	
(412145.6, 3727730.4,	6.6,	6.6,	0.0);	(412165.6,
3727730.4,	6.8,	6.8,	0.0);	
(412185.6, 3727730.4,	6.8,	6.8,	0.0);	(412205.6,

3727730.4, 6.8, 6.8, 0.0);
 (412225.6, 3727730.4, 6.8, 6.8, 0.0); (412245.6,
 3727730.4, 6.8, 6.8, 0.0);
 (412265.6, 3727730.4, 6.9, 6.9, 0.0); (412285.6,
 3727730.4, 7.0, 7.0, 0.0);
 (412305.6, 3727730.4, 6.8, 6.8, 0.0); (412325.6,
 3727730.4, 6.4, 6.4, 0.0);
 (412345.6, 3727730.4, 6.9, 6.9, 0.0); (412365.6,
 3727730.4, 6.7, 6.7, 0.0);
 (412145.6, 3727750.4, 6.7, 6.7, 0.0); (412165.6,
 3727750.4, 6.8, 6.8, 0.0);
 (412185.6, 3727750.4, 6.8, 6.8, 0.0); (412205.6,
 3727750.4, 6.8, 6.8, 0.0);
 (412225.6, 3727750.4, 6.8, 6.8, 0.0); (412245.6,
 3727750.4, 6.9, 6.9, 0.0);
 (412265.6, 3727750.4, 6.9, 6.9, 0.0); (412285.6,
 3727750.4, 6.9, 6.9, 0.0);
 (412305.6, 3727750.4, 6.8, 6.8, 0.0); (412325.6,
 3727750.4, 6.5, 6.5, 0.0);
 (412345.6, 3727750.4, 6.9, 6.9, 0.0); (412365.6,
 3727750.4, 6.7, 6.7, 0.0);
 (412145.6, 3727770.4, 6.5, 6.5, 0.0); (412165.6,
 3727770.4, 6.5, 6.5, 0.0);
 (412185.6, 3727770.4, 6.6, 6.6, 0.0); (412205.6,
 3727770.4, 6.6, 6.6, 0.0);
 (412225.6, 3727770.4, 6.6, 6.6, 0.0); (412245.6,
 3727770.4, 6.6, 6.6, 0.0);
 (412265.6, 3727770.4, 6.7, 6.7, 0.0); (412285.6,
 3727770.4, 6.7, 6.7, 0.0);
 (412305.6, 3727770.4, 6.7, 6.7, 0.0); (412325.6,
 3727770.4, 6.4, 6.4, 0.0);
 (412345.6, 3727770.4, 6.8, 6.8, 0.0); (412365.6,
 3727770.4, 6.7, 6.7, 0.0);
 (412145.6, 3727790.4, 6.1, 6.1, 0.0); (412165.6,
 3727790.4, 6.2, 6.2, 0.0);
 (412185.6, 3727790.4, 6.2, 6.2, 0.0); (412205.6,
 3727790.4, 6.2, 6.2, 0.0);
 (412225.6, 3727790.4, 6.3, 6.3, 0.0); (412245.6,
 3727790.4, 6.3, 6.3, 0.0);
 (412265.6, 3727790.4, 6.3, 6.3, 0.0); (412285.6,
 3727790.4, 6.3, 6.3, 0.0);
 (412305.6, 3727790.4, 6.4, 6.4, 0.0); (412325.6,
 3727790.4, 6.4, 6.4, 0.0);
 (412345.6, 3727790.4, 6.8, 6.8, 0.0); (412365.6,
 3727790.4, 6.7, 6.7, 0.0);
 (412145.6, 3727810.4, 6.4, 6.4, 0.0); (412165.6,
 3727810.4, 6.5, 6.5, 0.0);
 (412185.6, 3727810.4, 6.5, 6.5, 0.0); (412205.6,
 3727810.4, 6.5, 6.5, 0.0);

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(412225.6, 3727810.4,	6.6,	6.6,	0.0);	(412245.6,
3727810.4,	6.5,	6.5,	0.0);	
(412265.6, 3727810.4,	6.6,	6.6,	0.0);	(412285.6,
3727810.4,	6.6,	6.6,	0.0);	
(412305.6, 3727810.4,	6.6,	6.6,	0.0);	(412325.6,
3727810.4,	6.7,	6.7,	0.0);	
(412345.6, 3727810.4,	6.8,	6.8,	0.0);	(412365.6,
3727810.4,	6.6,	6.6,	0.0);	
(412145.6, 3727830.4,	6.1,	6.1,	0.0);	(412165.6,
3727830.4,	6.1,	6.1,	0.0);	
(412185.6, 3727830.4,	6.2,	6.2,	0.0);	(412205.6,
3727830.4,	6.2,	6.2,	0.0);	
(412225.6, 3727830.4,	6.3,	6.3,	0.0);	(412245.6,
3727830.4,	6.3,	6.3,	0.0);	
(412265.6, 3727830.4,	6.2,	6.2,	0.0);	(412285.6,
3727830.4,	6.3,	6.3,	0.0);	
(412305.6, 3727830.4,	6.3,	6.3,	0.0);	(412325.6,
3727830.4,	6.4,	6.4,	0.0);	
(412345.6, 3727830.4,	6.4,	6.4,	0.0);	(412365.6,
3727830.4,	6.2,	6.2,	0.0);	
(412145.6, 3727850.4,	6.0,	6.0,	0.0);	(412165.6,
3727850.4,	6.1,	6.1,	0.0);	
(412185.6, 3727850.4,	6.1,	6.1,	0.0);	(412205.6,
3727850.4,	6.1,	6.1,	0.0);	
(412225.6, 3727850.4,	6.1,	6.1,	0.0);	(412245.6,
3727850.4,	6.2,	6.2,	0.0);	
(412265.6, 3727850.4,	6.2,	6.2,	0.0);	(412285.6,
3727850.4,	6.2,	6.2,	0.0);	
(412305.6, 3727850.4,	6.2,	6.2,	0.0);	(412325.6,
3727850.4,	6.3,	6.3,	0.0);	
(412345.6, 3727850.4,	6.3,	6.3,	0.0);	(412365.6,
3727850.4,	6.2,	6.2,	0.0);	
(412145.6, 3727870.4,	6.4,	6.4,	0.0);	(412165.6,
3727870.4,	6.7,	6.7,	0.0);	
(412185.6, 3727870.4,	6.7,	6.7,	0.0);	(412205.6,
3727870.4,	6.3,	6.3,	0.0);	
(412225.6, 3727870.4,	6.6,	6.6,	0.0);	(412245.6,
3727870.4,	6.9,	6.9,	0.0);	
(412265.6, 3727870.4,	6.9,	6.9,	0.0);	(412285.6,

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(412305.6, 3727870.4, 7.0, 7.0, 0.0); (412325.6,
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(412345.6, 3727870.4, 7.1, 7.1, 0.0); (412365.6,
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(412185.6, 3727890.4, 6.9, 6.9, 0.0); (412205.6,
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(412225.6, 3727890.4, 6.5, 6.5, 0.0); (412245.6,
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(412265.6, 3727890.4, 6.8, 6.8, 0.0); (412285.6,
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(412305.6, 3727890.4, 6.8, 6.8, 0.0); (412325.6,
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(412345.6, 3727910.4, 6.7, 6.7, 0.0); (412365.6,
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(412145.6, 3727930.4, 6.8, 6.8, 0.0); (412165.6,
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(412185.6, 3727930.4, 7.0, 7.0, 0.0); (412205.6,
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(412225.6, 3727930.4, 6.8, 6.8, 0.0); (412245.6,
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(412265.6, 3727930.4, 7.0, 7.0, 0.0); (412285.6,
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(412305.6, 3727930.4, 7.1, 7.1, 0.0); (412325.6,
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(412345.6, 3727930.4, 7.2, 7.2, 0.0); (412365.6,
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(412185.6, 3727950.4, 7.1, 7.1, 0.0); (412205.6,
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(412225.6, 3727950.4, 6.8, 6.8, 0.0); (412245.6,
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(412265.6, 3727950.4, 7.2, 7.2, 0.0); (412285.6,
3727950.4, 7.2, 7.2, 0.0);
(412305.6, 3727950.4, 7.3, 7.3, 0.0); (412325.6,

3727950.4, 7.3, 7.3, 0.0);
 ▲ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(412345.6, 3727950.4,	7.3,	7.3,	0.0);	(412365.6,
3727950.4, 6.6,	6.6,	0.0);		
(412145.6, 3727970.4,	6.8,	6.8,	0.0);	(412165.6,
3727970.4, 7.0,	7.0,	0.0);		
(412185.6, 3727970.4,	7.1,	7.1,	0.0);	(412205.6,
3727970.4, 6.6,	6.6,	0.0);		
(412225.6, 3727970.4,	6.9,	6.9,	0.0);	(412245.6,
3727970.4, 7.1,	7.1,	0.0);		
(412265.6, 3727970.4,	7.2,	7.2,	0.0);	(412285.6,
3727970.4, 7.2,	7.2,	0.0);		
(412305.6, 3727970.4,	7.2,	7.2,	0.0);	(412325.6,
3727970.4, 7.2,	7.2,	0.0);		
(412345.6, 3727970.4,	7.2,	7.2,	0.0);	(412365.6,
3727970.4, 6.6,	6.6,	0.0);		
(412145.6, 3727990.4,	6.7,	6.7,	0.0);	(412165.6,
3727990.4, 7.0,	7.0,	0.0);		
(412185.6, 3727990.4,	7.2,	7.2,	0.0);	(412205.6,
3727990.4, 6.7,	6.7,	0.0);		
(412225.6, 3727990.4,	6.6,	6.6,	0.0);	(412245.6,
3727990.4, 6.7,	6.7,	0.0);		
(412265.6, 3727990.4,	6.7,	6.7,	0.0);	(412285.6,
3727990.4, 6.8,	6.8,	0.0);		
(412305.6, 3727990.4,	6.8,	6.8,	0.0);	(412325.6,
3727990.4, 6.8,	6.8,	0.0);		
(412345.6, 3727990.4,	6.8,	6.8,	0.0);	(412365.6,
3727990.4, 6.6,	6.6,	0.0);		
(412145.6, 3728010.4,	6.7,	6.7,	0.0);	(412165.6,
3728010.4, 7.0,	7.0,	0.0);		
(412185.6, 3728010.4,	7.1,	7.1,	0.0);	(412205.6,
3728010.4, 6.6,	6.6,	0.0);		
(412225.6, 3728010.4,	6.9,	6.9,	0.0);	(412245.6,
3728010.4, 7.1,	7.1,	0.0);		
(412265.6, 3728010.4,	7.2,	7.2,	0.0);	(412285.6,
3728010.4, 7.2,	7.2,	0.0);		
(412305.6, 3728010.4,	7.2,	7.2,	0.0);	(412325.6,
3728010.4, 7.2,	7.2,	0.0);		
(412345.6, 3728010.4,	7.2,	7.2,	0.0);	(412365.6,

3728010.4, 6.7, 6.7, 0.0);
 (412145.6, 3728030.4, 6.7, 6.7, 0.0); (412165.6,
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 (412185.6, 3728030.4, 7.2, 7.2, 0.0); (412205.6,
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 (412225.6, 3728030.4, 6.9, 6.9, 0.0); (412245.6,
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 (412305.6, 3728030.4, 7.3, 7.3, 0.0); (412325.6,
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 (412145.6, 3728050.4, 6.6, 6.6, 0.0); (412165.6,
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 (412305.6, 3728050.4, 7.1, 7.1, 0.0); (412325.6,
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 (412345.6, 3728050.4, 7.2, 7.2, 0.0); (412365.6,
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 (412185.6, 3728070.4, 7.1, 7.1, 0.0); (412205.6,
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 (412225.6, 3728070.4, 6.5, 6.5, 0.0); (412245.6,
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 (412265.6, 3728070.4, 6.6, 6.6, 0.0); (412285.6,
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 (412305.6, 3728070.4, 6.7, 6.7, 0.0); (412325.6,
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 (412345.6, 3728070.4, 6.7, 6.7, 0.0); (412365.6,
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 (412145.6, 3728090.4, 6.8, 6.8, 0.0); (412165.6,
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 (412185.6, 3728090.4, 6.9, 6.9, 0.0); (412205.6,
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 (412225.6, 3728090.4, 6.6, 6.6, 0.0); (412245.6,
 3728090.4, 6.8, 6.8, 0.0);
 (412265.6, 3728090.4, 6.8, 6.8, 0.0); (412285.6,
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 (412305.6, 3728090.4, 6.9, 6.9, 0.0); (412325.6,
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 (412345.6, 3728090.4, 6.9, 6.9, 0.0); (412365.6,
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 (412145.6, 3728110.4, 6.9, 6.9, 0.0); (412165.6,

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( 412185.6, 3728110.4,      6.9,      6.9,      0.0);      ( 412205.6,
3728110.4,      6.4,      6.4,      0.0);
^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
***                                ***      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 412225.6, 3728110.4,      6.8,      6.8,      0.0);      ( 412245.6,
3728110.4,      7.1,      7.1,      0.0);
( 412265.6, 3728110.4,      7.2,      7.2,      0.0);      ( 412285.6,
3728110.4,      7.2,      7.2,      0.0);
( 412305.6, 3728110.4,      7.1,      7.1,      0.0);      ( 412325.6,
3728110.4,      7.2,      7.2,      0.0);
( 412345.6, 3728110.4,      7.3,      7.3,      0.0);      ( 412365.6,
3728110.4,      6.7,      6.7,      0.0);
( 412145.6, 3728130.4,      6.8,      6.8,      0.0);      ( 412165.6,
3728130.4,      6.8,      6.8,      0.0);
( 412185.6, 3728130.4,      6.9,      6.9,      0.0);      ( 412205.6,
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( 412225.6, 3728130.4,      6.7,      6.7,      0.0);      ( 412245.6,
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( 412265.6, 3728130.4,      6.9,      6.9,      0.0);      ( 412285.6,
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( 412305.6, 3728130.4,      7.0,      7.0,      0.0);      ( 412325.6,
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( 412345.6, 3728130.4,      6.9,      6.9,      0.0);      ( 412365.6,
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( 412145.6, 3728150.4,      6.4,      6.4,      0.0);      ( 412165.6,
3728150.4,      6.4,      6.4,      0.0);
( 412185.6, 3728150.4,      6.6,      6.6,      0.0);      ( 412205.6,
3728150.4,      6.3,      6.3,      0.0);
( 412225.6, 3728150.4,      6.5,      6.5,      0.0);      ( 412245.6,
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( 412265.6, 3728150.4,      6.6,      6.6,      0.0);      ( 412285.6,
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( 412305.6, 3728150.4,      6.7,      6.7,      0.0);      ( 412325.6,
3728150.4,      6.6,      6.6,      0.0);
( 412345.6, 3728150.4,      6.6,      6.6,      0.0);      ( 412365.6,
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( 412145.6, 3728170.4,      6.3,      6.3,      0.0);      ( 412165.6,
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(412265.6, 3728210.4, 6.8, 6.8, 0.0); (412285.6,
3728210.4, 6.9, 6.9, 0.0);
(412305.6, 3728210.4, 6.9, 6.9, 0.0); (412325.6,
3728210.4, 6.9, 6.9, 0.0);
(412345.6, 3728210.4, 6.9, 6.9, 0.0); (412365.6,
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(412185.6, 3728230.4, 6.3, 6.3, 0.0); (412205.6,
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(412265.6, 3728230.4, 6.6, 6.6, 0.0); (412285.6,
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(412305.6, 3728230.4, 6.6, 6.6, 0.0); (412325.6,
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(412345.6, 3728230.4, 6.7, 6.7, 0.0); (412365.6,
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(412145.6, 3728250.4, 5.8, 5.8, 0.0); (412165.6,
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(412185.6, 3728250.4, 6.0, 6.0, 0.0); (412205.6,
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(412225.6, 3728250.4, 6.1, 6.1, 0.0); (412245.6,

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  ( 412265.6, 3728250.4,      6.2,      6.2,      0.0);      ( 412285.6,
3728250.4,      6.2,      6.2,      0.0);
  ( 412305.6, 3728250.4,      6.3,      6.3,      0.0);      ( 412325.6,
3728250.4,      6.3,      6.3,      0.0);
^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 412345.6, 3728250.4,      6.3,      6.3,      0.0);      ( 412365.6,
3728250.4,      6.4,      6.4,      0.0);
  ( 412145.6, 3728270.4,      6.0,      6.0,      0.0);      ( 412165.6,
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  ( 412185.6, 3728270.4,      6.6,      6.6,      0.0);      ( 412205.6,
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▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                                     ***      05/26/20

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*** AERMET - VERSION 16216 ***      ***
                                     ***      16:48:31

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*** MODELOPTs:      RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                ***
*** AERMET - VERSION 16216 ***      ***
***                                ***
***                                05/26/20
***                                16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20

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*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs:      RegDFault  CONC  ELEV  URBAN  ADJ_U*

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      *** DISCRETE CARTESIAN RECEPTORS ***
      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
      (METERS)

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      ( 412225.6, 3729010.4,      7.6,      7.6,      0.0);      ( 412245.6,
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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20

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*** AERMET - VERSION 16216 ***      ***

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*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

PROCESSING *** ** METEOROLOGICAL DAYS SELECTED FOR

(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

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▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

DATA *** ** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

```

Surface file: JOHNWAYNEINT'LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.SFC
Met Version: 16216
Profile file: JOHNWAYNEINT'LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.PFL

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Surface format: FREE

Profile format: FREE

Surface station no.: 93184
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-4.5	0.082	-9.000	-9.000	-999.	56.	11.0	0.12	2.65	
1.00	0.87	62.		5.8	283.8	2.0								
12	01	01	1	02	-3.5	0.073	-9.000	-9.000	-999.	47.	9.9	0.12	2.65	
1.00	0.77	27.		5.8	283.1	2.0								
12	01	01	1	03	-3.5	0.073	-9.000	-9.000	-999.	47.	9.9	0.12	2.65	
1.00	0.77	336.		5.8	283.1	2.0								
12	01	01	1	04	-3.3	0.070	-9.000	-9.000	-999.	45.	9.7	0.12	2.65	
1.00	0.74	34.		5.8	283.1	2.0								
12	01	01	1	05	-3.0	0.068	-9.000	-9.000	-999.	42.	9.4	0.12	2.65	
1.00	0.70	154.		5.8	282.5	2.0								
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.12	2.65	
1.00	0.00	0.		5.8	282.0	2.0								
12	01	01	1	07	-2.0	0.059	-9.000	-9.000	-999.	34.	9.0	0.12	2.65	
1.00	0.55	343.		5.8	281.4	2.0								
12	01	01	1	08	-2.6	0.066	-9.000	-9.000	-999.	40.	9.7	0.12	2.65	
0.53	0.69	25.		5.8	281.4	2.0								
12	01	01	1	09	21.6	0.133	0.252	0.010	27.	116.	-9.9	0.12	2.65	
0.31	1.03	344.		5.8	282.5	2.0								
12	01	01	1	10	115.6	0.162	0.713	0.008	114.	156.	-3.3	0.12	2.65	
0.24	1.06	233.		5.8	286.4	2.0								
12	01	01	1	11	160.9	0.126	1.129	0.005	325.	108.	-1.1	0.12	2.65	
0.21	0.67	261.		5.8	291.4	2.0								
12	01	01	1	12	187.0	0.138	1.467	0.005	614.	123.	-1.3	0.12	2.65	
0.20	0.75	252.		5.8	294.9	2.0								
12	01	01	1	13	186.9	0.189	1.755	0.005	1051.	197.	-3.3	0.12	2.65	
0.20	1.23	280.		5.8	297.5	2.0								
12	01	01	1	14	168.3	0.247	1.857	0.005	1383.	295.	-8.1	0.12	2.65	
0.21	1.86	268.		5.8	299.2	2.0								
12	01	01	1	15	115.3	0.275	1.688	0.005	1517.	346.	-16.3	0.12	2.65	
0.24	2.25	248.		5.8	298.1	2.0								
12	01	01	1	16	41.5	0.262	1.211	0.005	1552.	322.	-39.2	0.12	2.65	
0.33	2.32	227.		5.8	295.9	2.0								
12	01	01	1	17	-17.9	0.217	-9.000	-9.000	-999.	244.	52.0	0.12	2.65	
0.60	2.18	227.		5.8	292.5	2.0								
12	01	01	1	18	-24.7	0.250	-9.000	-9.000	-999.	300.	68.7	0.12	2.65	

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1.00  2.50  219.  5.8  288.8  2.0
  12 01 01  1 19  -5.2  0.088 -9.000 -9.000 -999.  91.   12.0  0.12  2.65
1.00  0.94  201.  5.8  287.5  2.0
  12 01 01  1 20  -3.5  0.073 -9.000 -9.000 -999.  47.   10.0  0.12  2.65
1.00  0.77  259.  5.8  287.0  2.0
  12 01 01  1 21  -2.6  0.064 -9.000 -9.000 -999.  39.    9.1  0.12  2.65
1.00  0.65  264.  5.8  286.4  2.0
  12 01 01  1 22  -4.4  0.081 -9.000 -9.000 -999.  55.   10.9  0.12  2.65
1.00  0.86  211.  5.8  285.9  2.0
  12 01 01  1 23  -4.2  0.079 -9.000 -9.000 -999.  53.   10.7  0.12  2.65
1.00  0.84  247.  5.8  284.9  2.0
  12 01 01  1 24  -7.1  0.103 -9.000 -9.000 -999.  80.   14.1  0.12  2.65
1.00  1.09  236.  5.8  283.8  2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR  WSPD AMB_TMP sigmaA  sigmaW  sigmaV
12 01 01 01  5.8 1  62.   0.87  283.8  99.0 -99.00 -99.00

```

F indicates top of profile (=1) or below (=0)

```

^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs:  RegDFault CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S):  L0000001  , L0000002
, L0000003  , L0000004  , L0000005  ,
      L0000006  , L0000007  , L0000008  , L0000009  , L0000010
, L0000011  , L0000012  , L0000013  ,
      L0000014  , L0000015  , L0000016  , L0000017  , L0000018
, L0000019  , L0000020  , L0000021  ,
      L0000022  , L0000023  , L0000024  , L0000025  , L0000026
, L0000027  , L0000028  , . . .  ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

```

      X-COORD (M)  Y-COORD (M)  CONC  X-COORD (M)
Y-COORD (M)  CONC
-----

```

```

      406928.54  3720436.98  0.01008  407433.29

```

3720436.98	0.01034		
407938.04	3720436.98	0.01052	408442.79
3720436.98	0.01066		
408947.54	3720436.98	0.01082	409452.29
3720436.98	0.01099		
409957.04	3720436.98	0.01115	410461.79
3720436.98	0.01134		
410966.54	3720436.98	0.01162	411471.29
3720436.98	0.01196		
411976.04	3720436.98	0.01228	412480.79
3720436.98	0.01248		
412985.54	3720436.98	0.01254	413490.29
3720436.98	0.01240		
413995.04	3720436.98	0.01222	414499.79
3720436.98	0.01212		
415004.54	3720436.98	0.01075	415509.29
3720436.98	0.01053		
416014.04	3720436.98	0.01029	416518.79
3720436.98	0.01134		
417023.54	3720436.98	0.01111	406928.54
3720940.90	0.01056		
407433.29	3720940.90	0.01093	407938.04
3720940.90	0.01120		
408442.79	3720940.90	0.01139	408947.54
3720940.90	0.01156		
409452.29	3720940.90	0.01176	409957.04
3720940.90	0.01195		
410461.79	3720940.90	0.01215	410966.54
3720940.90	0.01244		
411471.29	3720940.90	0.01282	411976.04
3720940.90	0.01323		
412480.79	3720940.90	0.01346	412985.54
3720940.90	0.01227		
413490.29	3720940.90	0.01153	413995.04
3720940.90	0.01199		
414499.79	3720940.90	0.01167	415004.54
3720940.90	0.01139		
415509.29	3720940.90	0.01115	416014.04
3720940.90	0.01097		
416518.79	3720940.90	0.01076	417023.54
3720940.90	0.01186		
406928.54	3721444.82	0.01101	407433.29
3721444.82	0.01151		
407938.04	3721444.82	0.01191	408442.79
3721444.82	0.01220		
408947.54	3721444.82	0.01241	409452.29
3721444.82	0.01263		
409957.04	3721444.82	0.01287	410461.79
3721444.82	0.01311		
410966.54	3721444.82	0.01341	411471.29

3721444.82	0.01385			
	411976.04	3721444.82	0.01427	412480.79
3721444.82	0.01331			
	412985.54	3721444.82	0.01257	413490.29
3721444.82	0.01252			
	413995.04	3721444.82	0.01271	414499.79
3721444.82	0.01248			
	415004.54	3721444.82	0.01214	415509.29
3721444.82	0.01183			
	416014.04	3721444.82	0.01165	416518.79
3721444.82	0.01145			
	417023.54	3721444.82	0.01117	406928.54
3721948.74	0.01145			
	407433.29	3721948.74	0.01207	407938.04
3721948.74	0.01264			
	408442.79	3721948.74	0.01309	408947.54
3721948.74	0.01339			
	409452.29	3721948.74	0.01365	409957.04
3721948.74	0.01393			
	410461.79	3721948.74	0.01424	410966.54
3721948.74	0.01454			
	411471.29	3721948.74	0.01498	411976.04
3721948.74	0.01551			
	412480.79	3721948.74	0.01376	412985.54
3721948.74	0.01357			
	413490.29	3721948.74	0.01351	413995.04
3721948.74	0.01368			
	414499.79	3721948.74	0.01354	415004.54
3721948.74	0.01304			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
415509.29	3721948.74	0.01272	416014.04
3721948.74	0.01250		
416518.79	3721948.74	0.01225	417023.54
3721948.74	0.01194		
406928.54	3722452.66	0.01191	407433.29
3722452.66	0.01263		
407938.04	3722452.66	0.01336	408442.79
3722452.66	0.01401		
408947.54	3722452.66	0.01450	409452.29
3722452.66	0.01485		
409957.04	3722452.66	0.01521	410461.79
3722452.66	0.01553		
411471.29	3722452.66	0.01637	411976.04
3722452.66	0.01695		
412480.79	3722452.66	0.01502	412985.54
3722452.66	0.01487		
413490.29	3722452.66	0.01483	413995.04
3722452.66	0.01501		
414499.79	3722452.66	0.01457	415004.54
3722452.66	0.01405		
415509.29	3722452.66	0.01369	416014.04
3722452.66	0.01349		
416518.79	3722452.66	0.01323	417023.54
3722452.66	0.01297		
406928.54	3722956.58	0.01242	407433.29
3722956.58	0.01321		
407938.04	3722956.58	0.01409	408442.79
3722956.58	0.01496		
408947.54	3722956.58	0.01575	409452.29
3722956.58	0.01625		
409957.04	3722956.58	0.01668	410461.79
3722956.58	0.01709		
410966.54	3722956.58	0.01751	411976.04
3722956.58	0.01874		
412480.79	3722956.58	0.01674	412985.54
3722956.58	0.01641		
413490.29	3722956.58	0.01634	413995.04
3722956.58	0.01641		
414499.79	3722956.58	0.01598	415004.54
3722956.58	0.01536		
415509.29	3722956.58	0.01497	416014.04
3722956.58	0.01469		

416518.79	3722956.58	0.01443	417023.54
3722956.58	0.01454		
406928.54	3723460.50	0.01297	407433.29
3723460.50	0.01384		
407938.04	3723460.50	0.01483	408442.79
3723460.50	0.01593		
408947.54	3723460.50	0.01697	409452.29
3723460.50	0.01786		
409957.04	3723460.50	0.01845	410461.79
3723460.50	0.01897		
410966.54	3723460.50	0.01952	411471.29
3723460.50	0.02012		
411976.04	3723460.50	0.02092	412480.79
3723460.50	0.02170		
412985.54	3723460.50	0.01848	413490.29
3723460.50	0.01837		
413995.04	3723460.50	0.01830	414499.79
3723460.50	0.01769		
415004.54	3723460.50	0.01696	415509.29
3723460.50	0.01648		
416014.04	3723460.50	0.01612	416518.79
3723460.50	0.01600		
417023.54	3723460.50	0.01597	406928.54
3723964.42	0.01355		
407433.29	3723964.42	0.01453	407938.04
3723964.42	0.01567		
408442.79	3723964.42	0.01688	408947.54
3723964.42	0.01825		
409452.29	3723964.42	0.01954	409957.04
3723964.42	0.02056		
410461.79	3723964.42	0.02131	410966.54
3723964.42	0.02202		
411471.29	3723964.42	0.02275	411976.04
3723964.42	0.02359		
412480.79	3723964.42	0.02083	412985.54
3723964.42	0.02093		
413490.29	3723964.42	0.02098	413995.04
3723964.42	0.02065		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCP1 ***
INCLUDING SOURCE(S): L000001 , L000002
, L000003 , L000004 , L000005 ,


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, L0000011      L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000012      L0000012      , L0000013      ,
, L0000014      L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      L0000020      , L0000021      ,
, L0000022      L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3723964.42	414499.79	3723964.42	0.01965	415004.54
3723964.42	415509.29	3723964.42	0.01837	416014.04
3723964.42	416518.79	3723964.42	0.01784	417023.54
3723964.42	406928.54	3724468.34	0.01414	407433.29
3724468.34	407938.04	3724468.34	0.01654	408442.79
3724468.34	408947.54	3724468.34	0.01957	409452.29
3724468.34	409957.04	3724468.34	0.02299	410461.79
3724468.34	410966.54	3724468.34	0.02521	411471.29
3724468.34	411976.04	3724468.34	0.02729	412480.79
3724468.34	412985.54	3724468.34	0.02432	413490.29
3724468.34	413995.04	3724468.34	0.02351	414499.79
3724468.34	415004.54	3724468.34	0.02148	415509.29
3724468.34	416014.04	3724468.34	0.02058	416518.79
3724972.26	417023.54	3724468.34	0.01891	406928.54
3724972.26	407433.29	3724972.26	0.01600	407938.04
3724972.26	408442.79	3724972.26	0.01914	408947.54
3724972.26	409452.29	3724972.26	0.02327	409957.04

3724972.26	0.02565			
410461.79	3724972.26	0.02783		410966.54
3724972.26	0.02943			
411471.29	3724972.26	0.03082		411976.04
3724972.26	0.03237			
412480.79	3724972.26	0.03389		412985.54
3724972.26	0.02875			
413490.29	3724972.26	0.02900		413995.04
3724972.26	0.02722			
414499.79	3724972.26	0.02571		415004.54
3724972.26	0.02500			
415509.29	3724972.26	0.02443		416014.04
3724972.26	0.02351			
416518.79	3724972.26	0.02198		417023.54
3724972.26	0.02006			
406928.54	3725476.18	0.01536		407433.29
3725476.18	0.01671			
407938.04	3725476.18	0.01838		408442.79
3725476.18	0.02033			
408947.54	3725476.18	0.02266		409452.29
3725476.18	0.02541			
409957.04	3725476.18	0.02860		410461.79
3725476.18	0.03202			
410966.54	3725476.18	0.03502		411471.29
3725476.18	0.03728			
411976.04	3725476.18	0.03941		412480.79
3725476.18	0.04174			
412985.54	3725476.18	0.04287		413490.29
3725476.18	0.03536			
413995.04	3725476.18	0.03256		414499.79
3725476.18	0.03078			
415004.54	3725476.18	0.03010		415509.29
3725476.18	0.02870			
416014.04	3725476.18	0.02633		416518.79
3725476.18	0.02362			
417023.54	3725476.18	0.02314		406928.54
3725980.10	0.01437			
407433.29	3725980.10	0.01732		407938.04
3725980.10	0.01921			
408442.79	3725980.10	0.02147		408947.54
3725980.10	0.02423			
409452.29	3725980.10	0.02767		409957.04
3725980.10	0.03191			
410461.79	3725980.10	0.03695		410966.54
3725980.10	0.04235			
411471.29	3725980.10	0.04688		411976.04
3725980.10	0.05050			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412480.79	3725980.10	0.05419	412985.54
3725980.10	0.05598		
413490.29	3725980.10	0.04491	413995.04
3725980.10	0.04081		
414499.79	3725980.10	0.03905	415004.54
3725980.10	0.03682		
415509.29	3725980.10	0.03290	416014.04
3725980.10	0.02857		
416518.79	3725980.10	0.02513	417023.54
3725980.10	0.02216		
406928.54	3726484.02	0.01496	407433.29
3726484.02	0.01773		
407938.04	3726484.02	0.01980	408442.79
3726484.02	0.02198		
408947.54	3726484.02	0.02556	409452.29
3726484.02	0.02973		
409957.04	3726484.02	0.03523	410461.79
3726484.02	0.04249		
410966.54	3726484.02	0.05167	411471.29
3726484.02	0.06153		
411976.04	3726484.02	0.06958	412480.79
3726484.02	0.07643		
412985.54	3726484.02	0.08027	413490.29
3726484.02	0.06104		

413995.04	3726484.02	0.05544	414499.79
3726484.02	0.05170		
415004.54	3726484.02	0.04383	415509.29
3726484.02	0.03631		
416014.04	3726484.02	0.03118	416518.79
3726484.02	0.02769		
417023.54	3726484.02	0.02674	406928.54
3726987.94	0.01457		
407433.29	3726987.94	0.01650	407938.04
3726987.94	0.01862		
408442.79	3726987.94	0.02075	408947.54
3726987.94	0.02657		
409452.29	3726987.94	0.03132	409957.04
3726987.94	0.03789		
410461.79	3726987.94	0.04757	410966.54
3726987.94	0.06213		
411471.29	3726987.94	0.08311	411976.04
3726987.94	0.10755		
412480.79	3726987.94	0.12803	412985.54
3726987.94	0.13645		
413490.29	3726987.94	0.09749	413995.04
3726987.94	0.08330		
414499.79	3726987.94	0.06559	415004.54
3726987.94	0.05082		
415509.29	3726987.94	0.04226	416014.04
3726987.94	0.03666		
416518.79	3726987.94	0.03459	417023.54
3726987.94	0.03091		
406928.54	3727491.86	0.01434	407433.29
3727491.86	0.01635		
407938.04	3727491.86	0.01883	408442.79
3727491.86	0.02096		
408947.54	3727491.86	0.02424	409452.29
3727491.86	0.03247		
409957.04	3727491.86	0.03973	410461.79
3727491.86	0.05092		
410966.54	3727491.86	0.07013	411471.29
3727491.86	0.10658		
411976.04	3727491.86	0.18270	412480.79
3727491.86	0.31704		
412985.54	3727491.86	0.37778	413490.29
3727491.86	0.20561		
413995.04	3727491.86	0.13500	414499.79
3727491.86	0.09553		
415004.54	3727491.86	0.07289	415509.29
3727491.86	0.05915		
416014.04	3727491.86	0.04984	416518.79
3727491.86	0.04291		
417023.54	3727491.86	0.03757	406928.54
3727995.78	0.01476		

3728499.70	0.01815		
408442.79	3728499.70	0.02037	408947.54
3728499.70	0.02707		
409452.29	3728499.70	0.03220	409957.04
3728499.70	0.03958		
410461.79	3728499.70	0.05115	410966.54
3728499.70	0.07156		
411471.29	3728499.70	0.11469	411976.04
3728499.70	0.24577		
412480.79	3728499.70	1.20452	413490.29
3728499.70	2.30937		
413995.04	3728499.70	0.66290	414499.79
3728499.70	0.30291		
415004.54	3728499.70	0.17654	415509.29
3728499.70	0.11905		
416014.04	3728499.70	0.08787	416518.79
3728499.70	0.06867		
417023.54	3728499.70	0.05606	406928.54
3729003.62	0.01461		
407433.29	3729003.62	0.01578	407938.04
3729003.62	0.01759		
408442.79	3729003.62	0.01990	408947.54
3729003.62	0.02310		
409452.29	3729003.62	0.03106	409957.04
3729003.62	0.03778		
410461.79	3729003.62	0.04788	410966.54
3729003.62	0.06474		
411471.29	3729003.62	0.09683	411976.04
3729003.62	0.17294		
412480.79	3729003.62	0.39893	412985.54
3729003.62	2.22918		
413490.29	3729003.62	2.11483	413995.04
3729003.62	0.89425		
414499.79	3729003.62	0.44341	415004.54
3729003.62	0.25573		
415509.29	3729003.62	0.16548	416014.04
3729003.62	0.11650		
416518.79	3729003.62	0.08736	417023.54
3729003.62	0.06880		
406928.54	3729507.54	0.01582	407433.29
3729507.54	0.01581		
407938.04	3729507.54	0.01789	408442.79
3729507.54	0.02185		
408947.54	3729507.54	0.02527	409452.29
3729507.54	0.02966		
409957.04	3729507.54	0.03535	410461.79
3729507.54	0.04351		
410966.54	3729507.54	0.05620	411471.29
3729507.54	0.07742		
411976.04	3729507.54	0.11236	412480.79

3729507.54	0.16659			
412985.54	3729507.54	0.41006		413490.29
3729507.54	0.91788			
413995.04	3729507.54	0.69926		414499.79
3729507.54	0.44617			
415004.54	3729507.54	0.29207		415509.29
3729507.54	0.20099			
416014.04	3729507.54	0.14469		416518.79
3729507.54	0.10942			
417023.54	3729507.54	0.08452		406928.54
3730011.46	0.01555			
407433.29	3730011.46	0.01724		407938.04
3730011.46	0.01911			
408442.79	3730011.46	0.02138		408947.54
3730011.46	0.02417			

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***                               ***    05/26/20
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***                               ***    16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
409452.29	3730011.46	0.02772	409957.04
3730011.46	0.03245		
410461.79	3730011.46	0.03911	410966.54
3730011.46	0.04857		
411471.29	3730011.46	0.06101	411976.04
3730011.46	0.07649		

	412480.79	3730011.46	0.09853	412985.54
3730011.46	0.17217			
	413490.29	3730011.46	0.39127	413995.04
3730011.46	0.45788			
	414499.79	3730011.46	0.36459	415004.54
3730011.46	0.27298			
	415509.29	3730011.46	0.20549	416014.04
3730011.46	0.15781			
	416518.79	3730011.46	0.12354	417023.54
3730011.46	0.09852			
	406928.54	3730515.38	0.01520	407433.29
3730515.38	0.01659			
	407938.04	3730515.38	0.01822	408442.79
3730515.38	0.02027			
	408947.54	3730515.38	0.02268	409452.29
3730515.38	0.02581			
	409957.04	3730515.38	0.02990	410461.79
3730515.38	0.03519			
	410966.54	3730515.38	0.04141	411471.29
3730515.38	0.04830			
	411976.04	3730515.38	0.05620	412480.79
3730515.38	0.06851			
	412985.54	3730515.38	0.10025	413490.29
3730515.38	0.19473			
	413995.04	3730515.38	0.28901	414499.79
3730515.38	0.28297			
	415004.54	3730515.38	0.23816	415509.29
3730515.38	0.19048			
	416014.04	3730515.38	0.15577	416518.79
3730515.38	0.12687			
	417023.54	3730515.38	0.10569	410498.80
3722355.26	0.01528			
	410518.80	3722355.26	0.01529	410538.80
3722355.26	0.01531			
	410558.80	3722355.26	0.01532	410578.80
3722355.26	0.01533			
	410598.80	3722355.26	0.01535	410618.80
3722355.26	0.01536			
	410638.80	3722355.26	0.01537	410658.80
3722355.26	0.01540			
	410678.80	3722355.26	0.01542	410698.80
3722355.26	0.01543			
	410718.80	3722355.26	0.01544	410738.80
3722355.26	0.01545			
	410498.80	3722375.26	0.01534	410518.80
3722375.26	0.01535			
	410538.80	3722375.26	0.01536	410558.80
3722375.26	0.01538			
	410578.80	3722375.26	0.01540	410598.80
3722375.26	0.01540			

410618.80	3722375.26	0.01541	410638.80
3722375.26	0.01544		
410658.80	3722375.26	0.01546	410678.80
3722375.26	0.01547		
410698.80	3722375.26	0.01548	410718.80
3722375.26	0.01550		
410738.80	3722375.26	0.01551	410758.80
3722375.26	0.01551		
410498.80	3722395.26	0.01539	410518.80
3722395.26	0.01540		
410538.80	3722395.26	0.01542	410558.80
3722395.26	0.01544		
410578.80	3722395.26	0.01544	410598.80
3722395.26	0.01546		
410618.80	3722395.26	0.01548	410638.80
3722395.26	0.01551		
410658.80	3722395.26	0.01552	410678.80
3722395.26	0.01552		
410698.80	3722395.26	0.01554	410718.80
3722395.26	0.01555		
410738.80	3722395.26	0.01557	410758.80
3722395.26	0.01558		
410778.80	3722395.26	0.01558	410498.80
3722415.26	0.01545		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
-------------	-------------	------	-------------

Y-COORD (M)	CONC			
410518.80	3722415.26	0.01546		410538.80
3722415.26	0.01548			
410558.80	3722415.26	0.01549		410578.80
3722415.26	0.01550			
410598.80	3722415.26	0.01553		410618.80
3722415.26	0.01555			
410638.80	3722415.26	0.01556		410658.80
3722415.26	0.01557			
410678.80	3722415.26	0.01559		410698.80
3722415.26	0.01560			
410718.80	3722415.26	0.01561		410738.80
3722415.26	0.01562			
410758.80	3722415.26	0.01564		410778.80
3722415.26	0.01564			
410798.80	3722415.26	0.01565		410498.80
3722435.26	0.01550			
410518.80	3722435.26	0.01552		410538.80
3722435.26	0.01554			
410558.80	3722435.26	0.01554		410578.80
3722435.26	0.01556			
410598.80	3722435.26	0.01559		410618.80
3722435.26	0.01561			
410638.80	3722435.26	0.01561		410658.80
3722435.26	0.01563			
410678.80	3722435.26	0.01565		410698.80
3722435.26	0.01566			
410718.80	3722435.26	0.01567		410738.80
3722435.26	0.01568			
410758.80	3722435.26	0.01570		410778.80
3722435.26	0.01571			
410798.80	3722435.26	0.01571		410818.80
3722435.26	0.01572			
410498.80	3722455.26	0.01556		410518.80
3722455.26	0.01558			
410538.80	3722455.26	0.01559		410558.80
3722455.26	0.01560			
410578.80	3722455.26	0.01564		410598.80
3722455.26	0.01565			
410618.80	3722455.26	0.01566		410638.80
3722455.26	0.01567			
410658.80	3722455.26	0.01569		410678.80
3722455.26	0.01570			
410698.80	3722455.26	0.01571		410718.80
3722455.26	0.01572			
410738.80	3722455.26	0.01573		410758.80
3722455.26	0.01575			
410778.80	3722455.26	0.01576		410798.80

3722455.26	0.01576			
410818.80	3722455.26	0.01578		410838.80
3722455.26	0.01580			
410498.80	3722475.26	0.01562		410518.80
3722475.26	0.01563			
410538.80	3722475.26	0.01564		410558.80
3722475.26	0.01568			
410578.80	3722475.26	0.01569		410598.80
3722475.26	0.01570			
410618.80	3722475.26	0.01571		410638.80
3722475.26	0.01573			
410658.80	3722475.26	0.01575		410678.80
3722475.26	0.01576			
410698.80	3722475.26	0.01577		410718.80
3722475.26	0.01578			
410738.80	3722475.26	0.01579		410758.80
3722475.26	0.01581			
410778.80	3722475.26	0.01581		410798.80
3722475.26	0.01582			
410818.80	3722475.26	0.01584		410838.80
3722475.26	0.01585			
410498.80	3722495.26	0.01568		410518.80
3722495.26	0.01569			
410538.80	3722495.26	0.01572		410558.80
3722495.26	0.01574			
410578.80	3722495.26	0.01575		410598.80
3722495.26	0.01576			
410618.80	3722495.26	0.01578		410638.80
3722495.26	0.01579			
410658.80	3722495.26	0.01580		410678.80
3722495.26	0.01582			
410698.80	3722495.26	0.01583		410718.80
3722495.26	0.01584			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

 *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026

, L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410738.80	3722495.26	0.01585	410758.80
3722495.26	0.01587		
410778.80	3722495.26	0.01587	410798.80
3722495.26	0.01589		
410818.80	3722495.26	0.01590	410838.80
3722495.26	0.01591		
410858.80	3722495.26	0.01593	410498.80
3722515.26	0.01573		
410518.80	3722515.26	0.01575	410538.80
3722515.26	0.01578		
410558.80	3722515.26	0.01580	410578.80
3722515.26	0.01580		
410598.80	3722515.26	0.01582	410618.80
3722515.26	0.01584		
410638.80	3722515.26	0.01585	410658.80
3722515.26	0.01586		
410678.80	3722515.26	0.01588	410698.80
3722515.26	0.01589		
410718.80	3722515.26	0.01589	410738.80
3722515.26	0.01591		
410758.80	3722515.26	0.01592	410778.80
3722515.26	0.01592		
410798.80	3722515.26	0.01595	410818.80
3722515.26	0.01596		
410838.80	3722515.26	0.01598	410858.80
3722515.26	0.01599		
410878.80	3722515.26	0.01600	410498.80
3722535.26	0.01579		
410518.80	3722535.26	0.01583	410538.80
3722535.26	0.01584		
410558.80	3722535.26	0.01585	410578.80
3722535.26	0.01586		
410598.80	3722535.26	0.01588	410618.80
3722535.26	0.01590		
410638.80	3722535.26	0.01591	410658.80
3722535.26	0.01592		
410678.80	3722535.26	0.01594	410698.80
3722535.26	0.01594		

410718.80	3722535.26	0.01595	410738.80
3722535.26	0.01597		
410758.80	3722535.26	0.01598	410778.80
3722535.26	0.01598		
410798.80	3722535.26	0.01601	410818.80
3722535.26	0.01602		
410838.80	3722535.26	0.01604	410858.80
3722535.26	0.01605		
410878.80	3722535.26	0.01606	410898.80
3722535.26	0.01608		
410498.80	3722555.26	0.01587	410518.80
3722555.26	0.01588		
410538.80	3722555.26	0.01590	410558.80
3722555.26	0.01591		
410578.80	3722555.26	0.01592	410598.80
3722555.26	0.01594		
410618.80	3722555.26	0.01595	410638.80
3722555.26	0.01596		
410658.80	3722555.26	0.01598	410678.80
3722555.26	0.01599		
410698.80	3722555.26	0.01600	410718.80
3722555.26	0.01601		
410738.80	3722555.26	0.01603	410758.80
3722555.26	0.01604		
410778.80	3722555.26	0.01604	410798.80
3722555.26	0.01607		
410818.80	3722555.26	0.01608	410838.80
3722555.26	0.01609		
410858.80	3722555.26	0.01611	410878.80
3722555.26	0.01612		
410898.80	3722555.26	0.01614	410918.80
3722555.26	0.01615		
410498.80	3722575.26	0.01593	410518.80
3722575.26	0.01594		
410538.80	3722575.26	0.01595	410558.80
3722575.26	0.01596		
410578.80	3722575.26	0.01598	410598.80
3722575.26	0.01599		
410618.80	3722575.26	0.01600	410638.80
3722575.26	0.01602		
410658.80	3722575.26	0.01603	410678.80
3722575.26	0.01604		

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*** AERMET - VERSION 16216 ***   ***
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410698.80	3722575.26	0.01606	410718.80
3722575.26	0.01607		
410738.80	3722575.26	0.01608	410758.80
3722575.26	0.01609		
410778.80	3722575.26	0.01611	410798.80
3722575.26	0.01613		
410818.80	3722575.26	0.01614	410838.80
3722575.26	0.01615		
410858.80	3722575.26	0.01616	410878.80
3722575.26	0.01618		
410898.80	3722575.26	0.01620	410918.80
3722575.26	0.01622		
410938.80	3722575.26	0.01623	410498.80
3722595.26	0.01599		
410518.80	3722595.26	0.01600	410538.80
3722595.26	0.01602		
410558.80	3722595.26	0.01603	410578.80
3722595.26	0.01604		
410598.80	3722595.26	0.01605	410618.80
3722595.26	0.01607		
410638.80	3722595.26	0.01608	410658.80
3722595.26	0.01610		
410678.80	3722595.26	0.01611	410698.80
3722595.26	0.01612		
410718.80	3722595.26	0.01614	410738.80
3722595.26	0.01615		
410758.80	3722595.26	0.01616	410778.80
3722595.26	0.01617		
410798.80	3722595.26	0.01619	410818.80

3722595.26	0.01620			
410838.80	3722595.26	0.01621		410858.80
3722595.26	0.01623			
410878.80	3722595.26	0.01625		410898.80
3722595.26	0.01626			
410918.80	3722595.26	0.01628		410938.80
3722595.26	0.01629			
410498.80	3722615.26	0.01605		410518.80
3722615.26	0.01606			
410538.80	3722615.26	0.01608		410558.80
3722615.26	0.01609			
410578.80	3722615.26	0.01610		410598.80
3722615.26	0.01612			
410618.80	3722615.26	0.01613		410638.80
3722615.26	0.01614			
410658.80	3722615.26	0.01616		410678.80
3722615.26	0.01617			
410698.80	3722615.26	0.01619		410718.80
3722615.26	0.01620			
410738.80	3722615.26	0.01621		410758.80
3722615.26	0.01623			
410778.80	3722615.26	0.01623		410798.80
3722615.26	0.01625			
410818.80	3722615.26	0.01626		410838.80
3722615.26	0.01627			
410858.80	3722615.26	0.01629		410878.80
3722615.26	0.01630			
410898.80	3722615.26	0.01632		410918.80
3722615.26	0.01633			
410938.80	3722615.26	0.01635		410958.80
3722615.26	0.01637			
410498.80	3722635.26	0.01610		410518.80
3722635.26	0.01611			
410538.80	3722635.26	0.01613		410558.80
3722635.26	0.01614			
410578.80	3722635.26	0.01616		410598.80
3722635.26	0.01617			
410618.80	3722635.26	0.01619		410638.80
3722635.26	0.01620			
410658.80	3722635.26	0.01622		410678.80
3722635.26	0.01623			
410698.80	3722635.26	0.01624		410718.80
3722635.26	0.01626			
410738.80	3722635.26	0.01627		410758.80
3722635.26	0.01629			
410778.80	3722635.26	0.01630		410798.80
3722635.26	0.01631			
410818.80	3722635.26	0.01632		410838.80
3722635.26	0.01633			
410858.80	3722635.26	0.01635		410878.80

3722635.26 0.01637

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410898.80	3722635.26	0.01638	410918.80
3722635.26	0.01640		
410938.80	3722635.26	0.01641	410958.80
3722635.26	0.01643		
410978.80	3722635.26	0.01645	410498.80
3722655.26	0.01615		
410518.80	3722655.26	0.01617	410538.80
3722655.26	0.01618		
410558.80	3722655.26	0.01620	410578.80
3722655.26	0.01621		
410598.80	3722655.26	0.01623	410618.80
3722655.26	0.01624		
410638.80	3722655.26	0.01626	410658.80
3722655.26	0.01627		
410678.80	3722655.26	0.01629	410698.80
3722655.26	0.01630		
410718.80	3722655.26	0.01632	410738.80
3722655.26	0.01633		
410758.80	3722655.26	0.01634	410778.80
3722655.26	0.01636		

410798.80	3722655.26	0.01637	410818.80
3722655.26	0.01638		
410838.80	3722655.26	0.01640	410858.80
3722655.26	0.01642		
410878.80	3722655.26	0.01643	410898.80
3722655.26	0.01645		
410918.80	3722655.26	0.01647	410938.80
3722655.26	0.01648		
410958.80	3722655.26	0.01650	410978.80
3722655.26	0.01651		
410998.80	3722655.26	0.01653	410498.80
3722675.26	0.01621		
410518.80	3722675.26	0.01623	410538.80
3722675.26	0.01625		
410558.80	3722675.26	0.01626	410578.80
3722675.26	0.01628		
410598.80	3722675.26	0.01630	410618.80
3722675.26	0.01631		
410638.80	3722675.26	0.01632	410658.80
3722675.26	0.01634		
410678.80	3722675.26	0.01635	410698.80
3722675.26	0.01637		
410718.80	3722675.26	0.01638	410738.80
3722675.26	0.01640		
410758.80	3722675.26	0.01641	410778.80
3722675.26	0.01642		
410798.80	3722675.26	0.01643	410818.80
3722675.26	0.01644		
410838.80	3722675.26	0.01646	410858.80
3722675.26	0.01648		
410878.80	3722675.26	0.01650	410898.80
3722675.26	0.01651		
410918.80	3722675.26	0.01653	410938.80
3722675.26	0.01655		
410958.80	3722675.26	0.01656	410978.80
3722675.26	0.01658		
410998.80	3722675.26	0.01659	411018.80
3722675.26	0.01661		
410498.80	3722695.26	0.01628	410518.80
3722695.26	0.01630		
410538.80	3722695.26	0.01631	410558.80
3722695.26	0.01633		
410578.80	3722695.26	0.01634	410598.80
3722695.26	0.01636		
410618.80	3722695.26	0.01637	410638.80
3722695.26	0.01638		
410658.80	3722695.26	0.01640	410678.80
3722695.26	0.01642		
410698.80	3722695.26	0.01643	410718.80
3722695.26	0.01645		

410738.80	3722695.26	0.01646	410758.80
3722695.26	0.01648		
410778.80	3722695.26	0.01649	410798.80
3722695.26	0.01650		
410818.80	3722695.26	0.01651	410838.80
3722695.26	0.01652		
410858.80	3722695.26	0.01654	410878.80
3722695.26	0.01656		
410898.80	3722695.26	0.01657	410918.80
3722695.26	0.01659		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410938.80	3722695.26	0.01661	410958.80
3722695.26	0.01662		
410978.80	3722695.26	0.01663	410998.80
3722695.26	0.01665		
411018.80	3722695.26	0.01668	411038.80
3722695.26	0.01669		
410498.80	3722715.26	0.01634	410518.80
3722715.26	0.01636		
410538.80	3722715.26	0.01637	410558.80
3722715.26	0.01639		
410578.80	3722715.26	0.01641	410598.80

3722715.26	0.01642		
410618.80	3722715.26	0.01644	410638.80
3722715.26	0.01644		
410658.80	3722715.26	0.01647	410678.80
3722715.26	0.01648		
410698.80	3722715.26	0.01650	410718.80
3722715.26	0.01651		
410738.80	3722715.26	0.01652	410758.80
3722715.26	0.01654		
410778.80	3722715.26	0.01655	410798.80
3722715.26	0.01656		
410818.80	3722715.26	0.01657	410838.80
3722715.26	0.01659		
410858.80	3722715.26	0.01661	410878.80
3722715.26	0.01662		
410898.80	3722715.26	0.01663	410918.80
3722715.26	0.01665		
410938.80	3722715.26	0.01667	410958.80
3722715.26	0.01669		
410978.80	3722715.26	0.01670	410998.80
3722715.26	0.01672		
411018.80	3722715.26	0.01674	411038.80
3722715.26	0.01676		
410498.80	3722735.26	0.01640	410518.80
3722735.26	0.01641		
410538.80	3722735.26	0.01643	410558.80
3722735.26	0.01645		
410578.80	3722735.26	0.01647	410598.80
3722735.26	0.01648		
410618.80	3722735.26	0.01650	410638.80
3722735.26	0.01651		
410658.80	3722735.26	0.01652	410678.80
3722735.26	0.01654		
410698.80	3722735.26	0.01655	410718.80
3722735.26	0.01657		
410738.80	3722735.26	0.01658	410758.80
3722735.26	0.01660		
410778.80	3722735.26	0.01661	410798.80
3722735.26	0.01662		
410818.80	3722735.26	0.01663	410838.80
3722735.26	0.01665		
410858.80	3722735.26	0.01667	410878.80
3722735.26	0.01669		
410898.80	3722735.26	0.01670	410918.80
3722735.26	0.01671		
410938.80	3722735.26	0.01673	410958.80
3722735.26	0.01674		
410978.80	3722735.26	0.01676	410998.80
3722735.26	0.01678		
411018.80	3722735.26	0.01680	411038.80

3722735.26	0.01682			
411058.80	3722735.26	0.01684		410498.80
3722755.26	0.01647			
410518.80	3722755.26	0.01648		410538.80
3722755.26	0.01650			
410558.80	3722755.26	0.01651		410578.80
3722755.26	0.01653			
410598.80	3722755.26	0.01655		410618.80
3722755.26	0.01656			
410638.80	3722755.26	0.01657		410658.80
3722755.26	0.01659			
410678.80	3722755.26	0.01661		410698.80
3722755.26	0.01662			
410718.80	3722755.26	0.01664		410738.80
3722755.26	0.01665			
410758.80	3722755.26	0.01667		410778.80
3722755.26	0.01668			
410798.80	3722755.26	0.01669		410818.80
3722755.26	0.01670			

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC

05/26/20
*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410838.80	3722755.26	0.01672	410858.80
3722755.26	0.01674		

410878.80	3722755.26	0.01675	410898.80
3722755.26	0.01677		
410918.80	3722755.26	0.01678	410938.80
3722755.26	0.01679		
410958.80	3722755.26	0.01681	410978.80
3722755.26	0.01683		
410998.80	3722755.26	0.01685	411018.80
3722755.26	0.01687		
411038.80	3722755.26	0.01689	411058.80
3722755.26	0.01691		
411078.80	3722755.26	0.01693	410498.80
3722775.26	0.01653		
410518.80	3722775.26	0.01655	410538.80
3722775.26	0.01656		
410558.80	3722775.26	0.01658	410578.80
3722775.26	0.01660		
410598.80	3722775.26	0.01661	410618.80
3722775.26	0.01663		
410638.80	3722775.26	0.01663	410658.80
3722775.26	0.01666		
410678.80	3722775.26	0.01667	410698.80
3722775.26	0.01669		
410718.80	3722775.26	0.01670	410738.80
3722775.26	0.01672		
410758.80	3722775.26	0.01673	410778.80
3722775.26	0.01675		
410798.80	3722775.26	0.01675	410818.80
3722775.26	0.01676		
410838.80	3722775.26	0.01678	410858.80
3722775.26	0.01680		
410878.80	3722775.26	0.01682	410898.80
3722775.26	0.01683		
410918.80	3722775.26	0.01685	410938.80
3722775.26	0.01686		
410958.80	3722775.26	0.01688	410978.80
3722775.26	0.01690		
410998.80	3722775.26	0.01691	411018.80
3722775.26	0.01693		
411038.80	3722775.26	0.01695	411058.80
3722775.26	0.01697		
411078.80	3722775.26	0.01699	411098.80
3722775.26	0.01701		
410498.80	3722795.26	0.01659	410518.80
3722795.26	0.01661		
410538.80	3722795.26	0.01663	410558.80
3722795.26	0.01664		
410578.80	3722795.26	0.01666	410598.80
3722795.26	0.01668		
410618.80	3722795.26	0.01669	410638.80
3722795.26	0.01670		

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3722815.26	410578.80	3722815.26	0.01672	410598.80
3722815.26	410618.80	3722815.26	0.01676	410638.80
3722815.26	410658.80	3722815.26	0.01678	410678.80
3722815.26	410698.80	3722815.26	0.01681	410718.80
3722815.26	410738.80	3722815.26	0.01684	410758.80
3722815.26	410778.80	3722815.26	0.01688	410798.80
3722815.26	410818.80	3722815.26	0.01690	410838.80
3722815.26	410858.80	3722815.26	0.01693	410878.80
3722815.26	410898.80	3722815.26	0.01696	410918.80
3722815.26	410938.80	3722815.26	0.01700	410958.80
3722815.26	410978.80	3722815.26	0.01704	410998.80
3722815.26	411018.80	3722815.26	0.01707	411038.80
3722815.26	411058.80	3722815.26	0.01710	411078.80
3722815.26	411098.80	3722815.26	0.01714	411118.80
3722815.26	411138.80	3722815.26	0.01719	410498.80
3722835.26	410518.80	3722835.26	0.01674	410538.80
3722835.26	410558.80	3722835.26	0.01677	410578.80
3722835.26	410598.80	3722835.26	0.01681	410618.80
3722835.26	410638.80	3722835.26	0.01683	410658.80
3722835.26	410678.80	3722835.26	0.01687	410698.80
3722835.26	410718.80	3722835.26	0.01690	410738.80
3722835.26	410758.80	3722835.26	0.01693	410778.80

3722835.26	0.01694			
410798.80	3722835.26	0.01695		410818.80
3722835.26	0.01696			
410838.80	3722835.26	0.01698		410858.80
3722835.26	0.01700			
410878.80	3722835.26	0.01702		410898.80
3722835.26	0.01703			
410918.80	3722835.26	0.01705		410938.80
3722835.26	0.01707			
410958.80	3722835.26	0.01709		410978.80
3722835.26	0.01710			
410998.80	3722835.26	0.01712		411018.80
3722835.26	0.01714			
411038.80	3722835.26	0.01716		411058.80
3722835.26	0.01717			
411078.80	3722835.26	0.01719		411098.80
3722835.26	0.01721			
411118.80	3722835.26	0.01723		411138.80
3722835.26	0.01725			
410498.80	3722855.26	0.01679		410518.80
3722855.26	0.01681			
410538.80	3722855.26	0.01682		410558.80
3722855.26	0.01684			
410578.80	3722855.26	0.01685		410598.80
3722855.26	0.01687			
410618.80	3722855.26	0.01689		410638.80
3722855.26	0.01689			
410658.80	3722855.26	0.01692		410678.80
3722855.26	0.01694			
410698.80	3722855.26	0.01695		410718.80
3722855.26	0.01697			
410738.80	3722855.26	0.01698		410758.80
3722855.26	0.01700			
410778.80	3722855.26	0.01701		410798.80
3722855.26	0.01702			
410818.80	3722855.26	0.01703		410838.80
3722855.26	0.01705			

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S):      L0000001      , L0000002
, L0000003      , L0000004      , L0000005      ,
      L0000006      , L0000007      , L0000008      , L0000009      , L0000010

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, L0000011      , L0000012      , L0000013      ,
                  L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
                  L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410858.80	3722855.26	0.01707	410878.80
3722855.26	0.01708		
410898.80	3722855.26	0.01710	410918.80
3722855.26	0.01712		
410938.80	3722855.26	0.01714	410958.80
3722855.26	0.01715		
410978.80	3722855.26	0.01717	410998.80
3722855.26	0.01719		
411018.80	3722855.26	0.01721	411038.80
3722855.26	0.01723		
411058.80	3722855.26	0.01724	411078.80
3722855.26	0.01726		
411098.80	3722855.26	0.01728	411118.80
3722855.26	0.01730		
411138.80	3722855.26	0.01732	411158.80
3722855.26	0.01734		
410498.80	3722875.26	0.01685	410518.80
3722875.26	0.01687		
410538.80	3722875.26	0.01688	410558.80
3722875.26	0.01690		
410578.80	3722875.26	0.01692	410598.80
3722875.26	0.01693		
410618.80	3722875.26	0.01695	410638.80
3722875.26	0.01696		
410658.80	3722875.26	0.01698	410678.80
3722875.26	0.01700		
410698.80	3722875.26	0.01702	410718.80
3722875.26	0.01703		
410738.80	3722875.26	0.01705	410758.80
3722875.26	0.01706		
410778.80	3722875.26	0.01708	410798.80
3722875.26	0.01709		
410818.80	3722875.26	0.01710	410838.80
3722875.26	0.01712		

410858.80	3722875.26	0.01713	410878.80
3722875.26	0.01715		
410898.80	3722875.26	0.01717	410918.80
3722875.26	0.01719		
410938.80	3722875.26	0.01721	410958.80
3722875.26	0.01722		
410978.80	3722875.26	0.01723	410998.80
3722875.26	0.01725		
411018.80	3722875.26	0.01728	411038.80
3722875.26	0.01730		
411058.80	3722875.26	0.01731	411078.80
3722875.26	0.01733		
411098.80	3722875.26	0.01735	411118.80
3722875.26	0.01737		
411138.80	3722875.26	0.01739	411158.80
3722875.26	0.01741		
411178.80	3722875.26	0.01743	410498.80
3722895.26	0.01691		
410518.80	3722895.26	0.01693	410538.80
3722895.26	0.01695		
410558.80	3722895.26	0.01696	410578.80
3722895.26	0.01698		
410598.80	3722895.26	0.01699	410618.80
3722895.26	0.01701		
410638.80	3722895.26	0.01703	410658.80
3722895.26	0.01704		
410678.80	3722895.26	0.01706	410698.80
3722895.26	0.01708		
410718.80	3722895.26	0.01709	410738.80
3722895.26	0.01711		
410758.80	3722895.26	0.01713	410778.80
3722895.26	0.01715		
410798.80	3722895.26	0.01716	410818.80
3722895.26	0.01717		
410838.80	3722895.26	0.01718	410858.80
3722895.26	0.01720		
410878.80	3722895.26	0.01722	410898.80
3722895.26	0.01723		
410918.80	3722895.26	0.01725	410938.80
3722895.26	0.01727		
410958.80	3722895.26	0.01729	410978.80
3722895.26	0.01731		
410998.80	3722895.26	0.01732	411018.80
3722895.26	0.01734		
411038.80	3722895.26	0.01737	411058.80
3722895.26	0.01738		

^ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411078.80	3722895.26	0.01740	411098.80
3722895.26	0.01742		
411118.80	3722895.26	0.01744	411138.80
3722895.26	0.01746		
411158.80	3722895.26	0.01748	411178.80
3722895.26	0.01750		
411198.80	3722895.26	0.01752	410498.80
3722915.26	0.01699		
410518.80	3722915.26	0.01700	410538.80
3722915.26	0.01702		
410558.80	3722915.26	0.01704	410578.80
3722915.26	0.01705		
410598.80	3722915.26	0.01706	410618.80
3722915.26	0.01709		
410638.80	3722915.26	0.01710	410658.80
3722915.26	0.01712		
410678.80	3722915.26	0.01713	410698.80
3722915.26	0.01715		
410718.80	3722915.26	0.01717	410738.80
3722915.26	0.01719		
410758.80	3722915.26	0.01720	410778.80
3722915.26	0.01722		
410798.80	3722915.26	0.01723	410818.80
3722915.26	0.01724		
410838.80	3722915.26	0.01725	410858.80

3722915.26	0.01727			
410878.80	3722915.26	0.01729		410898.80
3722915.26	0.01731			
410918.80	3722915.26	0.01733		410938.80
3722915.26	0.01734			
410958.80	3722915.26	0.01736		410978.80
3722915.26	0.01738			
410998.80	3722915.26	0.01739		411018.80
3722915.26	0.01741			
411038.80	3722915.26	0.01743		411058.80
3722915.26	0.01745			
411078.80	3722915.26	0.01747		411098.80
3722915.26	0.01749			
411118.80	3722915.26	0.01751		411138.80
3722915.26	0.01753			
411158.80	3722915.26	0.01755		411178.80
3722915.26	0.01757			
411198.80	3722915.26	0.01759		411218.80
3722915.26	0.01762			
410498.80	3722935.26	0.01705		410518.80
3722935.26	0.01706			
410538.80	3722935.26	0.01709		410558.80
3722935.26	0.01711			
410578.80	3722935.26	0.01712		410598.80
3722935.26	0.01713			
410618.80	3722935.26	0.01716		410638.80
3722935.26	0.01717			
410658.80	3722935.26	0.01719		410678.80
3722935.26	0.01720			
410698.80	3722935.26	0.01722		410718.80
3722935.26	0.01724			
410738.80	3722935.26	0.01726		410758.80
3722935.26	0.01727			
410778.80	3722935.26	0.01728		410798.80
3722935.26	0.01730			
410818.80	3722935.26	0.01731		410838.80
3722935.26	0.01733			
410858.80	3722935.26	0.01735		410878.80
3722935.26	0.01736			
410898.80	3722935.26	0.01738		410918.80
3722935.26	0.01740			
410938.80	3722935.26	0.01741		410958.80
3722935.26	0.01743			
410978.80	3722935.26	0.01745		410998.80
3722935.26	0.01746			
411018.80	3722935.26	0.01748		411038.80
3722935.26	0.01750			
411058.80	3722935.26	0.01752		411078.80
3722935.26	0.01754			
411098.80	3722935.26	0.01756		411118.80

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3722935.26      0.01758
      411138.80    3722935.26      0.01760      411158.80
3722935.26      0.01763
      411178.80    3722935.26      0.01764      411198.80
3722935.26      0.01766
^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      ***      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S):      L0000001      , L0000002
, L0000003      , L0000004      , L0000005      ,
      L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
      L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
      L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
411218.80	3722935.26	0.01769	410498.80
3722955.26	0.01712		
410518.80	3722955.26	0.01713	410538.80
3722955.26	0.01716		
410558.80	3722955.26	0.01718	410578.80
3722955.26	0.01719		
410598.80	3722955.26	0.01720	410618.80
3722955.26	0.01722		
410638.80	3722955.26	0.01724	410658.80
3722955.26	0.01726		
410678.80	3722955.26	0.01727	410698.80
3722955.26	0.01729		
410718.80	3722955.26	0.01731	410738.80
3722955.26	0.01733		
410758.80	3722955.26	0.01734	410778.80
3722955.26	0.01735		

410798.80	3722955.26	0.01737	410818.80
3722955.26	0.01738		
410838.80	3722955.26	0.01740	410858.80
3722955.26	0.01741		
410878.80	3722955.26	0.01743	410898.80
3722955.26	0.01745		
410918.80	3722955.26	0.01746	410938.80
3722955.26	0.01748		
410958.80	3722955.26	0.01750	410978.80
3722955.26	0.01751		
410998.80	3722955.26	0.01753	411018.80
3722955.26	0.01756		
411038.80	3722955.26	0.01758	411058.80
3722955.26	0.01759		
411078.80	3722955.26	0.01761	411098.80
3722955.26	0.01763		
411118.80	3722955.26	0.01765	411138.80
3722955.26	0.01767		
411158.80	3722955.26	0.01769	411178.80
3722955.26	0.01771		
411198.80	3722955.26	0.01773	411218.80
3722955.26	0.01776		
410498.80	3722975.26	0.01719	410518.80
3722975.26	0.01720		
410538.80	3722975.26	0.01722	410558.80
3722975.26	0.01725		
410578.80	3722975.26	0.01726	410598.80
3722975.26	0.01727		
410618.80	3722975.26	0.01729	410638.80
3722975.26	0.01731		
410658.80	3722975.26	0.01733	410678.80
3722975.26	0.01734		
410698.80	3722975.26	0.01736	410718.80
3722975.26	0.01738		
410738.80	3722975.26	0.01740	410758.80
3722975.26	0.01741		
410778.80	3722975.26	0.01742	410798.80
3722975.26	0.01743		
410818.80	3722975.26	0.01745	410838.80
3722975.26	0.01746		
410858.80	3722975.26	0.01748	410878.80
3722975.26	0.01750		
410898.80	3722975.26	0.01752	410918.80
3722975.26	0.01753		
410938.80	3722975.26	0.01755	410958.80
3722975.26	0.01757		
410978.80	3722975.26	0.01758	410998.80
3722975.26	0.01760		
411018.80	3722975.26	0.01763	411038.80
3722975.26	0.01765		

3722975.26	411058.80	3722975.26	0.01766	411078.80
3722975.26	411098.80	3722975.26	0.01770	411118.80
3722975.26	411138.80	3722975.26	0.01774	411158.80
3722975.26	411178.80	3722975.26	0.01778	411198.80
3722975.26	411218.80	3722975.26	0.01783	413054.78
3727884.09	413074.78	3727884.09	1.82002	413094.78
3727884.09	413114.78	3727884.09	1.52614	413134.78

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***                                *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                                *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413154.78	3727884.09	1.30134	413174.78
3727884.09	1.20853		
413194.78	3727884.09	1.12642	413214.78
3727884.09	1.05282		
413234.78	3727884.09	0.98660	413254.78
3727884.09	0.92651		
413274.78	3727884.09	0.87270	413294.78

3727884.09	0.82371		
413314.78	3727884.09	0.77917	413334.78
3727884.09	0.73808		
413354.78	3727884.09	0.70036	413374.78
3727884.09	0.66577		
413394.78	3727884.09	0.63292	413414.78
3727884.09	0.59114		
413434.78	3727884.09	0.56629	413454.78
3727884.09	0.54071		
413474.78	3727884.09	0.51677	413494.78
3727884.09	0.49564		
413514.78	3727884.09	0.47740	413534.78
3727884.09	0.45806		
413554.78	3727884.09	0.43920	413574.78
3727884.09	0.42334		
413594.78	3727884.09	0.40951	413614.78
3727884.09	0.39445		
413634.78	3727884.09	0.37975	413654.78
3727884.09	0.36697		
413674.78	3727884.09	0.35559	413694.78
3727884.09	0.34391		
413714.78	3727884.09	0.33267	413734.78
3727884.09	0.32247		
413054.78	3727904.09	2.33316	413074.78
3727904.09	2.09401		
413094.78	3727904.09	1.89369	413114.78
3727904.09	1.72441		
413134.78	3727904.09	1.57826	413154.78
3727904.09	1.45077		
413174.78	3727904.09	1.33898	413194.78
3727904.09	1.24143		
413214.78	3727904.09	1.15483	413234.78
3727904.09	1.07764		
413254.78	3727904.09	1.00815	413274.78
3727904.09	0.94589		
413294.78	3727904.09	0.89005	413314.78
3727904.09	0.83929		
413334.78	3727904.09	0.79286	413354.78
3727904.09	0.75033		
413374.78	3727904.09	0.71159	413394.78
3727904.09	0.67540		
413414.78	3727904.09	0.62962	413434.78
3727904.09	0.60198		
413454.78	3727904.09	0.57350	413474.78
3727904.09	0.54720		
413494.78	3727904.09	0.52387	413514.78
3727904.09	0.50399		
413534.78	3727904.09	0.48260	413554.78
3727904.09	0.46241		
413574.78	3727904.09	0.44490	413594.78

3727904.09 0.42994
413614.78 3727904.09 0.41356 413634.78
3727904.09 0.39809
413654.78 3727904.09 0.38411 413674.78
3727904.09 0.37176
413694.78 3727904.09 0.35922 413714.78
3727904.09 0.34722
413734.78 3727904.09 0.33625 413054.78
3727924.09 2.73843
413074.78 3727924.09 2.42955 413094.78
3727924.09 2.17301
413114.78 3727924.09 1.96067 413134.78
3727924.09 1.78019
413154.78 3727924.09 1.62521 413174.78
3727924.09 1.49058
413194.78 3727924.09 1.37356 413214.78
3727924.09 1.27169
413234.78 3727924.09 1.18122 413254.78
3727924.09 1.10065
413274.78 3727924.09 1.02836 413294.78
3727924.09 0.96434
413314.78 3727924.09 0.90635 413334.78
3727924.09 0.85372

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*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC

413354.78	3727924.09	0.80574	413374.78
3727924.09	0.76224		
413394.78	3727924.09	0.72177	413414.78
3727924.09	0.67121		
413434.78	3727924.09	0.64078	413454.78
3727924.09	0.60936		
413474.78	3727924.09	0.58034	413494.78
3727924.09	0.55513		
413514.78	3727924.09	0.53296	413534.78
3727924.09	0.50962		
413554.78	3727924.09	0.48744	413574.78
3727924.09	0.46839		
413594.78	3727924.09	0.45201	413614.78
3727924.09	0.43432		
413634.78	3727924.09	0.41759	413654.78
3727924.09	0.40252		
413674.78	3727924.09	0.38914	413694.78
3727924.09	0.37560		
413714.78	3727924.09	0.36276	413734.78
3727924.09	0.35094		
413054.78	3727944.09	3.21119	413074.78
3727944.09	2.83088		
413094.78	3727944.09	2.50516	413114.78
3727944.09	2.23751		
413134.78	3727944.09	2.01538	413154.78
3727944.09	1.82650		
413174.78	3727944.09	1.66468	413194.78
3727944.09	1.52451		
413214.78	3727944.09	1.40403	413234.78
3727944.09	1.29803		
413254.78	3727944.09	1.20423	413274.78
3727944.09	1.12082		
413294.78	3727944.09	1.04694	413314.78
3727944.09	0.98083		
413334.78	3727944.09	0.92109	413354.78
3727944.09	0.86698		
413374.78	3727944.09	0.81804	413394.78
3727944.09	0.77262		
413414.78	3727944.09	0.71741	413434.78
3727944.09	0.68339		
413454.78	3727944.09	0.64869	413474.78
3727944.09	0.61674		
413494.78	3727944.09	0.58878	413514.78
3727944.09	0.56441		
413534.78	3727944.09	0.53886	413554.78
3727944.09	0.51479		
413574.78	3727944.09	0.49398	413594.78
3727944.09	0.47579		

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413554.78	3727964.09	0.54422	413574.78
3727964.09	0.52123		
413594.78	3727964.09	0.50133	413614.78
3727964.09	0.48050		
413634.78	3727964.09	0.46102	413654.78
3727964.09	0.44358		
413674.78	3727964.09	0.42797	413694.78
3727964.09	0.41205		
413714.78	3727964.09	0.39700	413734.78
3727964.09	0.38354		
413054.78	3727984.09	4.41825	413074.78
3727984.09	3.80061		
413094.78	3727984.09	3.31988	413114.78
3727984.09	2.91458		
413134.78	3727984.09	2.58337	413154.78
3727984.09	2.31057		
413174.78	3727984.09	2.08032	413194.78
3727984.09	1.88489		
413214.78	3727984.09	1.71663	413234.78
3727984.09	1.57245		
413254.78	3727984.09	1.44723	413274.78
3727984.09	1.33738		
413294.78	3727984.09	1.24056	413314.78
3727984.09	1.15202		
413334.78	3727984.09	1.07284	413354.78
3727984.09	1.00269		
413374.78	3727984.09	0.93887	413394.78
3727984.09	0.88104		
413414.78	3727984.09	0.82300	413434.78
3727984.09	0.78060		
413454.78	3727984.09	0.73958	413474.78
3727984.09	0.70171		
413494.78	3727984.09	0.66723	413514.78
3727984.09	0.63603		
413534.78	3727984.09	0.60604	413554.78
3727984.09	0.57806		
413574.78	3727984.09	0.55257	413594.78
3727984.09	0.52930		
413614.78	3727984.09	0.50628	413634.78

3727984.09	0.48497			
	413654.78	3727984.09	0.46635	413674.78
3727984.09	0.44939			
	413694.78	3727984.09	0.43214	413714.78
3727984.09	0.41582			
	413734.78	3727984.09	0.40131	413114.78
3728004.09	3.30580			
	413134.78	3728004.09	2.91180	413154.78
3728004.09	2.58951			
	413174.78	3728004.09	2.31993	413194.78
3728004.09	2.09216			
	413214.78	3728004.09	1.89741	413234.78
3728004.09	1.73062			
	413254.78	3728004.09	1.58690	413274.78
3728004.09	1.46124			
	413294.78	3728004.09	1.34063	413314.78
3728004.09	1.24305			
	413334.78	3728004.09	1.15763	413354.78
3728004.09	1.07848			
	413374.78	3728004.09	1.00757	413394.78
3728004.09	0.94445			
	413414.78	3728004.09	0.88396	413434.78
3728004.09	0.83541			
	413454.78	3728004.09	0.78914	413474.78
3728004.09	0.74647			
	413494.78	3728004.09	0.70859	413514.78
3728004.09	0.67530			
	413534.78	3728004.09	0.64187	413554.78
3728004.09	0.61060			
	413574.78	3728004.09	0.58237	413594.78
3728004.09	0.55850			
	413614.78	3728004.09	0.53379	413634.78
3728004.09	0.51075			
	413654.78	3728004.09	0.49063	413674.78
3728004.09	0.47224			
	413694.78	3728004.09	0.45399	413714.78
3728004.09	0.43657			
	413734.78	3728004.09	0.42047	413114.78
3728024.09	3.72331			
	413134.78	3728024.09	3.26520	413154.78
3728024.09	2.88919			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413174.78	3728024.09	2.57839	413194.78
3728024.09	2.31585		
413214.78	3728024.09	2.09286	413234.78
3728024.09	1.90151		
413254.78	3728024.09	1.73768	413274.78
3728024.09	1.59501		
413294.78	3728024.09	1.45874	413314.78
3728024.09	1.35474		
413334.78	3728024.09	1.25740	413354.78
3728024.09	1.16860		
413374.78	3728024.09	1.08930	413394.78
3728024.09	1.01812		
413414.78	3728024.09	0.95315	413434.78
3728024.09	0.89530		
413454.78	3728024.09	0.84287	413474.78
3728024.09	0.79546		
413494.78	3728024.09	0.75414	413514.78
3728024.09	0.71772		
413534.78	3728024.09	0.68082	413554.78
3728024.09	0.64652		
413574.78	3728024.09	0.61565	413594.78
3728024.09	0.59003		
413614.78	3728024.09	0.56342	413634.78
3728024.09	0.53851		
413654.78	3728024.09	0.51653	413674.78
3728024.09	0.49665		
413694.78	3728024.09	0.47686	413714.78
3728024.09	0.45805		
413734.78	3728024.09	0.44066	413114.78
3728044.09	4.15980		

413134.78	3728044.09	3.63871	413154.78
3728044.09	3.20821		
413174.78	3728044.09	2.85318	413194.78
3728044.09	2.55460		
413214.78	3728044.09	2.30147	413234.78
3728044.09	2.08478		
413254.78	3728044.09	1.89925	413274.78
3728044.09	1.73836		
413294.78	3728044.09	1.58624	413314.78
3728044.09	1.46990		
413334.78	3728044.09	1.35638	413354.78
3728044.09	1.25592		
413374.78	3728044.09	1.16786	413394.78
3728044.09	1.08923		
413414.78	3728044.09	1.01735	413434.78
3728044.09	0.95753		
413454.78	3728044.09	0.90071	413474.78
3728044.09	0.84847		
413494.78	3728044.09	0.80302	413514.78
3728044.09	0.76307		
413534.78	3728044.09	0.72267	413554.78
3728044.09	0.68541		
413574.78	3728044.09	0.65186	413594.78
3728044.09	0.62395		
413614.78	3728044.09	0.59484	413634.78
3728044.09	0.56780		
413654.78	3728044.09	0.54412	413674.78
3728044.09	0.52263		
413694.78	3728044.09	0.50120	413714.78
3728044.09	0.48086		
413734.78	3728044.09	0.46224	413134.78
3728064.09	4.02942		
413154.78	3728064.09	3.54481	413174.78
3728064.09	3.14252		
413194.78	3728064.09	2.80681	413214.78
3728064.09	2.52232		
413234.78	3728064.09	2.27909	413254.78
3728064.09	2.07094		
413274.78	3728064.09	1.89067	413294.78
3728064.09	1.72220		
413314.78	3728064.09	1.59172	413334.78
3728064.09	1.46510		
413354.78	3728064.09	1.35418	413374.78
3728064.09	1.25714		
413394.78	3728064.09	1.17102	413414.78
3728064.09	1.08995		
413434.78	3728064.09	1.02479	413454.78
3728064.09	0.96221		
413474.78	3728064.09	0.90488	413494.78
3728064.09	0.85510		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413514.78	3728064.09	0.81117	413534.78
3728064.09	0.76727		
413554.78	3728064.09	0.72663	413574.78
3728064.09	0.69058		
413594.78	3728064.09	0.65976	413614.78
3728064.09	0.62816		
413634.78	3728064.09	0.60010	413654.78
3728064.09	0.57463		
413674.78	3728064.09	0.55046	413694.78
3728064.09	0.52746		
413714.78	3728064.09	0.50592	413734.78
3728064.09	0.48586		
413134.78	3728084.09	4.43318	413154.78
3728084.09	3.89640		
413174.78	3728084.09	3.44619	413194.78
3728084.09	3.07108		
413214.78	3728084.09	2.75444	413234.78
3728084.09	2.48339		
413254.78	3728084.09	2.25172	413274.78
3728084.09	2.05122		
413294.78	3728084.09	1.86588	413314.78

3728084.09	1.72057		
413334.78	3728084.09	1.58327	413354.78
3728084.09	1.46149		
413374.78	3728084.09	1.35273	413394.78
3728084.09	1.25718		
413414.78	3728084.09	1.16756	413434.78
3728084.09	1.09575		
413454.78	3728084.09	1.02743	413474.78
3728084.09	0.96469		
413494.78	3728084.09	0.90982	413514.78
3728084.09	0.86195		
413534.78	3728084.09	0.81435	413554.78
3728084.09	0.77019		
413574.78	3728084.09	0.73093	413594.78
3728084.09	0.69726		
413614.78	3728084.09	0.66543	413634.78
3728084.09	0.63468		
413654.78	3728084.09	0.60540	413674.78
3728084.09	0.57904		
413694.78	3728084.09	0.55402	413714.78
3728084.09	0.53050		
413734.78	3728084.09	0.50930	413134.78
3728104.09	4.83152		
413154.78	3728104.09	4.26073	413174.78
3728104.09	3.76285		
413194.78	3728104.09	3.34593	413214.78
3728104.09	2.99563		
413234.78	3728104.09	2.69631	413254.78
3728104.09	2.44055		
413274.78	3728104.09	2.21909	413294.78
3728104.09	2.01621		
413314.78	3728104.09	1.85569	413334.78
3728104.09	1.70805		
413354.78	3728104.09	1.57410	413374.78
3728104.09	1.45277		
413394.78	3728104.09	1.34643	413414.78
3728104.09	1.24934		
413434.78	3728104.09	1.17103	413454.78
3728104.09	1.09635		
413474.78	3728104.09	1.02796	413494.78
3728104.09	0.96787		
413514.78	3728104.09	0.91549	413534.78
3728104.09	0.86381		
413554.78	3728104.09	0.81622	413574.78
3728104.09	0.77409		
413594.78	3728104.09	0.73655	413614.78
3728104.09	0.70281		
413634.78	3728104.09	0.66817	413654.78
3728104.09	0.63612		
413674.78	3728104.09	0.60904	413694.78

3728104.09 0.58216
 413714.78 3728104.09 0.55686 413734.78
 3728104.09 0.53490
 413174.78 3728124.09 4.08921 413194.78
 3728124.09 3.63063
 413214.78 3728124.09 3.24473 413234.78
 3728124.09 2.91735
 413254.78 3728124.09 2.63615 413274.78
 3728124.09 2.39316

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413294.78	3728124.09	2.17479	413314.78
3728124.09	1.99626		
413334.78	3728124.09	1.82940	413354.78
3728124.09	1.68278		
413374.78	3728124.09	1.55317	413394.78
3728124.09	1.43968		
413414.78	3728124.09	1.33544	413434.78
3728124.09	1.24960		
413454.78	3728124.09	1.16840	413474.78
3728124.09	1.09442		
413494.78	3728124.09	1.02816	413514.78
3728124.09	0.97150		

413534.78	3728124.09	0.91584	413554.78
3728124.09	0.86470		
413574.78	3728124.09	0.82011	413594.78
3728124.09	0.78025		
413614.78	3728124.09	0.74092	413634.78
3728124.09	0.70292		
413654.78	3728124.09	0.67059	413674.78
3728124.09	0.64154		
413694.78	3728124.09	0.61257	413714.78
3728124.09	0.58535		
413734.78	3728124.09	0.56154	413174.78
3728144.09	4.42200		
413194.78	3728144.09	3.92226	413214.78
3728144.09	3.50055		
413234.78	3728144.09	3.14358	413254.78
3728144.09	2.83697		
413274.78	3728144.09	2.57172	413294.78
3728144.09	2.33911		
413314.78	3728144.09	2.14075	413334.78
3728144.09	1.96232		
413354.78	3728144.09	1.80128	413374.78
3728144.09	1.66322		
413394.78	3728144.09	1.54018	413414.78
3728144.09	1.42443		
413434.78	3728144.09	1.33136	413454.78
3728144.09	1.24352		
413474.78	3728144.09	1.16342	413494.78
3728144.09	1.09172		
413514.78	3728144.09	1.02998	413534.78
3728144.09	0.96979		
413554.78	3728144.09	0.91462	413574.78
3728144.09	0.86872		
413594.78	3728144.09	0.82376	413614.78
3728144.09	0.77967		
413634.78	3728144.09	0.74056	413654.78
3728144.09	0.70665		
413674.78	3728144.09	0.67555	413694.78
3728144.09	0.64464		
413714.78	3728144.09	0.61515	413734.78
3728144.09	0.58933		
413174.78	3728164.09	4.75194	413194.78
3728164.09	4.21613		
413214.78	3728164.09	3.75978	413234.78
3728164.09	3.37262		
413254.78	3728164.09	3.04122	413274.78
3728164.09	2.75377		
413294.78	3728164.09	2.50415	413314.78
3728164.09	2.28862		
413334.78	3728164.09	2.09741	413354.78
3728164.09	1.92849		

	413374.78	3728164.09	1.77608	413394.78
3728164.09	1.64247			
	413414.78	3728164.09	1.51656	413434.78
3728164.09	1.41566			
	413454.78	3728164.09	1.32122	413474.78
3728164.09	1.23485			
	413494.78	3728164.09	1.15695	413514.78
3728164.09	1.09045			
	413534.78	3728164.09	1.02692	413554.78
3728164.09	0.96878			
	413574.78	3728164.09	0.91769	413594.78
3728164.09	0.86683			
	413614.78	3728164.09	0.82132	413634.78
3728164.09	0.78034			
	413654.78	3728164.09	0.74390	413674.78
3728164.09	0.71037			
	413694.78	3728164.09	0.67736	413714.78
3728164.09	0.64618			

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413734.78	3728164.09	0.61778	413174.78
3728184.09	5.05751		
413194.78	3728184.09	4.50874	413214.78

3728184.09	4.01976			
	413234.78	3728184.09	3.60310	413254.78
3728184.09	3.24703			
	413274.78	3728184.09	2.93813	413294.78
3728184.09	2.67097			
	413314.78	3728184.09	2.43866	413334.78
3728184.09	2.23375			
	413354.78	3728184.09	2.05282	413374.78
3728184.09	1.88935			
	413394.78	3728184.09	1.74380	413414.78
3728184.09	1.61156			
	413434.78	3728184.09	1.50246	413454.78
3728184.09	1.40076			
	413474.78	3728184.09	1.30815	413494.78
3728184.09	1.22450			
	413514.78	3728184.09	1.15126	413534.78
3728184.09	1.08708			
	413554.78	3728184.09	1.02484	413574.78
3728184.09	0.96595			
	413594.78	3728184.09	0.91222	413614.78
3728184.09	0.86561			
	413634.78	3728184.09	0.82235	413654.78
3728184.09	0.78217			
	413674.78	3728184.09	0.74623	413694.78
3728184.09	0.71088			
	413714.78	3728184.09	0.67748	413734.78
3728184.09	0.64725			
	413174.78	3728204.09	5.38307	413194.78
3728204.09	4.78913			
	413214.78	3728204.09	4.27664	413234.78
3728204.09	3.83280			
	413254.78	3728204.09	3.45229	413274.78
3728204.09	3.12314			
	413294.78	3728204.09	2.83850	413314.78
3728204.09	2.58917			
	413334.78	3728204.09	2.36774	413354.78
3728204.09	2.17290			
	413374.78	3728204.09	2.00050	413394.78
3728204.09	1.84792			
	413414.78	3728204.09	1.70765	413434.78
3728204.09	1.59066			
	413454.78	3728204.09	1.48212	413474.78
3728204.09	1.38340			
	413494.78	3728204.09	1.29571	413514.78
3728204.09	1.21635			
	413534.78	3728204.09	1.14698	413554.78
3728204.09	1.07849			
	413574.78	3728204.09	1.01531	413594.78
3728204.09	0.96092			
	413614.78	3728204.09	0.91144	413634.78

3728204.09	0.86453			
413654.78	3728204.09	0.82127		413674.78
3728204.09	0.78295			
413694.78	3728204.09	0.74532		413714.78
3728204.09	0.71027			
413734.78	3728204.09	0.67869		413234.78
3728224.09	4.05808			
413254.78	3728224.09	3.65507		413274.78
3728224.09	3.30698			
413294.78	3728224.09	3.00433		413314.78
3728224.09	2.73928			
413334.78	3728224.09	2.50520		413354.78
3728224.09	2.29764			
413374.78	3728224.09	2.11634		413394.78
3728224.09	1.95503			
413414.78	3728224.09	1.80460		413434.78
3728224.09	1.68100			
413454.78	3728224.09	1.56541		413474.78
3728224.09	1.46107			
413494.78	3728224.09	1.36683		413514.78
3728224.09	1.28512			
413534.78	3728224.09	1.20690		413554.78
3728224.09	1.13275			
413574.78	3728224.09	1.06801		413594.78
3728224.09	1.01075			
413614.78	3728224.09	0.95909		413634.78
3728224.09	0.90882			

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L000001 , L000002
, L000003 , L000004 , L000005 ,
, L000006 , L000007 , L000008 , L000009 , L000010
, L000011 , L000012 , L000013 ,
, L000014 , L000015 , L000016 , L000017 , L000018
, L000019 , L000020 , L000021 ,
, L000022 , L000023 , L000024 , L000025 , L000026
, L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413654.78	3728224.09	0.86152	413674.78
3728224.09	0.82073		
413694.78	3728224.09	0.78167	413714.78
3728224.09	0.74471		
413734.78	3728224.09	0.71020	413234.78
3728244.09	4.27709		
413254.78	3728244.09	3.85326	413274.78
3728244.09	3.48701		
413294.78	3728244.09	3.16793	413314.78
3728244.09	2.88814		
413334.78	3728244.09	2.64078	413354.78
3728244.09	2.42536		
413374.78	3728244.09	2.23280	413394.78
3728244.09	2.06079		
413414.78	3728244.09	1.90233	413434.78
3728244.09	1.76962		
413454.78	3728244.09	1.64958	413474.78
3728244.09	1.54062		
413494.78	3728244.09	1.44256	413514.78
3728244.09	1.35145		
413534.78	3728244.09	1.26519	413554.78
3728244.09	1.18947		
413574.78	3728244.09	1.12302	413594.78
3728244.09	1.06164		
413614.78	3728244.09	1.00611	413634.78
3728244.09	0.95149		
413654.78	3728244.09	0.90255	413674.78
3728244.09	0.85931		
413694.78	3728244.09	0.81725	413714.78
3728244.09	0.77702		
413734.78	3728244.09	0.74080	413234.78
3728264.09	4.48231		
413254.78	3728264.09	4.04500	413274.78
3728264.09	3.66189		
413294.78	3728264.09	3.32841	413314.78
3728264.09	3.03542		
413334.78	3728264.09	2.77594	413354.78
3728264.09	2.55063		
413374.78	3728264.09	2.34878	413394.78
3728264.09	2.16595		
413414.78	3728264.09	1.99764	413434.78
3728264.09	1.85688		
413454.78	3728264.09	1.72882	413474.78
3728264.09	1.61737		

413494.78	3728264.09	1.51441	413514.78
3728264.09	1.41506		
413534.78	3728264.09	1.32635	413554.78
3728264.09	1.24897		
413574.78	3728264.09	1.17810	413594.78
3728264.09	1.11447		
413614.78	3728264.09	1.05142	413634.78
3728264.09	0.99462		
413654.78	3728264.09	0.94440	413674.78
3728264.09	0.89869		
413694.78	3728264.09	0.85424	413714.78
3728264.09	0.81225		
413734.78	3728264.09	0.77510	413234.78
3728284.09	4.68072		
413254.78	3728284.09	4.22872	413274.78
3728284.09	3.83045		
413294.78	3728284.09	3.48303	413314.78
3728284.09	3.17897		
413334.78	3728284.09	2.91028	413354.78
3728284.09	2.67246		
413374.78	3728284.09	2.45751	413394.78
3728284.09	2.26801		
413414.78	3728284.09	2.09883	413434.78
3728284.09	1.94992		
413454.78	3728284.09	1.81504	413474.78
3728284.09	1.69760		
413494.78	3728284.09	1.58560	413514.78
3728284.09	1.48246		
413534.78	3728284.09	1.39107	413554.78
3728284.09	1.30834		
413574.78	3728284.09	1.23470	413594.78
3728284.09	1.16456		
413614.78	3728284.09	1.09828	413634.78
3728284.09	1.04018		
413654.78	3728284.09	0.98654	413674.78
3728284.09	0.93830		

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,

```


, L0000019 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413694.78	3728284.09	0.89209	413714.78
3728284.09	0.84882		
413734.78	3728284.09	0.80913	413254.78
3728304.09	4.40051		
413274.78	3728304.09	3.99239	413294.78
3728304.09	3.63286		
413314.78	3728304.09	3.31603	413334.78
3728304.09	3.03770		
413354.78	3728304.09	2.79123	413374.78
3728304.09	2.57127		
413394.78	3728304.09	2.37415	413414.78
3728304.09	2.19740		
413434.78	3728304.09	2.04116	413454.78
3728304.09	1.90045		
413474.78	3728304.09	1.77433	413494.78
3728304.09	1.65787		
413514.78	3728304.09	1.55163	413534.78
3728304.09	1.45571		
413554.78	3728304.09	1.36847	413574.78
3728304.09	1.29003		
413594.78	3728304.09	1.21580	413614.78
3728304.09	1.14789		
413634.78	3728304.09	1.08709	413654.78
3728304.09	1.03056		
413674.78	3728304.09	0.97847	413694.78
3728304.09	0.92990		
413714.78	3728304.09	0.88474	413734.78
3728304.09	0.84277		
413254.78	3728324.09	4.57260	413274.78
3728324.09	4.14697		
413294.78	3728324.09	3.77270	413314.78
3728324.09	3.45191		
413334.78	3728324.09	3.15932	413354.78
3728324.09	2.90202		
413374.78	3728324.09	2.67675	413394.78

3728324.09	2.47437			
	413414.78	3728324.09	2.29349	413434.78
3728324.09	2.13032			
	413454.78	3728324.09	1.98320	413474.78
3728324.09	1.85025			
	413494.78	3728324.09	1.72952	413514.78
3728324.09	1.61956			
	413534.78	3728324.09	1.51944	413554.78
3728324.09	1.42809			
	413574.78	3728324.09	1.34439	413594.78
3728324.09	1.26782			
	413614.78	3728324.09	1.19772	413634.78
3728324.09	1.13319			
	413654.78	3728324.09	1.07352	413674.78
3728324.09	1.01828			
	413694.78	3728324.09	0.96736	413714.78
3728324.09	0.91986			
	413734.78	3728324.09	0.87592	413254.78
3728344.09	4.72834			
	413274.78	3728344.09	4.29510	413294.78
3728344.09	3.91559			
	413314.78	3728344.09	3.57501	413334.78
3728344.09	3.28115			
	413354.78	3728344.09	3.01946	413374.78
3728344.09	2.78134			
	413394.78	3728344.09	2.56979	413414.78
3728344.09	2.38122			
	413434.78	3728344.09	2.21281	413454.78
3728344.09	2.06104			
	413474.78	3728344.09	1.92484	413494.78
3728344.09	1.79911			
	413514.78	3728344.09	1.68196	413534.78
3728344.09	1.57706			
	413554.78	3728344.09	1.48208	413574.78
3728344.09	1.39541			
	413594.78	3728344.09	1.31548	413614.78
3728344.09	1.24332			
	413634.78	3728344.09	1.17645	413654.78
3728344.09	1.11454			
	413674.78	3728344.09	1.05726	413694.78
3728344.09	1.00503			
	413714.78	3728344.09	0.95645	413734.78
3728344.09	0.91050			
	413254.78	3728364.09	4.87411	413274.78
3728364.09	4.43273			

▲ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 16216 ***

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 05/26/20

*** 16:48:31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413294.78	3728364.09	4.04480	413314.78
3728364.09	3.70139		
413334.78	3728364.09	3.39746	413354.78
3728364.09	3.12407		
413374.78	3728364.09	2.88135	413394.78
3728364.09	2.66703		
413414.78	3728364.09	2.47422	413434.78
3728364.09	2.29957		
413454.78	3728364.09	2.14153	413474.78
3728364.09	1.99844		
413494.78	3728364.09	1.86847	413514.78
3728364.09	1.74997		
413534.78	3728364.09	1.64203	413554.78
3728364.09	1.54331		
413574.78	3728364.09	1.45286	413594.78
3728364.09	1.36982		
413614.78	3728364.09	1.29343	413634.78
3728364.09	1.22307		
413654.78	3728364.09	1.15809	413674.78
3728364.09	1.09778		
413694.78	3728364.09	1.04186	413714.78
3728364.09	0.99072		
413734.78	3728364.09	0.94410	413254.78
3728384.09	5.00828		
413274.78	3728384.09	4.56060	413294.78
3728384.09	4.16620		

413314.78	3728384.09	3.81615	413334.78
3728384.09	3.50468		
413354.78	3728384.09	3.22808	413374.78
3728384.09	2.98127		
413394.78	3728384.09	2.75954	413414.78
3728384.09	2.55972		
413434.78	3728384.09	2.37948	413454.78
3728384.09	2.21671		
413474.78	3728384.09	2.06958	413494.78
3728384.09	1.93550		
413514.78	3728384.09	1.81311	413534.78
3728384.09	1.70170		
413554.78	3728384.09	1.59979	413574.78
3728384.09	1.50636		
413594.78	3728384.09	1.42054	413614.78
3728384.09	1.34156		
413634.78	3728384.09	1.26874	413654.78
3728384.09	1.20151		
413674.78	3728384.09	1.13931	413694.78
3728384.09	1.08160		
413714.78	3728384.09	1.02807	413734.78
3728384.09	0.97838		
413254.78	3728404.09	5.12814	413274.78
3728404.09	4.67863		
413294.78	3728404.09	4.27877	413314.78
3728404.09	3.92409		
413334.78	3728404.09	3.60710	413354.78
3728404.09	3.32473		
413374.78	3728404.09	3.07247	413394.78
3728404.09	2.84597		
413414.78	3728404.09	2.64156	413434.78
3728404.09	2.45655		
413454.78	3728404.09	2.28922	413474.78
3728404.09	2.13818		
413494.78	3728404.09	2.00038	413514.78
3728404.09	1.87434		
413534.78	3728404.09	1.75965	413554.78
3728404.09	1.65451		
413574.78	3728404.09	1.55801	413594.78
3728404.09	1.46947		
413614.78	3728404.09	1.38785	413634.78
3728404.09	1.31262		
413654.78	3728404.09	1.24306	413674.78
3728404.09	1.17868		
413694.78	3728404.09	1.11899	413714.78
3728404.09	1.06361		
413734.78	3728404.09	1.01211	413294.78
3728424.09	4.38309		
413314.78	3728424.09	4.02418	413334.78
3728424.09	3.70356		

413354.78 3728424.09 3.41620 413374.78
 3728424.09 3.15909
 413394.78 3728424.09 2.92824 413414.78
 3728424.09 2.71976

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 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413434.78	3728424.09	2.53051	413454.78
3728424.09	2.35918		
413474.78	3728424.09	2.20446	413494.78
3728424.09	2.06331		
413514.78	3728424.09	1.93426	413534.78
3728424.09	1.81631		
413554.78	3728424.09	1.70817	413574.78
3728424.09	1.60890		
413594.78	3728424.09	1.51759	413614.78
3728424.09	1.43345		
413634.78	3728424.09	1.35578	413654.78
3728424.09	1.28397		
413674.78	3728424.09	1.21749	413694.78
3728424.09	1.15583		
413714.78	3728424.09	1.09857	413734.78
3728424.09	1.04532		
413294.78	3728444.09	4.47803	413314.78

3728444.09	4.11625		
413334.78	3728444.09	3.79274	413354.78
3728444.09	3.50188		
413374.78	3728444.09	3.24048	413394.78
3728444.09	3.00545		
413414.78	3728444.09	2.79382	413434.78
3728444.09	2.60090		
413454.78	3728444.09	2.42620	413474.78
3728444.09	2.26796		
413494.78	3728444.09	2.12376	413514.78
3728444.09	1.99162		
413534.78	3728444.09	1.87069	413554.78
3728444.09	1.75980		
413574.78	3728444.09	1.65793	413594.78
3728444.09	1.56413		
413614.78	3728444.09	1.47764	413634.78
3728444.09	1.39777		
413654.78	3728444.09	1.32395	413674.78
3728444.09	1.25542		
413694.78	3728444.09	1.19183	413714.78
3728444.09	1.13276		
413734.78	3728444.09	1.07800	413294.78
3728464.09	4.56551		
413314.78	3728464.09	4.20099	413334.78
3728464.09	3.87466		
413354.78	3728464.09	3.58137	413374.78
3728464.09	3.31637		
413394.78	3728464.09	3.07839	413414.78
3728464.09	2.86352		
413434.78	3728464.09	2.66774	413454.78
3728464.09	2.48980		
413474.78	3728464.09	2.32846	413494.78
3728464.09	2.18142		
413514.78	3728464.09	2.04622	413534.78
3728464.09	1.92256		
413554.78	3728464.09	1.80905	413574.78
3728464.09	1.70481		
413594.78	3728464.09	1.60884	413614.78
3728464.09	1.52024		
413634.78	3728464.09	1.43856	413654.78
3728464.09	1.36284		
413674.78	3728464.09	1.29242	413694.78
3728464.09	1.22702		
413714.78	3728464.09	1.16625	413734.78
3728464.09	1.11002		
413314.78	3728484.09	4.27687	413334.78
3728484.09	3.94917		
413354.78	3728484.09	3.65414	413374.78
3728484.09	3.38716		
413394.78	3728484.09	3.14657	413414.78

3728484.09	2.92853			
413434.78	3728484.09	2.73051		413454.78
3728484.09	2.55032			
413474.78	3728484.09	2.38609		413494.78
3728484.09	2.23605			
413514.78	3728484.09	2.09800		413534.78
3728484.09	1.97114			
413554.78	3728484.09	1.85472		413574.78
3728484.09	1.74905			
413594.78	3728484.09	1.64987		413614.78
3728484.09	1.56074			
413634.78	3728484.09	1.47798		413654.78
3728484.09	1.40049			

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***                                *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                                *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413674.78	3728484.09	1.32827	413694.78
3728484.09	1.26122		
413714.78	3728484.09	1.19892	413734.78
3728484.09	1.14113		
413334.78	3728504.09	4.01585	413354.78
3728504.09	3.71963		
413374.78	3728504.09	3.45191	413394.78
3728504.09	3.20844		

413414.78	3728504.09	2.98785	413434.78
3728504.09	2.78782		
413454.78	3728504.09	2.60532	413474.78
3728504.09	2.43919		
413494.78	3728504.09	2.28743	413514.78
3728504.09	2.14710		
413534.78	3728504.09	2.01802	413554.78
3728504.09	1.90133		
413574.78	3728504.09	1.79341	413594.78
3728504.09	1.69197		
413614.78	3728504.09	1.60043	413634.78
3728504.09	1.51585		
413654.78	3728504.09	1.43674	413674.78
3728504.09	1.36285		
413694.78	3728504.09	1.29422	413714.78
3728504.09	1.23057		
413734.78	3728504.09	1.17145	413334.78
3728524.09	4.07454		
413354.78	3728524.09	3.77782	413374.78
3728524.09	3.50963		
413394.78	3728524.09	3.26546	413414.78
3728524.09	3.04298		
413434.78	3728524.09	2.84085	413454.78
3728524.09	2.65601		
413474.78	3728524.09	2.48921	413494.78
3728524.09	2.33520		
413514.78	3728524.09	2.19388	413534.78
3728524.09	2.06403		
413554.78	3728524.09	1.94462	413574.78
3728524.09	1.83398		
413594.78	3728524.09	1.73060	413614.78
3728524.09	1.63849		
413634.78	3728524.09	1.55212	413654.78
3728524.09	1.47144		
413674.78	3728524.09	1.39616	413694.78
3728524.09	1.32610		
413714.78	3728524.09	1.26125	413734.78
3728524.09	1.20076		
413334.78	3728544.09	4.12561	413354.78
3728544.09	3.82883		
413374.78	3728544.09	3.56032	413394.78
3728544.09	3.31605		
413414.78	3728544.09	3.09252	413434.78
3728544.09	2.88859		
413454.78	3728544.09	2.70369	413474.78
3728544.09	2.53516		
413494.78	3728544.09	2.37879	413514.78
3728544.09	2.23599		
413534.78	3728544.09	2.10482	413554.78
3728544.09	1.98335		

413574.78	3728544.09	1.87110	413594.78
3728544.09	1.76949		
413614.78	3728544.09	1.67476	413634.78
3728544.09	1.58648		
413654.78	3728544.09	1.50441	413674.78
3728544.09	1.42776		
413694.78	3728544.09	1.35650	413714.78
3728544.09	1.29026		
413734.78	3728544.09	1.22864	413374.78
3728564.09	3.60377		
413394.78	3728564.09	3.35896	413414.78
3728564.09	3.13566		
413434.78	3728564.09	2.93155	413454.78
3728564.09	2.74673		
413474.78	3728564.09	2.57624	413494.78
3728564.09	2.41853		
413514.78	3728564.09	2.27419	413534.78
3728564.09	2.14180		
413554.78	3728564.09	2.02105	413574.78
3728564.09	1.90904		
413594.78	3728564.09	1.80494	413614.78
3728564.09	1.70838		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

- INCLUDING SOURCE(S): L0000001 , L0000002
- , L0000003 , L0000004 , L0000005 ,
 - L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 - , L0000011 , L0000012 , L0000013 ,
 - L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 - , L0000019 , L0000020 , L0000021 ,
 - L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 - , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

413634.78	3728564.09	1.61883	413654.78
3728564.09	1.53552		
413674.78	3728564.09	1.45785	413694.78
3728564.09	1.38558		
413714.78	3728564.09	1.31787	413734.78
3728564.09	1.25393		
413374.78	3728584.09	3.63926	413394.78
3728584.09	3.39544		
413414.78	3728584.09	3.17252	413434.78
3728584.09	2.96931		
413454.78	3728584.09	2.78429	413474.78
3728584.09	2.61229		
413494.78	3728584.09	2.45487	413514.78
3728584.09	2.31111		
413534.78	3728584.09	2.17842	413554.78
3728584.09	2.05580		
413574.78	3728584.09	1.94233	413594.78
3728584.09	1.83711		
413614.78	3728584.09	1.73950	413634.78
3728584.09	1.64878		
413654.78	3728584.09	1.56448	413674.78
3728584.09	1.48585		
413694.78	3728584.09	1.41006	413714.78
3728584.09	1.33854		
413734.78	3728584.09	1.27480	413374.78
3728604.09	3.66831		
413394.78	3728604.09	3.42377	413414.78
3728604.09	3.20300		
413434.78	3728604.09	3.00166	413454.78
3728604.09	2.81609		
413474.78	3728604.09	2.64423	413494.78
3728604.09	2.48741		
413514.78	3728604.09	2.34315	413534.78
3728604.09	2.20979		
413554.78	3728604.09	2.08646	413574.78
3728604.09	1.97213		
413594.78	3728604.09	1.86608	413614.78
3728604.09	1.76769		
413634.78	3728604.09	1.67595	413654.78
3728604.09	1.58623		
413674.78	3728604.09	1.50154	413694.78
3728604.09	1.42735		
413714.78	3728604.09	1.35988	413734.78
3728604.09	1.29724		
413414.78	3728624.09	3.22839	413434.78
3728624.09	3.02628		
413454.78	3728624.09	2.84226	413474.78
3728624.09	2.67184		
413494.78	3728624.09	2.51497	413514.78

3728624.09	2.37054			
	413534.78	3728624.09	2.23685	413554.78
3728624.09	2.11306			
	413574.78	3728624.09	1.99831	413594.78
3728624.09	1.89156			
	413614.78	3728624.09	1.78494	413634.78
3728624.09	1.68504			
	413654.78	3728624.09	1.59894	413674.78
3728624.09	1.52126			
	413694.78	3728624.09	1.44913	413714.78
3728624.09	1.38201			
	413734.78	3728624.09	1.31973	413414.78
3728644.09	3.24428			
	413434.78	3728644.09	3.04443	413454.78
3728644.09	2.86148			
	413474.78	3728644.09	2.69311	413494.78
3728644.09	2.53716			
	413514.78	3728644.09	2.39297	413534.78
3728644.09	2.25917			
	413554.78	3728644.09	2.13499	413574.78
3728644.09	2.00873			
	413594.78	3728644.09	1.89098	413614.78
3728644.09	1.79417			
	413634.78	3728644.09	1.70315	413654.78
3728644.09	1.61908			
	413674.78	3728644.09	1.54217	413694.78
3728644.09	1.47100			
	413714.78	3728644.09	1.40571	413734.78
3728644.09	1.34534			
	413414.78	3728664.09	3.25341	413434.78
3728664.09	3.05551			

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
          INCLUDING SOURCE(S): L000001 , L000002
, L000003 , L000004 , L000005 ,
          L000006 , L000007 , L000008 , L000009 , L000010
, L000011 , L000012 , L000013 ,
          L000014 , L000015 , L000016 , L000017 , L000018
, L000019 , L000020 , L000021 ,
          L000022 , L000023 , L000024 , L000025 , L000026
, L000027 , L000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413454.78	3728664.09	2.87196	413474.78
3728664.09	2.70791		
413494.78	3728664.09	2.55152	413514.78
3728664.09	2.40709		
413534.78	3728664.09	2.25905	413554.78
3728664.09	2.13815		
413574.78	3728664.09	2.04764	413594.78
3728664.09	1.92829		
413614.78	3728664.09	1.82191	413634.78
3728664.09	1.72355		
413654.78	3728664.09	1.63952	413674.78
3728664.09	1.56636		
413694.78	3728664.09	1.50010	413714.78
3728664.09	1.43166		
413734.78	3728664.09	1.36540	413414.78
3728684.09	3.25394		
413434.78	3728684.09	3.06009	413454.78
3728684.09	2.88035		
413474.78	3728684.09	2.71293	413494.78
3728684.09	2.53928		
413514.78	3728684.09	2.47659	413534.78
3728684.09	2.34424		
413554.78	3728684.09	2.22242	413574.78
3728684.09	2.10935		
413594.78	3728684.09	1.96866	413614.78
3728684.09	1.83590		
413634.78	3728684.09	1.74401	413654.78
3728684.09	1.67136		
413674.78	3728684.09	1.59441	413694.78
3728684.09	1.51946		
413714.78	3728684.09	1.44880	413734.78
3728684.09	1.38126		
410427.04	3723000.34	0.01722	410447.04
3723000.34	0.01723		
410467.04	3723000.34	0.01725	410487.04
3723000.34	0.01727		
410507.04	3723000.34	0.01728	410527.04
3723000.34	0.01730		
410547.04	3723000.34	0.01732	410567.04
3723000.34	0.01734		

410587.04	3723000.34	0.01735	410607.04
3723000.34	0.01737		
410627.04	3723000.34	0.01739	410647.04
3723000.34	0.01741		
410667.04	3723000.34	0.01742	410687.04
3723000.34	0.01744		
410707.04	3723000.34	0.01746	410727.04
3723000.34	0.01747		
410747.04	3723000.34	0.01749	410767.04
3723000.34	0.01750		
410787.04	3723000.34	0.01752	410807.04
3723000.34	0.01753		
410827.04	3723000.34	0.01755	410847.04
3723000.34	0.01757		
410867.04	3723000.34	0.01759	410887.04
3723000.34	0.01760		
410907.04	3723000.34	0.01762	410927.04
3723000.34	0.01764		
410947.04	3723000.34	0.01765	410967.04
3723000.34	0.01767		
410987.04	3723000.34	0.01769	411007.04
3723000.34	0.01771		
411027.04	3723000.34	0.01773	411047.04
3723000.34	0.01775		
411067.04	3723000.34	0.01777	411087.04
3723000.34	0.01779		
411107.04	3723000.34	0.01781	411127.04
3723000.34	0.01783		
411147.04	3723000.34	0.01785	411167.04
3723000.34	0.01787		
411187.04	3723000.34	0.01789	411207.04
3723000.34	0.01791		
411227.04	3723000.34	0.01793	411327.04
3723000.34	0.01805		
410427.04	3723020.34	0.01729	410447.04
3723020.34	0.01731		
410467.04	3723020.34	0.01732	410487.04
3723020.34	0.01733		
410507.04	3723020.34	0.01735	410527.04
3723020.34	0.01737		

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410547.04	3723020.34	0.01738	410567.04
3723020.34	0.01740		
410587.04	3723020.34	0.01742	410607.04
3723020.34	0.01744		
410627.04	3723020.34	0.01745	410647.04
3723020.34	0.01747		
410667.04	3723020.34	0.01749	410687.04
3723020.34	0.01751		
410707.04	3723020.34	0.01752	410727.04
3723020.34	0.01754		
410747.04	3723020.34	0.01756	410767.04
3723020.34	0.01757		
410787.04	3723020.34	0.01759	410807.04
3723020.34	0.01760		
410827.04	3723020.34	0.01762	410847.04
3723020.34	0.01764		
410867.04	3723020.34	0.01766	410887.04
3723020.34	0.01767		
410907.04	3723020.34	0.01769	410927.04
3723020.34	0.01771		
410947.04	3723020.34	0.01773	410967.04
3723020.34	0.01775		
410987.04	3723020.34	0.01777	411007.04
3723020.34	0.01778		
411027.04	3723020.34	0.01780	411047.04
3723020.34	0.01782		
411067.04	3723020.34	0.01784	411087.04
3723020.34	0.01786		
411107.04	3723020.34	0.01788	411127.04
3723020.34	0.01790		
411147.04	3723020.34	0.01792	411167.04

3723020.34	0.01794		
411187.04	3723020.34	0.01796	411207.04
3723020.34	0.01798		
411227.04	3723020.34	0.01800	410427.04
3723040.34	0.01737		
410447.04	3723040.34	0.01737	410467.04
3723040.34	0.01739		
410487.04	3723040.34	0.01741	410507.04
3723040.34	0.01742		
410527.04	3723040.34	0.01744	410547.04
3723040.34	0.01746		
410567.04	3723040.34	0.01747	410587.04
3723040.34	0.01749		
410607.04	3723040.34	0.01751	410627.04
3723040.34	0.01752		
410647.04	3723040.34	0.01754	410667.04
3723040.34	0.01756		
410687.04	3723040.34	0.01757	410707.04
3723040.34	0.01759		
410727.04	3723040.34	0.01761	410747.04
3723040.34	0.01763		
410767.04	3723040.34	0.01764	410787.04
3723040.34	0.01766		
410807.04	3723040.34	0.01768	410827.04
3723040.34	0.01769		
410847.04	3723040.34	0.01771	410867.04
3723040.34	0.01773		
410887.04	3723040.34	0.01775	410907.04
3723040.34	0.01777		
410927.04	3723040.34	0.01778	410947.04
3723040.34	0.01780		
410967.04	3723040.34	0.01782	410987.04
3723040.34	0.01784		
411007.04	3723040.34	0.01786	411027.04
3723040.34	0.01788		
411047.04	3723040.34	0.01790	411067.04
3723040.34	0.01792		
411087.04	3723040.34	0.01794	411107.04
3723040.34	0.01796		
411127.04	3723040.34	0.01798	411147.04
3723040.34	0.01800		
411167.04	3723040.34	0.01802	411187.04
3723040.34	0.01804		
411207.04	3723040.34	0.01806	411227.04
3723040.34	0.01808		
410427.04	3723060.34	0.01743	410447.04
3723060.34	0.01744		
410467.04	3723060.34	0.01746	410487.04
3723060.34	0.01748		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410507.04	3723060.34	0.01750	410527.04
3723060.34	0.01751		
410547.04	3723060.34	0.01753	410567.04
3723060.34	0.01755		
410587.04	3723060.34	0.01757	410607.04
3723060.34	0.01758		
410627.04	3723060.34	0.01760	410647.04
3723060.34	0.01762		
410667.04	3723060.34	0.01764	410687.04
3723060.34	0.01765		
410707.04	3723060.34	0.01767	410727.04
3723060.34	0.01769		
410747.04	3723060.34	0.01771	410767.04
3723060.34	0.01772		
410787.04	3723060.34	0.01773	410807.04
3723060.34	0.01775		
410827.04	3723060.34	0.01776	410847.04
3723060.34	0.01778		
410867.04	3723060.34	0.01780	410887.04
3723060.34	0.01782		
410907.04	3723060.34	0.01783	410927.04
3723060.34	0.01785		

410947.04	3723060.34	0.01787	410967.04
3723060.34	0.01789		
410987.04	3723060.34	0.01791	411007.04
3723060.34	0.01793		
411027.04	3723060.34	0.01795	411047.04
3723060.34	0.01796		
411067.04	3723060.34	0.01798	411087.04
3723060.34	0.01800		
411107.04	3723060.34	0.01802	411127.04
3723060.34	0.01804		
411147.04	3723060.34	0.01807	411167.04
3723060.34	0.01809		
411187.04	3723060.34	0.01811	411207.04
3723060.34	0.01813		
411227.04	3723060.34	0.01815	411247.04
3723060.34	0.01817		
411267.04	3723060.34	0.01820	411287.04
3723060.34	0.01822		
410427.04	3723080.34	0.01749	410447.04
3723080.34	0.01751		
410467.04	3723080.34	0.01753	410487.04
3723080.34	0.01755		
410507.04	3723080.34	0.01757	410527.04
3723080.34	0.01758		
410547.04	3723080.34	0.01760	410567.04
3723080.34	0.01762		
410587.04	3723080.34	0.01764	410607.04
3723080.34	0.01765		
410627.04	3723080.34	0.01767	410647.04
3723080.34	0.01769		
410667.04	3723080.34	0.01771	410687.04
3723080.34	0.01773		
410707.04	3723080.34	0.01775	410727.04
3723080.34	0.01777		
410747.04	3723080.34	0.01778	410767.04
3723080.34	0.01779		
410787.04	3723080.34	0.01780	410807.04
3723080.34	0.01782		
410827.04	3723080.34	0.01783	410847.04
3723080.34	0.01785		
410867.04	3723080.34	0.01787	410887.04
3723080.34	0.01789		
410907.04	3723080.34	0.01790	410927.04
3723080.34	0.01793		
410947.04	3723080.34	0.01795	410967.04
3723080.34	0.01796		
410987.04	3723080.34	0.01798	411007.04
3723080.34	0.01800		
411027.04	3723080.34	0.01802	411047.04
3723080.34	0.01804		

3723100.34	0.01772			
410627.04	3723100.34	0.01774		410647.04
3723100.34	0.01776			
410667.04	3723100.34	0.01778		410687.04
3723100.34	0.01780			
410707.04	3723100.34	0.01782		410727.04
3723100.34	0.01783			
410747.04	3723100.34	0.01786		410767.04
3723100.34	0.01786			
410787.04	3723100.34	0.01788		410807.04
3723100.34	0.01790			
410827.04	3723100.34	0.01791		410847.04
3723100.34	0.01793			
410867.04	3723100.34	0.01795		410887.04
3723100.34	0.01797			
410907.04	3723100.34	0.01798		410927.04
3723100.34	0.01801			
410947.04	3723100.34	0.01803		410967.04
3723100.34	0.01804			
410987.04	3723100.34	0.01806		411007.04
3723100.34	0.01808			
411027.04	3723100.34	0.01810		411047.04
3723100.34	0.01812			
411067.04	3723100.34	0.01814		411087.04
3723100.34	0.01816			
411107.04	3723100.34	0.01818		411127.04
3723100.34	0.01820			
411147.04	3723100.34	0.01822		411167.04
3723100.34	0.01825			
411187.04	3723100.34	0.01826		411207.04
3723100.34	0.01828			
411227.04	3723100.34	0.01830		411247.04
3723100.34	0.01833			
411267.04	3723100.34	0.01834		411287.04
3723100.34	0.01837			
411307.04	3723100.34	0.01840		410427.04
3723120.34	0.01763			
410447.04	3723120.34	0.01765		410467.04
3723120.34	0.01767			
410487.04	3723120.34	0.01769		410507.04
3723120.34	0.01771			
410527.04	3723120.34	0.01773		410547.04
3723120.34	0.01775			
410567.04	3723120.34	0.01777		410587.04
3723120.34	0.01778			
410607.04	3723120.34	0.01780		410627.04
3723120.34	0.01782			
410647.04	3723120.34	0.01784		410667.04
3723120.34	0.01785			
410687.04	3723120.34	0.01787		410707.04

3723120.34	0.01789			
	410727.04	3723120.34	0.01791	410747.04
3723120.34	0.01793			
	410767.04	3723120.34	0.01794	410787.04
3723120.34	0.01795			
	410807.04	3723120.34	0.01797	410827.04
3723120.34	0.01798			
	410847.04	3723120.34	0.01801	410867.04
3723120.34	0.01803			
	410887.04	3723120.34	0.01805	410907.04
3723120.34	0.01806			
	410927.04	3723120.34	0.01808	410947.04
3723120.34	0.01810			
	410967.04	3723120.34	0.01812	410987.04
3723120.34	0.01813			
	411007.04	3723120.34	0.01816	411027.04
3723120.34	0.01818			

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
          INCLUDING SOURCE(S):  L0000001  , L0000002
, L0000003  , L0000004  , L0000005  ,
          L0000006  , L0000007  , L0000008  , L0000009  , L0000010
, L0000011  , L0000012  , L0000013  ,
          L0000014  , L0000015  , L0000016  , L0000017  , L0000018
, L0000019  , L0000020  , L0000021  ,
          L0000022  , L0000023  , L0000024  , L0000025  , L0000026
, L0000027  , L0000028  , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411047.04	3723120.34	0.01820	411067.04
3723120.34	0.01821		
411087.04	3723120.34	0.01824	411107.04
3723120.34	0.01826		

411127.04	3723120.34	0.01828	411147.04
3723120.34	0.01830		
411167.04	3723120.34	0.01832	411187.04
3723120.34	0.01834		
411207.04	3723120.34	0.01836	411227.04
3723120.34	0.01838		
411247.04	3723120.34	0.01841	411267.04
3723120.34	0.01843		
411287.04	3723120.34	0.01844	411307.04
3723120.34	0.01848		
411327.04	3723120.34	0.01850	410707.04
3723140.34	0.01797		
410727.04	3723140.34	0.01799	410747.04
3723140.34	0.01801		
410767.04	3723140.34	0.01801	410787.04
3723140.34	0.01803		
410807.04	3723140.34	0.01805	410827.04
3723140.34	0.01806		
410847.04	3723140.34	0.01809	410867.04
3723140.34	0.01811		
410887.04	3723140.34	0.01812	410907.04
3723140.34	0.01813		
410927.04	3723140.34	0.01816	410947.04
3723140.34	0.01818		
410967.04	3723140.34	0.01820	410987.04
3723140.34	0.01821		
411007.04	3723140.34	0.01824	411027.04
3723140.34	0.01826		
411047.04	3723140.34	0.01827	411067.04
3723140.34	0.01829		
411087.04	3723140.34	0.01832	411107.04
3723140.34	0.01834		
411127.04	3723140.34	0.01835	411147.04
3723140.34	0.01837		
411167.04	3723140.34	0.01840	411187.04
3723140.34	0.01842		
411207.04	3723140.34	0.01844	411227.04
3723140.34	0.01846		
411247.04	3723140.34	0.01849	411267.04
3723140.34	0.01851		
411287.04	3723140.34	0.01853	411307.04
3723140.34	0.01855		
411327.04	3723140.34	0.01858	410707.04
3723160.34	0.01805		
410727.04	3723160.34	0.01807	410747.04
3723160.34	0.01809		
410767.04	3723160.34	0.01809	410787.04
3723160.34	0.01811		
410807.04	3723160.34	0.01813	410827.04
3723160.34	0.01814		

410847.04	3723160.34	0.01816	410867.04
3723160.34	0.01818		
410887.04	3723160.34	0.01820	410907.04
3723160.34	0.01821		
410927.04	3723160.34	0.01824	410947.04
3723160.34	0.01826		
410967.04	3723160.34	0.01828	410987.04
3723160.34	0.01829		
411007.04	3723160.34	0.01832	411027.04
3723160.34	0.01834		
411047.04	3723160.34	0.01835	411067.04
3723160.34	0.01837		
411087.04	3723160.34	0.01840	411107.04
3723160.34	0.01842		
411127.04	3723160.34	0.01843	411147.04
3723160.34	0.01845		
411167.04	3723160.34	0.01848	411187.04
3723160.34	0.01850		
411207.04	3723160.34	0.01852	411227.04
3723160.34	0.01854		
411247.04	3723160.34	0.01857	411267.04
3723160.34	0.01859		
411287.04	3723160.34	0.01861	411307.04
3723160.34	0.01863		
411327.04	3723160.34	0.01865	411347.04
3723160.34	0.01868		

```

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L000001 , L000002
, L000003 , L000004 , L000005 ,
L000006 , L000007 , L000008 , L000009 , L000010
, L000011 , L000012 , L000013 ,
L000014 , L000015 , L000016 , L000017 , L000018
, L000019 , L000020 , L000021 ,
L000022 , L000023 , L000024 , L000025 , L000026
, L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	CONC	X-COORD (M)
3723180.34	411367.04	3723160.34	0.01870		410707.04
3723180.34	410727.04	3723180.34	0.01813		410747.04
3723180.34	410767.04	3723180.34	0.01817		410787.04
3723180.34	410807.04	3723180.34	0.01820		410827.04
3723180.34	410847.04	3723180.34	0.01824		410867.04
3723180.34	410887.04	3723180.34	0.01828		410907.04
3723180.34	410927.04	3723180.34	0.01832		410947.04
3723180.34	410967.04	3723180.34	0.01835		410987.04
3723180.34	411007.04	3723180.34	0.01839		411027.04
3723180.34	411047.04	3723180.34	0.01843		411067.04
3723180.34	411087.04	3723180.34	0.01847		411107.04
3723180.34	411127.04	3723180.34	0.01851		411147.04
3723180.34	411167.04	3723180.34	0.01856		411187.04
3723180.34	411207.04	3723180.34	0.01859		411227.04
3723180.34	411247.04	3723180.34	0.01865		411267.04
3723180.34	411287.04	3723180.34	0.01869		411307.04
3723180.34	411327.04	3723180.34	0.01873		411347.04
3723180.34	411367.04	3723180.34	0.01879		411387.04
3723200.34	410707.04	3723200.34	0.01820		410727.04
3723200.34	410747.04	3723200.34	0.01824		410767.04
3723200.34	410787.04	3723200.34	0.01826		410807.04
3723200.34	410827.04	3723200.34	0.01829		410847.04
3723200.34	410867.04	3723200.34	0.01834		410887.04

3723200.34	0.01836			
410907.04	3723200.34	0.01837		410927.04
3723200.34	0.01840			
410947.04	3723200.34	0.01842		410967.04
3723200.34	0.01843			
410987.04	3723200.34	0.01845		411007.04
3723200.34	0.01847			
411027.04	3723200.34	0.01850		411047.04
3723200.34	0.01852			
411067.04	3723200.34	0.01854		411087.04
3723200.34	0.01856			
411107.04	3723200.34	0.01858		411127.04
3723200.34	0.01859			
411147.04	3723200.34	0.01861		411167.04
3723200.34	0.01864			
411187.04	3723200.34	0.01866		411207.04
3723200.34	0.01868			
411227.04	3723200.34	0.01870		411247.04
3723200.34	0.01873			
411267.04	3723200.34	0.01875		411287.04
3723200.34	0.01877			
411307.04	3723200.34	0.01880		411327.04
3723200.34	0.01882			
411347.04	3723200.34	0.01884		411367.04
3723200.34	0.01887			
411387.04	3723200.34	0.01889		410707.04
3723220.34	0.01828			
410727.04	3723220.34	0.01829		410747.04
3723220.34	0.01831			
410767.04	3723220.34	0.01832		410787.04
3723220.34	0.01834			
410807.04	3723220.34	0.01836		410827.04
3723220.34	0.01837			
410847.04	3723220.34	0.01840		410867.04
3723220.34	0.01842			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018

, L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410887.04	3723220.34	0.01844	410907.04
3723220.34	0.01845		
410927.04	3723220.34	0.01848	410947.04
3723220.34	0.01850		
410967.04	3723220.34	0.01851	410987.04
3723220.34	0.01853		
411007.04	3723220.34	0.01855	411027.04
3723220.34	0.01857		
411047.04	3723220.34	0.01859	411067.04
3723220.34	0.01861		
411087.04	3723220.34	0.01863	411107.04
3723220.34	0.01865		
411127.04	3723220.34	0.01867	411147.04
3723220.34	0.01869		
411167.04	3723220.34	0.01872	411187.04
3723220.34	0.01874		
411207.04	3723220.34	0.01876	411227.04
3723220.34	0.01878		
411247.04	3723220.34	0.01881	411267.04
3723220.34	0.01883		
411287.04	3723220.34	0.01885	411307.04
3723220.34	0.01888		
411327.04	3723220.34	0.01890	411347.04
3723220.34	0.01892		
411367.04	3723220.34	0.01894	411387.04
3723220.34	0.01897		
410707.04	3723240.34	0.01835	410727.04
3723240.34	0.01837		
410747.04	3723240.34	0.01839	410767.04
3723240.34	0.01840		
410787.04	3723240.34	0.01842	410807.04
3723240.34	0.01844		
410827.04	3723240.34	0.01845	410847.04
3723240.34	0.01848		
410867.04	3723240.34	0.01850	410887.04
3723240.34	0.01852		

410907.04	3723240.34	0.01853	410927.04
3723240.34	0.01856		
410947.04	3723240.34	0.01858	410967.04
3723240.34	0.01859		
410987.04	3723240.34	0.01861	411007.04
3723240.34	0.01863		
411027.04	3723240.34	0.01865	411047.04
3723240.34	0.01867		
411067.04	3723240.34	0.01869	411087.04
3723240.34	0.01871		
411107.04	3723240.34	0.01873	411127.04
3723240.34	0.01875		
411147.04	3723240.34	0.01877	411167.04
3723240.34	0.01880		
411187.04	3723240.34	0.01882	411207.04
3723240.34	0.01884		
411227.04	3723240.34	0.01886	411247.04
3723240.34	0.01889		
411267.04	3723240.34	0.01891	411287.04
3723240.34	0.01893		
411307.04	3723240.34	0.01896	411327.04
3723240.34	0.01899		
411347.04	3723240.34	0.01901	411367.04
3723240.34	0.01902		
411387.04	3723240.34	0.01906	411407.04
3723240.34	0.01908		
410707.04	3723260.34	0.01842	410727.04
3723260.34	0.01844		
410747.04	3723260.34	0.01846	410767.04
3723260.34	0.01848		
410787.04	3723260.34	0.01850	410807.04
3723260.34	0.01851		
410827.04	3723260.34	0.01853	410847.04
3723260.34	0.01856		
410867.04	3723260.34	0.01858	410887.04
3723260.34	0.01860		
410907.04	3723260.34	0.01861	410927.04
3723260.34	0.01864		
410947.04	3723260.34	0.01866	410967.04
3723260.34	0.01868		
410987.04	3723260.34	0.01869	411007.04
3723260.34	0.01872		
411027.04	3723260.34	0.01874	411047.04
3723260.34	0.01875		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411067.04	3723260.34	0.01877	411087.04
3723260.34	0.01880		
411107.04	3723260.34	0.01882	411127.04
3723260.34	0.01884		
411147.04	3723260.34	0.01886	411167.04
3723260.34	0.01888		
411187.04	3723260.34	0.01890	411207.04
3723260.34	0.01892		
411227.04	3723260.34	0.01895	411247.04
3723260.34	0.01898		
411267.04	3723260.34	0.01900	411287.04
3723260.34	0.01901		
411307.04	3723260.34	0.01904	411327.04
3723260.34	0.01907		
411347.04	3723260.34	0.01909	411367.04
3723260.34	0.01911		
411387.04	3723260.34	0.01913	411407.04
3723260.34	0.01916		
410707.04	3723280.34	0.01850	410727.04
3723280.34	0.01852		
410747.04	3723280.34	0.01854	410767.04
3723280.34	0.01856		
410787.04	3723280.34	0.01858	410807.04
3723280.34	0.01860		
410827.04	3723280.34	0.01861	410847.04
3723280.34	0.01864		
410867.04	3723280.34	0.01866	410887.04

3723280.34	0.01868			
410907.04	3723280.34	0.01869		410927.04
3723280.34	0.01872			
410947.04	3723280.34	0.01874		410967.04
3723280.34	0.01876			
410987.04	3723280.34	0.01877		411007.04
3723280.34	0.01880			
411027.04	3723280.34	0.01882		411047.04
3723280.34	0.01884			
411067.04	3723280.34	0.01885		411087.04
3723280.34	0.01888			
411107.04	3723280.34	0.01890		411127.04
3723280.34	0.01892			
411147.04	3723280.34	0.01894		411167.04
3723280.34	0.01897			
411187.04	3723280.34	0.01899		411207.04
3723280.34	0.01901			
411227.04	3723280.34	0.01903		411247.04
3723280.34	0.01906			
411267.04	3723280.34	0.01908		411287.04
3723280.34	0.01910			
411307.04	3723280.34	0.01913		411327.04
3723280.34	0.01915			
411347.04	3723280.34	0.01917		411367.04
3723280.34	0.01919			
411387.04	3723280.34	0.01921		411407.04
3723280.34	0.01924			
410707.04	3723300.34	0.01859		410727.04
3723300.34	0.01860			
410747.04	3723300.34	0.01863		410767.04
3723300.34	0.01864			
410787.04	3723300.34	0.01866		410807.04
3723300.34	0.01868			
410827.04	3723300.34	0.01869		410847.04
3723300.34	0.01872			
410867.04	3723300.34	0.01874		410887.04
3723300.34	0.01876			
410907.04	3723300.34	0.01877		410927.04
3723300.34	0.01879			
410947.04	3723300.34	0.01882		410967.04
3723300.34	0.01883			
410987.04	3723300.34	0.01885		411007.04
3723300.34	0.01888			
411027.04	3723300.34	0.01890		411047.04
3723300.34	0.01892			
411067.04	3723300.34	0.01894		411087.04
3723300.34	0.01896			
411107.04	3723300.34	0.01898		411127.04
3723300.34	0.01900			
411147.04	3723300.34	0.01902		411167.04

3723300.34 0.01905
 411187.04 3723300.34 0.01907 411207.04

3723300.34 0.01909

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
411227.04	3723300.34	0.01911	411247.04
3723300.34	0.01914		
411267.04	3723300.34	0.01916	411287.04
3723300.34	0.01918		
411307.04	3723300.34	0.01921	411327.04
3723300.34	0.01924		
411347.04	3723300.34	0.01926	411367.04
3723300.34	0.01928		
411387.04	3723300.34	0.01930	411407.04
3723300.34	0.01933		
411427.04	3723300.34	0.01936	411447.04
3723300.34	0.01939		
410707.04	3723320.34	0.01867	410727.04
3723320.34	0.01868		
410747.04	3723320.34	0.01871	410767.04
3723320.34	0.01872		
410787.04	3723320.34	0.01874	410807.04
3723320.34	0.01876		

410827.04	3723320.34	0.01877	410847.04
3723320.34	0.01880		
410867.04	3723320.34	0.01882	410887.04
3723320.34	0.01884		
410907.04	3723320.34	0.01886	410927.04
3723320.34	0.01888		
410947.04	3723320.34	0.01890	410967.04
3723320.34	0.01892		
410987.04	3723320.34	0.01894	411007.04
3723320.34	0.01897		
411027.04	3723320.34	0.01899	411047.04
3723320.34	0.01900		
411067.04	3723320.34	0.01902	411087.04
3723320.34	0.01905		
411107.04	3723320.34	0.01906	411127.04
3723320.34	0.01908		
411147.04	3723320.34	0.01911	411167.04
3723320.34	0.01913		
411187.04	3723320.34	0.01916	411207.04
3723320.34	0.01918		
411227.04	3723320.34	0.01920	411247.04
3723320.34	0.01922		
411267.04	3723320.34	0.01925	411287.04
3723320.34	0.01927		
411307.04	3723320.34	0.01929	411327.04
3723320.34	0.01932		
411347.04	3723320.34	0.01935	411367.04
3723320.34	0.01937		
411387.04	3723320.34	0.01939	411407.04
3723320.34	0.01941		
411427.04	3723320.34	0.01944	411447.04
3723320.34	0.01947		
411467.04	3723320.34	0.01950	411487.04
3723320.34	0.01953		
410707.04	3723340.34	0.01875	410727.04
3723340.34	0.01876		
410747.04	3723340.34	0.01879	410767.04
3723340.34	0.01880		
410787.04	3723340.34	0.01882	410807.04
3723340.34	0.01885		
410827.04	3723340.34	0.01886	410847.04
3723340.34	0.01889		
410867.04	3723340.34	0.01891	410887.04
3723340.34	0.01893		
410907.04	3723340.34	0.01895	410927.04
3723340.34	0.01897		
410947.04	3723340.34	0.01899	410967.04
3723340.34	0.01901		
410987.04	3723340.34	0.01902	411007.04
3723340.34	0.01905		

3723340.34	0.01956		
411467.04	3723340.34	0.01959	411487.04
3723340.34	0.01961		
410707.04	3723360.34	0.01883	410727.04
3723360.34	0.01885		
410747.04	3723360.34	0.01887	410767.04
3723360.34	0.01888		
410787.04	3723360.34	0.01891	410807.04
3723360.34	0.01893		
410827.04	3723360.34	0.01894	410847.04
3723360.34	0.01897		
410867.04	3723360.34	0.01899	410887.04
3723360.34	0.01901		
410907.04	3723360.34	0.01903	410927.04
3723360.34	0.01905		
410947.04	3723360.34	0.01907	410967.04
3723360.34	0.01909		
410987.04	3723360.34	0.01911	411007.04
3723360.34	0.01914		
411027.04	3723360.34	0.01916	411047.04
3723360.34	0.01917		
411067.04	3723360.34	0.01919	411087.04
3723360.34	0.01922		
411107.04	3723360.34	0.01924	411127.04
3723360.34	0.01926		
411147.04	3723360.34	0.01928	411167.04
3723360.34	0.01930		
411187.04	3723360.34	0.01933	411207.04
3723360.34	0.01935		
411227.04	3723360.34	0.01938	411247.04
3723360.34	0.01940		
411267.04	3723360.34	0.01942	411287.04
3723360.34	0.01945		
411307.04	3723360.34	0.01947	411327.04
3723360.34	0.01949		
411347.04	3723360.34	0.01952	411367.04
3723360.34	0.01954		
411387.04	3723360.34	0.01957	411407.04
3723360.34	0.01959		
411427.04	3723360.34	0.01961	411447.04
3723360.34	0.01965		
411467.04	3723360.34	0.01967	411487.04
3723360.34	0.01970		
410707.04	3723380.34	0.01891	410727.04
3723380.34	0.01893		
410747.04	3723380.34	0.01896	410767.04
3723380.34	0.01897		
410787.04	3723380.34	0.01899	410807.04
3723380.34	0.01901		
410827.04	3723380.34	0.01903	410847.04


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3723380.34      0.01905
      410867.04      3723380.34      0.01907      410887.04
3723380.34      0.01909
      410907.04      3723380.34      0.01911      410927.04
3723380.34      0.01913
      410947.04      3723380.34      0.01915      410967.04
3723380.34      0.01917
      410987.04      3723380.34      0.01919      411007.04
3723380.34      0.01922
      411027.04      3723380.34      0.01924      411047.04
3723380.34      0.01926
      411067.04      3723380.34      0.01928      411087.04
3723380.34      0.01931
      411107.04      3723380.34      0.01932      411127.04
3723380.34      0.01934
      411147.04      3723380.34      0.01937      411167.04
3723380.34      0.01939
      411187.04      3723380.34      0.01941      411207.04
3723380.34      0.01944
      411227.04      3723380.34      0.01946      411247.04
3723380.34      0.01948

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***                               05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***                               16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S):      L0000001      , L0000002
, L0000003      , L0000004      , L0000005      ,
      L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
      L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
      L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

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      X-COORD (M)      Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
-----
-----

```

411267.04	3723380.34	0.01950	411287.04
3723380.34	0.01953		
411307.04	3723380.34	0.01955	411327.04
3723380.34	0.01957		
411347.04	3723380.34	0.01960	411367.04
3723380.34	0.01962		
411387.04	3723380.34	0.01965	411407.04
3723380.34	0.01968		
411427.04	3723380.34	0.01970	411447.04
3723380.34	0.01973		
411467.04	3723380.34	0.01976	411487.04
3723380.34	0.01978		
411507.04	3723380.34	0.01981	411527.04
3723380.34	0.01984		
411547.04	3723380.34	0.01987	411567.04
3723380.34	0.01991		
411587.04	3723380.34	0.01999	411607.04
3723380.34	0.01998		
410707.04	3723400.34	0.01900	410727.04
3723400.34	0.01901		
410747.04	3723400.34	0.01904	410767.04
3723400.34	0.01905		
410787.04	3723400.34	0.01907	410807.04
3723400.34	0.01910		
410827.04	3723400.34	0.01912	410847.04
3723400.34	0.01914		
410867.04	3723400.34	0.01916	410887.04
3723400.34	0.01918		
410907.04	3723400.34	0.01920	410927.04
3723400.34	0.01922		
410947.04	3723400.34	0.01924	410967.04
3723400.34	0.01926		
410987.04	3723400.34	0.01928	411007.04
3723400.34	0.01931		
411027.04	3723400.34	0.01933	411047.04
3723400.34	0.01935		
411067.04	3723400.34	0.01937	411087.04
3723400.34	0.01939		
411107.04	3723400.34	0.01941	411127.04
3723400.34	0.01943		
411147.04	3723400.34	0.01945	411167.04
3723400.34	0.01948		
411187.04	3723400.34	0.01951	411207.04
3723400.34	0.01953		
411227.04	3723400.34	0.01955	411247.04
3723400.34	0.01957		
411267.04	3723400.34	0.01960	411287.04
3723400.34	0.01962		
411307.04	3723400.34	0.01965	411327.04
3723400.34	0.01967		

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411027.04	3723420.34	0.01941	411047.04
3723420.34	0.01943		
411067.04	3723420.34	0.01945	411087.04
3723420.34	0.01948		
411107.04	3723420.34	0.01949	411127.04
3723420.34	0.01951		
411147.04	3723420.34	0.01953	411167.04
3723420.34	0.01956		
411187.04	3723420.34	0.01959	411207.04
3723420.34	0.01961		
411227.04	3723420.34	0.01964	411247.04
3723420.34	0.01966		
411267.04	3723420.34	0.01968	411287.04
3723420.34	0.01970		
411307.04	3723420.34	0.01973	411327.04
3723420.34	0.01975		
411347.04	3723420.34	0.01978	411367.04
3723420.34	0.01980		
411387.04	3723420.34	0.01983	411407.04
3723420.34	0.01985		
411427.04	3723420.34	0.01988	411447.04
3723420.34	0.01991		
411467.04	3723420.34	0.01993	411487.04
3723420.34	0.01996		
411507.04	3723420.34	0.01999	411527.04
3723420.34	0.02002		
411547.04	3723420.34	0.02005	411567.04
3723420.34	0.02008		
411587.04	3723420.34	0.02015	411607.04
3723420.34	0.02020		
410707.04	3723440.34	0.01916	410727.04
3723440.34	0.01918		
410747.04	3723440.34	0.01921	410767.04
3723440.34	0.01922		
410787.04	3723440.34	0.01925	410807.04
3723440.34	0.01927		
410827.04	3723440.34	0.01929	410847.04
3723440.34	0.01932		
410867.04	3723440.34	0.01933	410887.04
3723440.34	0.01935		
410907.04	3723440.34	0.01937	410927.04

3723440.34	0.01939			
410947.04	3723440.34	0.01942		410967.04
3723440.34	0.01944			
410987.04	3723440.34	0.01945		411007.04
3723440.34	0.01948			
411027.04	3723440.34	0.01950		411047.04
3723440.34	0.01951			
411067.04	3723440.34	0.01953		411087.04
3723440.34	0.01956			
411107.04	3723440.34	0.01958		411127.04
3723440.34	0.01960			
411147.04	3723440.34	0.01962		411167.04
3723440.34	0.01965			
411187.04	3723440.34	0.01967		411207.04
3723440.34	0.01970			
411227.04	3723440.34	0.01972		411247.04
3723440.34	0.01974			
411267.04	3723440.34	0.01977		411287.04
3723440.34	0.01979			
411307.04	3723440.34	0.01981		411327.04
3723440.34	0.01984			
411347.04	3723440.34	0.01986		411367.04
3723440.34	0.01989			
411387.04	3723440.34	0.01991		411407.04
3723440.34	0.01994			
411427.04	3723440.34	0.01996		411447.04
3723440.34	0.01999			
411467.04	3723440.34	0.02002		411487.04
3723440.34	0.02005			
411507.04	3723440.34	0.02008		411527.04
3723440.34	0.02011			
411547.04	3723440.34	0.02014		411567.04
3723440.34	0.02016			
411587.04	3723440.34	0.02023		411607.04
3723440.34	0.02030			
410707.04	3723460.34	0.01924		410727.04
3723460.34	0.01926			
410747.04	3723460.34	0.01928		410767.04
3723460.34	0.01931			

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                                     ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
                                     ***      16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S):      L0000001      , L0000002

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, L0000003      , L0000004      , L0000005      ,
                  L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
                  L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
                  L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410787.04	3723460.34	0.01933	410807.04
3723460.34	0.01936		
410827.04	3723460.34	0.01937	410847.04
3723460.34	0.01940		
410867.04	3723460.34	0.01942	410887.04
3723460.34	0.01944		
410907.04	3723460.34	0.01945	410927.04
3723460.34	0.01948		
410947.04	3723460.34	0.01951	410967.04
3723460.34	0.01952		
410987.04	3723460.34	0.01954	411007.04
3723460.34	0.01957		
411027.04	3723460.34	0.01958	411047.04
3723460.34	0.01960		
411067.04	3723460.34	0.01962	411087.04
3723460.34	0.01965		
411107.04	3723460.34	0.01967	411127.04
3723460.34	0.01969		
411147.04	3723460.34	0.01971	411167.04
3723460.34	0.01974		
411187.04	3723460.34	0.01976	411207.04
3723460.34	0.01979		
411227.04	3723460.34	0.01982	411247.04
3723460.34	0.01984		
411267.04	3723460.34	0.01987	411287.04
3723460.34	0.01989		
411307.04	3723460.34	0.01990	411327.04
3723460.34	0.01993		
411347.04	3723460.34	0.01996	411367.04
3723460.34	0.01998		
411387.04	3723460.34	0.02001	411407.04
3723460.34	0.02004		

411427.04	3723460.34	0.02005	411447.04
3723460.34	0.02008		
411467.04	3723460.34	0.02011	411487.04
3723460.34	0.02015		
411507.04	3723460.34	0.02018	411527.04
3723460.34	0.02020		
411547.04	3723460.34	0.02023	411567.04
3723460.34	0.02026		
411587.04	3723460.34	0.02031	411607.04
3723460.34	0.02039		
410707.04	3723480.34	0.01933	410727.04
3723480.34	0.01935		
410747.04	3723480.34	0.01938	410767.04
3723480.34	0.01940		
410787.04	3723480.34	0.01942	410807.04
3723480.34	0.01945		
410827.04	3723480.34	0.01946	410847.04
3723480.34	0.01949		
410867.04	3723480.34	0.01951	410887.04
3723480.34	0.01952		
410907.04	3723480.34	0.01954	410927.04
3723480.34	0.01957		
410947.04	3723480.34	0.01959	410967.04
3723480.34	0.01961		
410987.04	3723480.34	0.01963	411007.04
3723480.34	0.01966		
411027.04	3723480.34	0.01967	411047.04
3723480.34	0.01969		
411067.04	3723480.34	0.01971	411087.04
3723480.34	0.01974		
411107.04	3723480.34	0.01976	411127.04
3723480.34	0.01978		
411147.04	3723480.34	0.01980	411167.04
3723480.34	0.01983		
411187.04	3723480.34	0.01985	411207.04
3723480.34	0.01988		
411227.04	3723480.34	0.01991	411247.04
3723480.34	0.01993		
411267.04	3723480.34	0.01996	411287.04
3723480.34	0.01998		
411307.04	3723480.34	0.01999	411327.04
3723480.34	0.02002		
411347.04	3723480.34	0.02005	411367.04
3723480.34	0.02008		
411387.04	3723480.34	0.02010	411407.04
3723480.34	0.02013		
411427.04	3723480.34	0.02015	411447.04
3723480.34	0.02017		

▲ *** AERMOD - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411467.04	3723480.34	0.02020	411487.04
3723480.34	0.02024		
411507.04	3723480.34	0.02027	411527.04
3723480.34	0.02030		
411547.04	3723480.34	0.02033	411567.04
3723480.34	0.02035		
411587.04	3723480.34	0.02039	411607.04
3723480.34	0.02047		
410707.04	3723500.34	0.01942	410727.04
3723500.34	0.01945		
410747.04	3723500.34	0.01947	410767.04
3723500.34	0.01948		
410787.04	3723500.34	0.01951	410807.04
3723500.34	0.01953		
410827.04	3723500.34	0.01955	410847.04
3723500.34	0.01958		
410867.04	3723500.34	0.01960	410887.04
3723500.34	0.01961		
410907.04	3723500.34	0.01963	410927.04
3723500.34	0.01966		
410947.04	3723500.34	0.01968	410967.04
3723500.34	0.01970		
410987.04	3723500.34	0.01972	411007.04

3723500.34	0.01974		
411027.04	3723500.34	0.01976	411047.04
3723500.34	0.01978		
411067.04	3723500.34	0.01980	411087.04
3723500.34	0.01983		
411107.04	3723500.34	0.01985	411127.04
3723500.34	0.01987		
411147.04	3723500.34	0.01989	411167.04
3723500.34	0.01992		
411187.04	3723500.34	0.01994	411207.04
3723500.34	0.01998		
411227.04	3723500.34	0.02000	411247.04
3723500.34	0.02002		
411267.04	3723500.34	0.02005	411287.04
3723500.34	0.02007		
411307.04	3723500.34	0.02009	411327.04
3723500.34	0.02012		
411347.04	3723500.34	0.02014	411367.04
3723500.34	0.02017		
411387.04	3723500.34	0.02019	411407.04
3723500.34	0.02022		
411427.04	3723500.34	0.02024	411447.04
3723500.34	0.02027		
411467.04	3723500.34	0.02029	411487.04
3723500.34	0.02033		
411507.04	3723500.34	0.02036	411527.04
3723500.34	0.02039		
411547.04	3723500.34	0.02042	411567.04
3723500.34	0.02045		
411587.04	3723500.34	0.02048	411607.04
3723500.34	0.02055		
410707.04	3723520.34	0.01951	410727.04
3723520.34	0.01953		
410747.04	3723520.34	0.01955	410767.04
3723520.34	0.01957		
410787.04	3723520.34	0.01960	410807.04
3723520.34	0.01962		
410827.04	3723520.34	0.01964	410847.04
3723520.34	0.01967		
410867.04	3723520.34	0.01969	410887.04
3723520.34	0.01970		
410907.04	3723520.34	0.01972	410927.04
3723520.34	0.01975		
410947.04	3723520.34	0.01977	410967.04
3723520.34	0.01979		
410987.04	3723520.34	0.01981	411007.04
3723520.34	0.01983		
411027.04	3723520.34	0.01985	411047.04
3723520.34	0.01987		
411067.04	3723520.34	0.01989	411087.04

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3723520.34      0.01992
      411107.04      3723520.34      0.01994      411127.04
3723520.34      0.01996
      411147.04      3723520.34      0.01998      411167.04
3723520.34      0.02001
      411187.04      3723520.34      0.02004      411207.04
3723520.34      0.02007

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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      *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1      ***
      INCLUDING SOURCE(S):      L0000001      , L0000002
, L0000003      , L0000004      , L0000005      ,
      L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
      L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
      L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
411227.04	3723520.34	0.02010	411247.04
3723520.34	0.02012		
411267.04	3723520.34	0.02014	411287.04
3723520.34	0.02016		
411307.04	3723520.34	0.02018	411327.04
3723520.34	0.02021		
411347.04	3723520.34	0.02024	411367.04
3723520.34	0.02026		
411387.04	3723520.34	0.02029	411407.04
3723520.34	0.02032		
411427.04	3723520.34	0.02034	411447.04
3723520.34	0.02037		
411467.04	3723520.34	0.02040	411487.04
3723520.34	0.02044		

411507.04	3723520.34	0.02047	411527.04
3723520.34	0.02049		
411547.04	3723520.34	0.02051	411567.04
3723520.34	0.02054		
411587.04	3723520.34	0.02057	411607.04
3723520.34	0.02063		
410707.04	3723540.34	0.01959	410727.04
3723540.34	0.01961		
410747.04	3723540.34	0.01964	410767.04
3723540.34	0.01966		
410787.04	3723540.34	0.01969	410807.04
3723540.34	0.01971		
410827.04	3723540.34	0.01973	410847.04
3723540.34	0.01976		
410867.04	3723540.34	0.01978	410887.04
3723540.34	0.01979		
410907.04	3723540.34	0.01981	410927.04
3723540.34	0.01984		
410947.04	3723540.34	0.01986	410967.04
3723540.34	0.01988		
410987.04	3723540.34	0.01990	411007.04
3723540.34	0.01993		
411027.04	3723540.34	0.01994	411047.04
3723540.34	0.01996		
411067.04	3723540.34	0.01998	411087.04
3723540.34	0.02001		
411107.04	3723540.34	0.02003	411127.04
3723540.34	0.02005		
411147.04	3723540.34	0.02007	411167.04
3723540.34	0.02010		
411187.04	3723540.34	0.02013	411207.04
3723540.34	0.02016		
411227.04	3723540.34	0.02019	411247.04
3723540.34	0.02021		
411267.04	3723540.34	0.02023	411287.04
3723540.34	0.02025		
411307.04	3723540.34	0.02027	411327.04
3723540.34	0.02030		
411347.04	3723540.34	0.02033	411367.04
3723540.34	0.02036		
411387.04	3723540.34	0.02038	411407.04
3723540.34	0.02041		
411427.04	3723540.34	0.02043	411447.04
3723540.34	0.02046		
411467.04	3723540.34	0.02049	411487.04
3723540.34	0.02052		
411507.04	3723540.34	0.02056	411527.04
3723540.34	0.02058		
411547.04	3723540.34	0.02061	411567.04
3723540.34	0.02064		

411587.04	3723540.34	0.02067	411607.04
3723540.34	0.02071		
410707.04	3723560.34	0.01969	410727.04
3723560.34	0.01971		
410747.04	3723560.34	0.01973	410767.04
3723560.34	0.01975		
410787.04	3723560.34	0.01978	410807.04
3723560.34	0.01980		
410827.04	3723560.34	0.01982	410847.04
3723560.34	0.01985		
410867.04	3723560.34	0.01986	410887.04
3723560.34	0.01988		
410907.04	3723560.34	0.01990	410927.04
3723560.34	0.01993		
410947.04	3723560.34	0.01995	410967.04
3723560.34	0.01997		

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*** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S):      L0000001      , L0000002
, L0000003      , L0000004      , L0000005      ,
      L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
      L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
      L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410987.04	3723560.34	0.01999	411007.04
3723560.34	0.02002		
411027.04	3723560.34	0.02004	411047.04
3723560.34	0.02005		
411067.04	3723560.34	0.02007	411087.04

3723560.34	0.02010		
411107.04	3723560.34	0.02013	411127.04
3723560.34	0.02014		
411147.04	3723560.34	0.02017	411167.04
3723560.34	0.02020		
411187.04	3723560.34	0.02022	411207.04
3723560.34	0.02026		
411227.04	3723560.34	0.02028	411247.04
3723560.34	0.02031		
411267.04	3723560.34	0.02033	411287.04
3723560.34	0.02035		
411307.04	3723560.34	0.02037	411327.04
3723560.34	0.02040		
411347.04	3723560.34	0.02043	411367.04
3723560.34	0.02045		
411387.04	3723560.34	0.02048	411407.04
3723560.34	0.02051		
411427.04	3723560.34	0.02052	411447.04
3723560.34	0.02055		
411467.04	3723560.34	0.02058	411487.04
3723560.34	0.02062		
411507.04	3723560.34	0.02064	411527.04
3723560.34	0.02067		
411547.04	3723560.34	0.02071	411567.04
3723560.34	0.02074		
411587.04	3723560.34	0.02076	411607.04
3723560.34	0.02080		
410707.04	3723580.34	0.01978	410727.04
3723580.34	0.01980		
410747.04	3723580.34	0.01983	410767.04
3723580.34	0.01984		
410787.04	3723580.34	0.01986	410807.04
3723580.34	0.01989		
410827.04	3723580.34	0.01990	410847.04
3723580.34	0.01993		
410867.04	3723580.34	0.01995	410887.04
3723580.34	0.01997		
410907.04	3723580.34	0.01999	410927.04
3723580.34	0.02001		
410947.04	3723580.34	0.02004	410967.04
3723580.34	0.02006		
410987.04	3723580.34	0.02008	411007.04
3723580.34	0.02010		
411027.04	3723580.34	0.02012	411047.04
3723580.34	0.02014		
411067.04	3723580.34	0.02016	411087.04
3723580.34	0.02019		
411107.04	3723580.34	0.02021	411127.04
3723580.34	0.02023		
411147.04	3723580.34	0.02026	411167.04

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3723600.34	410747.04	3723600.34	0.01991	410767.04
3723600.34	410787.04	3723600.34	0.01996	410807.04
3723600.34	410827.04	3723600.34	0.02000	410847.04
3723600.34	410867.04	3723600.34	0.02005	410887.04
3723600.34	410907.04	3723600.34	0.02009	410927.04
3723600.34	410947.04	3723600.34	0.02013	410967.04
3723600.34	410987.04	3723600.34	0.02018	411007.04
3723600.34	411027.04	3723600.34	0.02022	411047.04
3723600.34	411067.04	3723600.34	0.02026	411087.04
3723600.34	411107.04	3723600.34	0.02031	411127.04
3723600.34	411147.04	3723600.34	0.02036	411167.04
3723600.34	411187.04	3723600.34	0.02041	411207.04
3723600.34	411227.04	3723600.34	0.02047	411247.04
3723600.34	411267.04	3723600.34	0.02052	411287.04
3723600.34	411307.04	3723600.34	0.02056	411327.04
3723600.34	411347.04	3723600.34	0.02062	411367.04
3723600.34	411387.04	3723600.34	0.02067	411407.04
3723600.34	411427.04	3723600.34	0.02072	411447.04
3723600.34	411467.04	3723600.34	0.02077	411487.04
3723600.34	411507.04	3723600.34	0.02084	411527.04
3723600.34	411547.04	3723600.34	0.02090	411567.04
3723600.34	411587.04	3723600.34	0.02096	411607.04
3723620.34	410707.04	3723620.34	0.01995	410727.04

L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411427.04	3723620.34	0.02081	411447.04
3723620.34	0.02084		
411467.04	3723620.34	0.02087	411487.04
3723620.34	0.02090		
411507.04	3723620.34	0.02093	411527.04
3723620.34	0.02096		
411547.04	3723620.34	0.02100	411567.04
3723620.34	0.02103		
411587.04	3723620.34	0.02106	411607.04
3723620.34	0.02110		
410707.04	3723640.34	0.02005	410727.04
3723640.34	0.02007		
410747.04	3723640.34	0.02010	410767.04
3723640.34	0.02012		
410787.04	3723640.34	0.02015	410807.04
3723640.34	0.02018		
410827.04	3723640.34	0.02020	410847.04
3723640.34	0.02023		
410867.04	3723640.34	0.02025	410887.04
3723640.34	0.02027		
410907.04	3723640.34	0.02030	410927.04
3723640.34	0.02032		
410947.04	3723640.34	0.02033	410967.04
3723640.34	0.02036		
410987.04	3723640.34	0.02038	411007.04
3723640.34	0.02040		
411027.04	3723640.34	0.02042	411047.04
3723640.34	0.02045		
411067.04	3723640.34	0.02046	411087.04
3723640.34	0.02049		
411107.04	3723640.34	0.02051	411127.04
3723640.34	0.02054		
411147.04	3723640.34	0.02056	411167.04
3723640.34	0.02058		
411187.04	3723640.34	0.02061	411207.04
3723640.34	0.02063		
411227.04	3723640.34	0.02065	411247.04

3723640.34	0.02068			
411267.04	3723640.34	0.02070		411287.04
3723640.34	0.02073			
411307.04	3723640.34	0.02076		411327.04
3723640.34	0.02078			
411347.04	3723640.34	0.02081		411367.04
3723640.34	0.02084			
411387.04	3723640.34	0.02086		411407.04
3723640.34	0.02089			
411427.04	3723640.34	0.02092		411447.04
3723640.34	0.02094			
411467.04	3723640.34	0.02098		411487.04
3723640.34	0.02101			
411507.04	3723640.34	0.02104		411527.04
3723640.34	0.02107			
411547.04	3723640.34	0.02111		411567.04
3723640.34	0.02113			
411587.04	3723640.34	0.02117		411607.04
3723640.34	0.02120			
410707.04	3723660.34	0.02015		410727.04
3723660.34	0.02017			
410747.04	3723660.34	0.02020		410767.04
3723660.34	0.02021			
410787.04	3723660.34	0.02024		410807.04
3723660.34	0.02027			
410827.04	3723660.34	0.02029		410847.04
3723660.34	0.02032			
410867.04	3723660.34	0.02034		410887.04
3723660.34	0.02036			
410907.04	3723660.34	0.02039		410927.04
3723660.34	0.02041			
410947.04	3723660.34	0.02042		410967.04
3723660.34	0.02044			
410987.04	3723660.34	0.02047		411007.04
3723660.34	0.02049			
411027.04	3723660.34	0.02051		411047.04
3723660.34	0.02054			
411067.04	3723660.34	0.02056		411087.04
3723660.34	0.02058			
411107.04	3723660.34	0.02060		411127.04
3723660.34	0.02063			
411147.04	3723660.34	0.02065		411167.04
3723660.34	0.02067			

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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411187.04	3723660.34	0.02070	411207.04
3723660.34	0.02072		
411227.04	3723660.34	0.02075	411247.04
3723660.34	0.02078		
411267.04	3723660.34	0.02081	411287.04
3723660.34	0.02084		
411307.04	3723660.34	0.02086	411327.04
3723660.34	0.02089		
411347.04	3723660.34	0.02092	411367.04
3723660.34	0.02094		
411387.04	3723660.34	0.02097	411407.04
3723660.34	0.02100		
411427.04	3723660.34	0.02102	411447.04
3723660.34	0.02104		
411467.04	3723660.34	0.02108	411487.04
3723660.34	0.02112		
411507.04	3723660.34	0.02115	411527.04
3723660.34	0.02118		
411547.04	3723660.34	0.02121	411567.04
3723660.34	0.02124		
411587.04	3723660.34	0.02127	411607.04
3723660.34	0.02130		
410907.04	3723680.34	0.02049	410927.04
3723680.34	0.02051		
410947.04	3723680.34	0.02053	410967.04
3723680.34	0.02055		
410987.04	3723680.34	0.02057	411007.04
3723680.34	0.02059		

411027.04	3723680.34	0.02062	411047.04
3723680.34	0.02064		
411067.04	3723680.34	0.02066	411087.04
3723680.34	0.02068		
411107.04	3723680.34	0.02071	411127.04
3723680.34	0.02073		
411147.04	3723680.34	0.02075	411167.04
3723680.34	0.02078		
411187.04	3723680.34	0.02080	411207.04
3723680.34	0.02082		
411227.04	3723680.34	0.02085	411247.04
3723680.34	0.02088		
411267.04	3723680.34	0.02091	411287.04
3723680.34	0.02094		
411307.04	3723680.34	0.02096	411327.04
3723680.34	0.02099		
411347.04	3723680.34	0.02102	411367.04
3723680.34	0.02105		
411387.04	3723680.34	0.02107	411407.04
3723680.34	0.02110		
411427.04	3723680.34	0.02113	411447.04
3723680.34	0.02115		
411467.04	3723680.34	0.02119	411487.04
3723680.34	0.02122		
411507.04	3723680.34	0.02124	411527.04
3723680.34	0.02128		
411547.04	3723680.34	0.02131	411567.04
3723680.34	0.02134		
411587.04	3723680.34	0.02137	411607.04
3723680.34	0.02141		
410907.04	3723700.34	0.02059	410927.04
3723700.34	0.02061		
410947.04	3723700.34	0.02063	410967.04
3723700.34	0.02065		
410987.04	3723700.34	0.02067	411007.04
3723700.34	0.02069		
411027.04	3723700.34	0.02072	411047.04
3723700.34	0.02074		
411067.04	3723700.34	0.02076	411087.04
3723700.34	0.02079		
411107.04	3723700.34	0.02081	411127.04
3723700.34	0.02083		
411147.04	3723700.34	0.02086	411167.04
3723700.34	0.02088		
411187.04	3723700.34	0.02090	411207.04
3723700.34	0.02092		
411227.04	3723700.34	0.02095	411247.04
3723700.34	0.02098		
411267.04	3723700.34	0.02101	411287.04
3723700.34	0.02104		

411307.04 3723700.34 0.02107 411327.04
 3723700.34 0.02109
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 *** 05/26/20
 *** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411347.04	3723700.34	0.02112	411367.04
3723700.34	0.02114		
411387.04	3723700.34	0.02117	411407.04
3723700.34	0.02120		
411427.04	3723700.34	0.02123	411447.04
3723700.34	0.02125		
411467.04	3723700.34	0.02128	411487.04
3723700.34	0.02132		
411507.04	3723700.34	0.02135	411527.04
3723700.34	0.02138		
411547.04	3723700.34	0.02142	411567.04
3723700.34	0.02144		
411587.04	3723700.34	0.02148	411607.04
3723700.34	0.02151		
410907.04	3723720.34	0.02068	410927.04
3723720.34	0.02070		
410947.04	3723720.34	0.02072	410967.04
3723720.34	0.02074		
410987.04	3723720.34	0.02076	411007.04

3723720.34	0.02079		
411027.04	3723720.34	0.02081	411047.04
3723720.34	0.02083		
411067.04	3723720.34	0.02087	411087.04
3723720.34	0.02089		
411107.04	3723720.34	0.02091	411127.04
3723720.34	0.02093		
411147.04	3723720.34	0.02096	411167.04
3723720.34	0.02098		
411187.04	3723720.34	0.02100	411207.04
3723720.34	0.02102		
411227.04	3723720.34	0.02105	411247.04
3723720.34	0.02108		
411267.04	3723720.34	0.02111	411287.04
3723720.34	0.02114		
411307.04	3723720.34	0.02117	411327.04
3723720.34	0.02119		
411347.04	3723720.34	0.02122	411367.04
3723720.34	0.02125		
411387.04	3723720.34	0.02127	411407.04
3723720.34	0.02130		
411427.04	3723720.34	0.02133	411447.04
3723720.34	0.02135		
411467.04	3723720.34	0.02139	411487.04
3723720.34	0.02142		
411507.04	3723720.34	0.02145	411527.04
3723720.34	0.02149		
411547.04	3723720.34	0.02152	411567.04
3723720.34	0.02155		
411587.04	3723720.34	0.02158	411607.04
3723720.34	0.02162		
410907.04	3723740.34	0.02078	410927.04
3723740.34	0.02080		
410947.04	3723740.34	0.02083	410967.04
3723740.34	0.02085		
410987.04	3723740.34	0.02087	411007.04
3723740.34	0.02089		
411027.04	3723740.34	0.02091	411047.04
3723740.34	0.02093		
411067.04	3723740.34	0.02096	411087.04
3723740.34	0.02099		
411107.04	3723740.34	0.02101	411127.04
3723740.34	0.02103		
411147.04	3723740.34	0.02106	411167.04
3723740.34	0.02109		
411187.04	3723740.34	0.02110	411207.04
3723740.34	0.02112		
411227.04	3723740.34	0.02116	411247.04
3723740.34	0.02118		
411267.04	3723740.34	0.02121	411287.04

410987.04	3723760.34	0.02097	411007.04
3723760.34	0.02099		
411027.04	3723760.34	0.02101	411047.04
3723760.34	0.02104		
411067.04	3723760.34	0.02106	411087.04
3723760.34	0.02109		
411107.04	3723760.34	0.02111	411127.04
3723760.34	0.02113		
411147.04	3723760.34	0.02116	411167.04
3723760.34	0.02119		
411187.04	3723760.34	0.02121	411207.04
3723760.34	0.02123		
411227.04	3723760.34	0.02126	411247.04
3723760.34	0.02129		
411267.04	3723760.34	0.02132	411287.04
3723760.34	0.02134		
411307.04	3723760.34	0.02137	411327.04
3723760.34	0.02140		
411347.04	3723760.34	0.02143	411367.04
3723760.34	0.02146		
411387.04	3723760.34	0.02149	411407.04
3723760.34	0.02151		
411427.04	3723760.34	0.02155	411447.04
3723760.34	0.02158		
411467.04	3723760.34	0.02161	411487.04
3723760.34	0.02164		
411507.04	3723760.34	0.02167	411527.04
3723760.34	0.02170		
411547.04	3723760.34	0.02173	411567.04
3723760.34	0.02176		
411587.04	3723760.34	0.02179	411607.04
3723760.34	0.02183		
410907.04	3723780.34	0.02098	410927.04
3723780.34	0.02100		
410947.04	3723780.34	0.02102	410967.04
3723780.34	0.02105		
410987.04	3723780.34	0.02107	411007.04
3723780.34	0.02110		
411027.04	3723780.34	0.02112	411047.04
3723780.34	0.02114		
411067.04	3723780.34	0.02117	411087.04
3723780.34	0.02119		
411107.04	3723780.34	0.02122	411127.04
3723780.34	0.02123		
411147.04	3723780.34	0.02126	411167.04
3723780.34	0.02129		
411187.04	3723780.34	0.02132	411207.04
3723780.34	0.02133		
411227.04	3723780.34	0.02137	411247.04
3723780.34	0.02139		

3723800.34	0.02115		
410987.04	3723800.34	0.02117	411007.04
3723800.34	0.02119		
411027.04	3723800.34	0.02122	411047.04
3723800.34	0.02124		
411067.04	3723800.34	0.02127	411087.04
3723800.34	0.02129		
411107.04	3723800.34	0.02132	411127.04
3723800.34	0.02134		
411147.04	3723800.34	0.02137	411167.04
3723800.34	0.02140		
411187.04	3723800.34	0.02142	411207.04
3723800.34	0.02144		
411227.04	3723800.34	0.02147	411247.04
3723800.34	0.02150		
411267.04	3723800.34	0.02152	411287.04
3723800.34	0.02155		
411307.04	3723800.34	0.02158	411327.04
3723800.34	0.02161		
411347.04	3723800.34	0.02164	411367.04
3723800.34	0.02167		
411387.04	3723800.34	0.02170	411407.04
3723800.34	0.02172		
411427.04	3723800.34	0.02176	411447.04
3723800.34	0.02179		
411467.04	3723800.34	0.02182	411487.04
3723800.34	0.02185		
411507.04	3723800.34	0.02188	411527.04
3723800.34	0.02192		
411547.04	3723800.34	0.02195	411567.04
3723800.34	0.02197		
411587.04	3723800.34	0.02201	411607.04
3723800.34	0.02205		
410907.04	3723820.34	0.02117	410927.04
3723820.34	0.02120		
410947.04	3723820.34	0.02122	410967.04
3723820.34	0.02125		
410987.04	3723820.34	0.02127	411007.04
3723820.34	0.02130		
411027.04	3723820.34	0.02132	411047.04
3723820.34	0.02134		
411067.04	3723820.34	0.02137	411087.04
3723820.34	0.02139		
411107.04	3723820.34	0.02142	411127.04
3723820.34	0.02144		
411147.04	3723820.34	0.02147	411167.04
3723820.34	0.02150		
411187.04	3723820.34	0.02152	411207.04
3723820.34	0.02155		
411227.04	3723820.34	0.02157	411247.04

3723820.34	0.02160			
411267.04	3723820.34	0.02163		411287.04
3723820.34	0.02166			
411307.04	3723820.34	0.02168		411327.04
3723820.34	0.02171			
411347.04	3723820.34	0.02174		411367.04
3723820.34	0.02177			
411387.04	3723820.34	0.02180		411407.04
3723820.34	0.02183			
411427.04	3723820.34	0.02186		411447.04
3723820.34	0.02189			
411467.04	3723820.34	0.02192		411487.04
3723820.34	0.02195			
411507.04	3723820.34	0.02199		411527.04
3723820.34	0.02202			
411547.04	3723820.34	0.02205		411567.04
3723820.34	0.02208			
411587.04	3723820.34	0.02212		411607.04
3723820.34	0.02216			
410907.04	3723840.34	0.02128		410927.04
3723840.34	0.02130			
410947.04	3723840.34	0.02132		410967.04
3723840.34	0.02135			
410987.04	3723840.34	0.02137		411007.04
3723840.34	0.02140			
411027.04	3723840.34	0.02142		411047.04
3723840.34	0.02145			
411067.04	3723840.34	0.02147		411087.04
3723840.34	0.02150			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
          INCLUDING SOURCE(S):  L0000001  , L0000002
, L0000003  , L0000004  , L0000005  ,
          L0000006  , L0000007  , L0000008  , L0000009  , L0000010
, L0000011  , L0000012  , L0000013  ,
          L0000014  , L0000015  , L0000016  , L0000017  , L0000018
, L0000019  , L0000020  , L0000021  ,
          L0000022  , L0000023  , L0000024  , L0000025  , L0000026
, L0000027  , L0000028  , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3723840.34	411107.04	3723840.34	0.02152	411127.04
		0.02155		
3723840.34	411147.04	3723840.34	0.02158	411167.04
		0.02161		
3723840.34	411187.04	3723840.34	0.02163	411207.04
		0.02166		
3723840.34	411227.04	3723840.34	0.02169	411247.04
		0.02171		
3723840.34	411267.04	3723840.34	0.02174	411287.04
		0.02177		
3723840.34	411307.04	3723840.34	0.02180	411327.04
		0.02183		
3723840.34	411347.04	3723840.34	0.02186	411367.04
		0.02188		
3723840.34	411387.04	3723840.34	0.02191	411407.04
		0.02194		
3723840.34	411427.04	3723840.34	0.02197	411447.04
		0.02200		
3723840.34	411467.04	3723840.34	0.02203	411487.04
		0.02206		
3723840.34	411507.04	3723840.34	0.02210	411527.04
		0.02213		
3723840.34	411547.04	3723840.34	0.02216	411567.04
		0.02220		
3723840.34	411587.04	3723840.34	0.02223	411607.04
		0.02227		
3723860.34	410907.04	3723860.34	0.02138	410927.04
		0.02140		
3723860.34	410947.04	3723860.34	0.02142	410967.04
		0.02145		
3723860.34	410987.04	3723860.34	0.02148	411007.04
		0.02150		
3723860.34	411027.04	3723860.34	0.02153	411047.04
		0.02155		
3723860.34	411067.04	3723860.34	0.02158	411087.04
		0.02161		
3723860.34	411107.04	3723860.34	0.02164	411127.04
		0.02167		
3723860.34	411147.04	3723860.34	0.02169	411167.04
		0.02172		
3723860.34	411187.04	3723860.34	0.02175	411207.04
		0.02177		


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, L0000011      , L0000012      , L0000013      ,
, L0000019      , L0000020      , L0000021      ,
, L0000027      , L0000028      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3723880.34	411267.04	3723880.34	0.02196	411287.04
3723880.34	411307.04	3723880.34	0.02202	411327.04
3723880.34	411347.04	3723880.34	0.02207	411367.04
3723880.34	411387.04	3723880.34	0.02213	411407.04
3723880.34	411427.04	3723880.34	0.02219	411447.04
3723880.34	411467.04	3723880.34	0.02226	411487.04
3723880.34	411507.04	3723880.34	0.02232	411527.04
3723880.34	411547.04	3723880.34	0.02239	411567.04
3723880.34	411587.04	3723880.34	0.02245	411607.04
3723900.34	410907.04	3723900.34	0.02159	410927.04
3723900.34	410947.04	3723900.34	0.02164	410967.04
3723900.34	410987.04	3723900.34	0.02169	411007.04
3723900.34	411027.04	3723900.34	0.02175	411047.04
3723900.34	411067.04	3723900.34	0.02180	411087.04
3723900.34	411107.04	3723900.34	0.02185	411127.04
3723900.34	411147.04	3723900.34	0.02192	411167.04
3723900.34	411187.04	3723900.34	0.02197	411207.04

3723900.34	0.02200			
411227.04	3723900.34	0.02203		411247.04
3723900.34	0.02205			
411267.04	3723900.34	0.02208		411287.04
3723900.34	0.02211			
411307.04	3723900.34	0.02213		411327.04
3723900.34	0.02216			
411347.04	3723900.34	0.02219		411367.04
3723900.34	0.02222			
411387.04	3723900.34	0.02225		411407.04
3723900.34	0.02227			
411427.04	3723900.34	0.02230		411447.04
3723900.34	0.02234			
411467.04	3723900.34	0.02237		411487.04
3723900.34	0.02240			
411507.04	3723900.34	0.02243		411527.04
3723900.34	0.02246			
411547.04	3723900.34	0.02250		411567.04
3723900.34	0.02254			
411587.04	3723900.34	0.02257		411607.04
3723900.34	0.02261			
410907.04	3723920.34	0.02170		410927.04
3723920.34	0.02173			
410947.04	3723920.34	0.02175		410967.04
3723920.34	0.02177			
410987.04	3723920.34	0.02180		411007.04
3723920.34	0.02183			
411027.04	3723920.34	0.02186		411047.04
3723920.34	0.02188			
411067.04	3723920.34	0.02191		411087.04
3723920.34	0.02194			
411107.04	3723920.34	0.02196		411127.04
3723920.34	0.02200			
411147.04	3723920.34	0.02203		411167.04
3723920.34	0.02206			
411187.04	3723920.34	0.02208		411207.04
3723920.34	0.02211			
411227.04	3723920.34	0.02214		411247.04
3723920.34	0.02217			
411267.04	3723920.34	0.02219		411287.04
3723920.34	0.02222			
411307.04	3723920.34	0.02225		411327.04
3723920.34	0.02228			
411347.04	3723920.34	0.02230		411367.04
3723920.34	0.02233			
411387.04	3723920.34	0.02236		411407.04
3723920.34	0.02238			

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 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411427.04	3723920.34	0.02242	411447.04
3723920.34	0.02246		
411467.04	3723920.34	0.02249	411487.04
3723920.34	0.02251		
411507.04	3723920.34	0.02254	411527.04
3723920.34	0.02258		
411547.04	3723920.34	0.02262	411567.04
3723920.34	0.02265		
411587.04	3723920.34	0.02269	411607.04
3723920.34	0.02272		
410907.04	3723940.34	0.02181	410927.04
3723940.34	0.02184		
410947.04	3723940.34	0.02186	410967.04
3723940.34	0.02189		
410987.04	3723940.34	0.02191	411007.04
3723940.34	0.02195		
411027.04	3723940.34	0.02197	411047.04
3723940.34	0.02199		
411067.04	3723940.34	0.02202	411087.04
3723940.34	0.02205		
411107.04	3723940.34	0.02208	411127.04
3723940.34	0.02211		
411147.04	3723940.34	0.02214	411167.04
3723940.34	0.02217		

411187.04	3723940.34	0.02220	411207.04
3723940.34	0.02223		
411227.04	3723940.34	0.02225	411247.04
3723940.34	0.02228		
411267.04	3723940.34	0.02231	411287.04
3723940.34	0.02234		
411307.04	3723940.34	0.02237	411327.04
3723940.34	0.02240		
411347.04	3723940.34	0.02243	411367.04
3723940.34	0.02246		
411387.04	3723940.34	0.02249	411407.04
3723940.34	0.02250		
411427.04	3723940.34	0.02253	411447.04
3723940.34	0.02257		
411467.04	3723940.34	0.02260	411487.04
3723940.34	0.02263		
411507.04	3723940.34	0.02266	411527.04
3723940.34	0.02270		
411547.04	3723940.34	0.02273	411567.04
3723940.34	0.02277		
411587.04	3723940.34	0.02280	411607.04
3723940.34	0.02284		
410907.04	3723960.34	0.02192	410927.04
3723960.34	0.02195		
410947.04	3723960.34	0.02198	410967.04
3723960.34	0.02200		
410987.04	3723960.34	0.02203	411007.04
3723960.34	0.02206		
411027.04	3723960.34	0.02208	411047.04
3723960.34	0.02210		
411067.04	3723960.34	0.02213	411087.04
3723960.34	0.02216		
411107.04	3723960.34	0.02219	411127.04
3723960.34	0.02223		
411147.04	3723960.34	0.02226	411167.04
3723960.34	0.02229		
411187.04	3723960.34	0.02231	411207.04
3723960.34	0.02234		
411227.04	3723960.34	0.02237	411247.04
3723960.34	0.02239		
411267.04	3723960.34	0.02242	411287.04
3723960.34	0.02245		
411307.04	3723960.34	0.02248	411327.04
3723960.34	0.02251		
411347.04	3723960.34	0.02254	411367.04
3723960.34	0.02257		
411387.04	3723960.34	0.02260	411407.04
3723960.34	0.02262		
411427.04	3723960.34	0.02265	411447.04
3723960.34	0.02268		

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      411467.04    3723960.34    0.02272    411487.04
3723960.34      0.02275
      411507.04    3723960.34    0.02279    411527.04
3723960.34      0.02282
      411547.04    3723960.34    0.02286    411567.04
3723960.34      0.02289
^ *** AERMOD - VERSION 19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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      *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1    ***
      INCLUDING SOURCE(S):    L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
      L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
      L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
      L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    , . . .    ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
411587.04	3723960.34	0.02292	411607.04
3723960.34	0.02296		
412145.57	3727370.39	0.18768	412165.57
3727370.39	0.19082		
412185.57	3727370.39	0.19413	412205.57
3727370.39	0.19735		
412225.57	3727370.39	0.20051	412245.57
3727370.39	0.20368		
412265.57	3727370.39	0.20697	412285.57
3727370.39	0.21019		
412305.57	3727370.39	0.21337	412325.57
3727370.39	0.21652		
412345.57	3727370.39	0.21963	412365.57
3727370.39	0.22272		
412145.57	3727390.39	0.19297	412165.57

3727390.39	0.19639		
412185.57	3727390.39	0.19996	412205.57
3727390.39	0.20345		
412225.57	3727390.39	0.20693	412245.57
3727390.39	0.21041		
412265.57	3727390.39	0.21397	412285.57
3727390.39	0.21751		
412305.57	3727390.39	0.22102	412325.57
3727390.39	0.22447		
412345.57	3727390.39	0.22790	412365.57
3727390.39	0.23135		
412145.57	3727410.39	0.19842	412165.57
3727410.39	0.20220		
412185.57	3727410.39	0.20598	412205.57
3727410.39	0.20980		
412225.57	3727410.39	0.21363	412245.57
3727410.39	0.21747		
412265.57	3727410.39	0.22132	412285.57
3727410.39	0.22519		
412305.57	3727410.39	0.22904	412325.57
3727410.39	0.23287		
412345.57	3727410.39	0.23667	412365.57
3727410.39	0.24051		
412145.57	3727430.39	0.20415	412165.57
3727430.39	0.20825		
412185.57	3727430.39	0.21236	412205.57
3727430.39	0.21652		
412225.57	3727430.39	0.22071	412245.57
3727430.39	0.22491		
412265.57	3727430.39	0.22914	412285.57
3727430.39	0.23338		
412305.57	3727430.39	0.23762	412325.57
3727430.39	0.24184		
412345.57	3727430.39	0.24605	412365.57
3727430.39	0.25024		
412145.57	3727450.39	0.20999	412165.57
3727450.39	0.21441		
412185.57	3727450.39	0.21887	412205.57
3727450.39	0.22340		
412225.57	3727450.39	0.22797	412245.57
3727450.39	0.23260		
412265.57	3727450.39	0.23724	412285.57
3727450.39	0.24189		
412305.57	3727450.39	0.24657	412325.57
3727450.39	0.25124		
412345.57	3727450.39	0.25589	412365.57
3727450.39	0.26052		
412145.57	3727470.39	0.21591	412165.57
3727470.39	0.22068		
412185.57	3727470.39	0.22551	412205.57

3727470.39	0.23046			
412225.57		3727470.39	0.23543	412245.57
3727470.39	0.24049			
412265.57		3727470.39	0.24559	412285.57
3727470.39	0.25070			
412305.57		3727470.39	0.25586	412325.57
3727470.39	0.26106			
412345.57		3727470.39	0.26623	412365.57
3727470.39	0.27139			
412145.57		3727490.39	0.22194	412165.57
3727490.39	0.22709			
412185.57		3727490.39	0.23234	412205.57
3727490.39	0.23771			
412225.57		3727490.39	0.24314	412245.57
3727490.39	0.24866			

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▲ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                                ***   05/26/20
*** AERMET - VERSION 16216 ***   ***
                                ***   16:48:31
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

```
*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
                INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412265.57	3727490.39	0.25426	412285.57
3727490.39	0.25990		
412305.57	3727490.39	0.26560	412325.57
3727490.39	0.27135		
412345.57	3727490.39	0.27711	412365.57
3727490.39	0.28286		

412145.57	3727510.39	0.22811	412165.57
3727510.39	0.23369		
412185.57	3727510.39	0.23938	412205.57
3727510.39	0.24519		
412225.57	3727510.39	0.25111	412245.57
3727510.39	0.25714		
412265.57	3727510.39	0.26327	412285.57
3727510.39	0.26949		
412305.57	3727510.39	0.27578	412325.57
3727510.39	0.28214		
412345.57	3727510.39	0.28857	412365.57
3727510.39	0.29499		
412145.57	3727530.39	0.23431	412165.57
3727530.39	0.24031		
412185.57	3727530.39	0.24647	412205.57
3727530.39	0.25277		
412225.57	3727530.39	0.25920	412245.57
3727530.39	0.26578		
412265.57	3727530.39	0.27249	412285.57
3727530.39	0.27933		
412305.57	3727530.39	0.28627	412325.57
3727530.39	0.29333		
412345.57	3727530.39	0.30053	412365.57
3727530.39	0.30771		
412145.57	3727550.39	0.24061	412165.57
3727550.39	0.24707		
412185.57	3727550.39	0.25370	412205.57
3727550.39	0.26052		
412225.57	3727550.39	0.26751	412245.57
3727550.39	0.27468		
412265.57	3727550.39	0.28203	412285.57
3727550.39	0.28954		
412305.57	3727550.39	0.29720	412325.57
3727550.39	0.30498		
412345.57	3727550.39	0.31303	412365.57
3727550.39	0.32107		
412145.57	3727570.39	0.24709	412165.57
3727570.39	0.25402		
412185.57	3727570.39	0.26115	412205.57
3727570.39	0.26854		
412225.57	3727570.39	0.27611	412245.57
3727570.39	0.28392		
412265.57	3727570.39	0.29196	412285.57
3727570.39	0.30020		
412305.57	3727570.39	0.30863	412325.57
3727570.39	0.31716		
412345.57	3727570.39	0.32610	412365.57
3727570.39	0.33506		
412145.57	3727590.39	0.25355	412165.57
3727590.39	0.26098		

412185.57 3727590.39 0.26866 412205.57
3727590.39 0.27661
412225.57 3727590.39 0.28481 412245.57
3727590.39 0.29329
412265.57 3727590.39 0.30205 412285.57
3727590.39 0.31107
412305.57 3727590.39 0.32030 412325.57
3727590.39 0.32975
412345.57 3727590.39 0.33967 412365.57
3727590.39 0.34967
412145.57 3727610.39 0.26000 412165.57
3727610.39 0.26793
412185.57 3727610.39 0.27616 412205.57
3727610.39 0.28470
412225.57 3727610.39 0.29356 412245.57
3727610.39 0.30273
412265.57 3727610.39 0.31230 412285.57
3727610.39 0.32220
412305.57 3727610.39 0.33235 412325.57
3727610.39 0.34276
412345.57 3727610.39 0.35372 412365.57
3727610.39 0.36487
412145.57 3727630.39 0.26647 412165.57
3727630.39 0.27494

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)

Y-COORD (M)	CONC		
412185.57	3727630.39	0.28374	412205.57
3727630.39	0.29291		
412225.57	3727630.39	0.30245	412245.57
3727630.39	0.31237		
412265.57	3727630.39	0.32278	412285.57
3727630.39	0.33358		
412305.57	3727630.39	0.34470	412325.57
3727630.39	0.35615		
412345.57	3727630.39	0.36819	412365.57
3727630.39	0.38062		
412145.57	3727650.39	0.27311	412165.57
3727650.39	0.28211		
412185.57	3727650.39	0.29150	412205.57
3727650.39	0.30132		
412225.57	3727650.39	0.31157	412245.57
3727650.39	0.32230		
412265.57	3727650.39	0.33347	412285.57
3727650.39	0.34519		
412305.57	3727650.39	0.35731	412325.57
3727650.39	0.36990		
412345.57	3727650.39	0.38326	412365.57
3727650.39	0.39700		
412145.57	3727670.39	0.27965	412165.57
3727670.39	0.28921		
412185.57	3727670.39	0.29922	412205.57
3727670.39	0.30971		
412225.57	3727670.39	0.32070	412245.57
3727670.39	0.33221		
412265.57	3727670.39	0.34429	412285.57
3727670.39	0.35697		
412305.57	3727670.39	0.37017	412325.57
3727670.39	0.38395		
412345.57	3727670.39	0.39864	412365.57
3727670.39	0.41382		
412145.57	3727690.39	0.28608	412165.57
3727690.39	0.29621		
412185.57	3727690.39	0.30684	412205.57
3727690.39	0.31802		
412225.57	3727690.39	0.32976	412245.57
3727690.39	0.34207		
412265.57	3727690.39	0.35517	412285.57
3727690.39	0.36888		
412305.57	3727690.39	0.38321	412325.57
3727690.39	0.39825		
412345.57	3727690.39	0.41433	412365.57
3727690.39	0.43105		
412145.57	3727710.39	0.29253	412165.57

3727710.39	0.30324			
412185.57	3727710.39	0.31450		412205.57
3727710.39	0.32638			
412225.57	3727710.39	0.33890		412245.57
3727710.39	0.35208			
412265.57	3727710.39	0.36614		412285.57
3727710.39	0.38091			
412305.57	3727710.39	0.39643		412325.57
3727710.39	0.41277			
412345.57	3727710.39	0.43031		412365.57
3727710.39	0.44869			
412145.57	3727730.39	0.29909		412165.57
3727730.39	0.31040			
412185.57	3727730.39	0.32231		412205.57
3727730.39	0.33490			
412225.57	3727730.39	0.34820		412245.57
3727730.39	0.36228			
412265.57	3727730.39	0.37722		412285.57
3727730.39	0.39304			
412305.57	3727730.39	0.40977		412325.57
3727730.39	0.42747			
412345.57	3727730.39	0.44656		412365.57
3727730.39	0.46664			
412145.57	3727750.39	0.30549		412165.57
3727750.39	0.31738			
412185.57	3727750.39	0.32996		412205.57
3727750.39	0.34325			
412225.57	3727750.39	0.35737		412245.57
3727750.39	0.37236			
412265.57	3727750.39	0.38828		412285.57
3727750.39	0.40519			
412305.57	3727750.39	0.42320		412325.57
3727750.39	0.44231			

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L000001 , L000002
, L000003 , L000004 , L000005 ,
L000006 , L000007 , L000008 , L000009 , L000010
, L000011 , L000012 , L000013 ,
L000014 , L000015 , L000016 , L000017 , L000018
, L000019 , L000020 , L000021 ,
L000022 , L000023 , L000024 , L000025 , L000026

, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412345.57	3727750.39	0.46298	412365.57
3727750.39	0.48486		
412145.57	3727770.39	0.31176	412165.57
3727770.39	0.32424		
412185.57	3727770.39	0.33748	412205.57
3727770.39	0.35152		
412225.57	3727770.39	0.36645	412245.57
3727770.39	0.38233		
412265.57	3727770.39	0.39927	412285.57
3727770.39	0.41733		
412305.57	3727770.39	0.43664	412325.57
3727770.39	0.45722		
412345.57	3727770.39	0.47953	412365.57
3727770.39	0.50329		
412145.57	3727790.39	0.31791	412165.57
3727790.39	0.33098		
412185.57	3727790.39	0.34487	412205.57
3727790.39	0.35965		
412225.57	3727790.39	0.37541	412245.57
3727790.39	0.39221		
412265.57	3727790.39	0.41017	412285.57
3727790.39	0.42940		
412305.57	3727790.39	0.45002	412325.57
3727790.39	0.47219		
412345.57	3727790.39	0.49619	412365.57
3727790.39	0.52184		
412145.57	3727810.39	0.32412	412165.57
3727810.39	0.33780		
412185.57	3727810.39	0.35237	412205.57
3727810.39	0.36789		
412225.57	3727810.39	0.38449	412245.57
3727810.39	0.40221		
412265.57	3727810.39	0.42123	412285.57
3727810.39	0.44166		
412305.57	3727810.39	0.46360	412325.57
3727810.39	0.48727		
412345.57	3727810.39	0.51287	412365.57
3727810.39	0.54045		

412145.57	3727830.39	0.33003	412165.57
3727830.39	0.34431		
412185.57	3727830.39	0.35955	412205.57
3727830.39	0.37582		
412225.57	3727830.39	0.39325	412245.57
3727830.39	0.41193		
412265.57	3727830.39	0.43197	412285.57
3727830.39	0.45358		
412305.57	3727830.39	0.47688	412325.57
3727830.39	0.50206		
412345.57	3727830.39	0.52936	412365.57
3727830.39	0.55893		
412145.57	3727850.39	0.33588	412165.57
3727850.39	0.35075		
412185.57	3727850.39	0.36665	412205.57
3727850.39	0.38366		
412225.57	3727850.39	0.40192	412245.57
3727850.39	0.42156		
412265.57	3727850.39	0.44268	412285.57
3727850.39	0.46547		
412305.57	3727850.39	0.49012	412325.57
3727850.39	0.51684		
412345.57	3727850.39	0.54589	412365.57
3727850.39	0.57753		
412145.57	3727870.39	0.34168	412165.57
3727870.39	0.35722		
412185.57	3727870.39	0.37380	412205.57
3727870.39	0.39142		
412225.57	3727870.39	0.41062	412245.57
3727870.39	0.43128		
412265.57	3727870.39	0.45348	412285.57
3727870.39	0.47750		
412305.57	3727870.39	0.50354	412325.57
3727870.39	0.53186		
412345.57	3727870.39	0.56270	412365.57
3727870.39	0.59616		
412145.57	3727890.39	0.34724	412165.57
3727890.39	0.36337		
412185.57	3727890.39	0.38060	412205.57
3727890.39	0.39896		
412225.57	3727890.39	0.41894	412245.57
3727890.39	0.44048		

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*** AERMET - VERSION 16216 *** ***
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412265.57	3727890.39	0.46375	412285.57
3727890.39	0.48896		
412305.57	3727890.39	0.51636	412325.57
3727890.39	0.54621		
412345.57	3727890.39	0.57881	412365.57
3727890.39	0.61446		
412145.57	3727910.39	0.35258	412165.57
3727910.39	0.36928		
412185.57	3727910.39	0.38716	412205.57
3727910.39	0.40625		
412225.57	3727910.39	0.42698	412245.57
3727910.39	0.44943		
412265.57	3727910.39	0.47373	412285.57
3727910.39	0.50013		
412305.57	3727910.39	0.52887	412325.57
3727910.39	0.56027		
412345.57	3727910.39	0.59467	412365.57
3727910.39	0.63244		
412145.57	3727930.39	0.35768	412165.57
3727930.39	0.37495		
412185.57	3727930.39	0.39345	412205.57
3727930.39	0.41326		
412225.57	3727930.39	0.43489	412245.57
3727930.39	0.45830		
412265.57	3727930.39	0.48366	412285.57
3727930.39	0.51123		
412305.57	3727930.39	0.54132	412325.57
3727930.39	0.57424		
412345.57	3727930.39	0.61044	412365.57

3727930.39	0.65003		
412145.57	3727950.39	0.36252	412165.57
3727950.39	0.38032		
412185.57	3727950.39	0.39948	412205.57
3727950.39	0.41998		
412225.57	3727950.39	0.44241	412245.57
3727950.39	0.46676		
412265.57	3727950.39	0.49312	412285.57
3727950.39	0.52184		
412305.57	3727950.39	0.55324	412325.57
3727950.39	0.58768		
412345.57	3727950.39	0.62559	412365.57
3727950.39	0.66712		
412145.57	3727970.39	0.36708	412165.57
3727970.39	0.38543		
412185.57	3727970.39	0.40519	412205.57
3727970.39	0.42637		
412225.57	3727970.39	0.44957	412245.57
3727970.39	0.47475		
412265.57	3727970.39	0.50209	412285.57
3727970.39	0.53194		
412305.57	3727970.39	0.56461	412325.57
3727970.39	0.60052		
412345.57	3727970.39	0.64009	412365.57
3727970.39	0.68361		
412145.57	3727990.39	0.37136	412165.57
3727990.39	0.39023		
412185.57	3727990.39	0.41058	412205.57
3727990.39	0.43241		
412225.57	3727990.39	0.45623	412245.57
3727990.39	0.48219		
412265.57	3727990.39	0.51048	412285.57
3727990.39	0.54142		
412305.57	3727990.39	0.57534	412325.57
3727990.39	0.61266		
412345.57	3727990.39	0.65387	412365.57
3727990.39	0.69942		
412145.57	3728010.39	0.37535	412165.57
3728010.39	0.39469		
412185.57	3728010.39	0.41560	412205.57
3728010.39	0.43805		
412225.57	3728010.39	0.46270	412245.57
3728010.39	0.48951		
412265.57	3728010.39	0.51873	412285.57
3728010.39	0.55073		
412305.57	3728010.39	0.58583	412325.57
3728010.39	0.62452		
412345.57	3728010.39	0.66729	412365.57
3728010.39	0.71451		
412145.57	3728030.39	0.37900	412165.57

3728030.39 0.39882

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412185.57	3728030.39	0.42026	412205.57
3728030.39	0.44328		
412225.57	3728030.39	0.46861	412245.57
3728030.39	0.49622		
412265.57	3728030.39	0.52633	412285.57
3728030.39	0.55929		
412305.57	3728030.39	0.59557	412325.57
3728030.39	0.63557		
412345.57	3728030.39	0.67987	412365.57
3728030.39	0.72875		
412145.57	3728050.39	0.38230	412165.57
3728050.39	0.40255		
412185.57	3728050.39	0.42448	412205.57
3728050.39	0.44808		
412225.57	3728050.39	0.47404	412245.57
3728050.39	0.50232		
412265.57	3728050.39	0.53326	412285.57
3728050.39	0.56717		
412305.57	3728050.39	0.60452	412325.57
3728050.39	0.64577		

412345.57	3728050.39	0.69148	412365.57
3728050.39	0.74205		
412145.57	3728070.39	0.38529	412165.57
3728070.39	0.40592		
412185.57	3728070.39	0.42832	412205.57
3728070.39	0.45241		
412225.57	3728070.39	0.47883	412245.57
3728070.39	0.50777		
412265.57	3728070.39	0.53945	412285.57
3728070.39	0.57426		
412305.57	3728070.39	0.61261	412325.57
3728070.39	0.65501		
412345.57	3728070.39	0.70203	412365.57
3728070.39	0.75432		
412145.57	3728090.39	0.38798	412165.57
3728090.39	0.40893		
412185.57	3728090.39	0.43168	412205.57
3728090.39	0.45626		
412225.57	3728090.39	0.48330	412245.57
3728090.39	0.51291		
412265.57	3728090.39	0.54532	412285.57
3728090.39	0.58094		
412305.57	3728090.39	0.62022	412325.57
3728090.39	0.66370		
412345.57	3728090.39	0.71199	412365.57
3728090.39	0.76561		
412145.57	3728110.39	0.39025	412165.57
3728110.39	0.41154		
412185.57	3728110.39	0.43464	412205.57
3728110.39	0.45962		
412225.57	3728110.39	0.48726	412245.57
3728110.39	0.51747		
412265.57	3728110.39	0.55053	412285.57
3728110.39	0.58690		
412305.57	3728110.39	0.62704	412325.57
3728110.39	0.67155		
412345.57	3728110.39	0.72100	412365.57
3728110.39	0.77582		
412145.57	3728130.39	0.39209	412165.57
3728130.39	0.41364		
412185.57	3728130.39	0.43710	412205.57
3728130.39	0.46248		
412225.57	3728130.39	0.49052	412245.57
3728130.39	0.52123		
412265.57	3728130.39	0.55485	412285.57
3728130.39	0.59188		
412305.57	3728130.39	0.63283	412325.57
3728130.39	0.67820		
412345.57	3728130.39	0.72861	412365.57
3728130.39	0.78476		

3728170.39	0.68853		
412345.57	3728170.39	0.74072	412365.57
3728170.39	0.79907		
412145.57	3728190.39	0.39535	412165.57
3728190.39	0.41732		
412185.57	3728190.39	0.44151	412205.57
3728190.39	0.46799		
412225.57	3728190.39	0.49694	412245.57
3728190.39	0.52873		
412265.57	3728190.39	0.56368	412285.57
3728190.39	0.60231		
412305.57	3728190.39	0.64506	412325.57
3728190.39	0.69257		
412345.57	3728190.39	0.74546	412365.57
3728190.39	0.80439		
412145.57	3728210.39	0.39560	412165.57
3728210.39	0.41770		
412185.57	3728210.39	0.44205	412205.57
3728210.39	0.46872		
412225.57	3728210.39	0.49786	412245.57
3728210.39	0.52986		
412265.57	3728210.39	0.56513	412285.57
3728210.39	0.60408		
412305.57	3728210.39	0.64725	412325.57
3728210.39	0.69524		
412345.57	3728210.39	0.74874	412365.57
3728210.39	0.80837		
412145.57	3728230.39	0.39540	412165.57
3728230.39	0.41764		
412185.57	3728230.39	0.44211	412205.57
3728230.39	0.46885		
412225.57	3728230.39	0.49810	412245.57
3728230.39	0.53026		
412265.57	3728230.39	0.56574	412285.57
3728230.39	0.60495		
412305.57	3728230.39	0.64841	412325.57
3728230.39	0.69677		
412345.57	3728230.39	0.75076	412365.57
3728230.39	0.81101		
412145.57	3728250.39	0.39477	412165.57
3728250.39	0.41715		
412185.57	3728250.39	0.44160	412205.57
3728250.39	0.46827		
412225.57	3728250.39	0.49762	412245.57
3728250.39	0.52990		
412265.57	3728250.39	0.56548	412285.57
3728250.39	0.60486		
412305.57	3728250.39	0.64854	412325.57
3728250.39	0.69715		
412345.57	3728250.39	0.75144	412365.57

412305.57	3728290.39	0.64678	412325.57
3728290.39	0.69562		
412345.57	3728290.39	0.75015	412365.57
3728290.39	0.81106		
412145.57	3728310.39	0.39131	412165.57
3728310.39	0.41354		
412185.57	3728310.39	0.43786	412205.57
3728310.39	0.46420		
412225.57	3728310.39	0.49354	412245.57
3728310.39	0.52574		
412265.57	3728310.39	0.56122	412285.57
3728310.39	0.60055		
412305.57	3728310.39	0.64426	412325.57
3728310.39	0.69300		
412345.57	3728310.39	0.74744	412365.57
3728310.39	0.80839		
412145.57	3728330.39	0.38943	412165.57
3728330.39	0.41151		
412185.57	3728330.39	0.43564	412205.57
3728330.39	0.46185		
412225.57	3728330.39	0.49084	412245.57
3728330.39	0.52281		
412265.57	3728330.39	0.55809	412285.57
3728330.39	0.59720		
412305.57	3728330.39	0.64067	412325.57
3728330.39	0.68914		
412345.57	3728330.39	0.74340	412365.57
3728330.39	0.80435		
412145.57	3728350.39	0.38722	412165.57
3728350.39	0.40912		
412185.57	3728350.39	0.43305	412205.57
3728350.39	0.45904		
412225.57	3728350.39	0.48787	412245.57
3728350.39	0.51962		
412265.57	3728350.39	0.55462	412285.57
3728350.39	0.59345		
412305.57	3728350.39	0.63660	412325.57
3728350.39	0.68470		
412345.57	3728350.39	0.73856	412365.57
3728350.39	0.79904		
412145.57	3728370.39	0.38470	412165.57
3728370.39	0.40637		
412185.57	3728370.39	0.43009	412205.57
3728370.39	0.45579		
412225.57	3728370.39	0.48439	412245.57
3728370.39	0.51581		
412265.57	3728370.39	0.55048	412285.57
3728370.39	0.58892		
412305.57	3728370.39	0.63163	412325.57
3728370.39	0.67929		

412345.57	3728370.39	0.73266	412365.57
3728370.39	0.79245		
412145.57	3728390.39	0.38190	412165.57
3728390.39	0.40330		
412185.57	3728390.39	0.42672	412205.57
3728390.39	0.45210		
412225.57	3728390.39	0.48040	412245.57
3728390.39	0.51146		
412265.57	3728390.39	0.54565	412285.57
3728390.39	0.58358		
412305.57	3728390.39	0.62576	412325.57
3728390.39	0.67282		
412345.57	3728390.39	0.72553	412365.57
3728390.39	0.78458		
412145.57	3728410.39	0.37878	412165.57
3728410.39	0.39990		
412185.57	3728410.39	0.42296	412205.57
3728410.39	0.44801		
412225.57	3728410.39	0.47579	412245.57
3728410.39	0.50633		
412265.57	3728410.39	0.54004	412285.57
3728410.39	0.57740		
412305.57	3728410.39	0.61893	412325.57
3728410.39	0.66529		
412345.57	3728410.39	0.71717	412365.57
3728410.39	0.77548		
412145.57	3728430.39	0.37537	412165.57
3728430.39	0.39618		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412185.57	3728430.39	0.41888	412205.57
3728430.39	0.44353		
412225.57	3728430.39	0.47082	412245.57
3728430.39	0.50085		
412265.57	3728430.39	0.53399	412285.57
3728430.39	0.57070		
412305.57	3728430.39	0.61150	412325.57
3728430.39	0.65703		
412345.57	3728430.39	0.70800	412365.57
3728430.39	0.76528		
412145.57	3728450.39	0.37170	412165.57
3728450.39	0.39215		
412185.57	3728450.39	0.41447	412205.57
3728450.39	0.43868		
412225.57	3728450.39	0.46559	412245.57
3728450.39	0.49508		
412265.57	3728450.39	0.52760	412285.57
3728450.39	0.56357		
412305.57	3728450.39	0.60358	412325.57
3728450.39	0.64815		
412345.57	3728450.39	0.69808	412365.57
3728450.39	0.75406		
412145.57	3728470.39	0.36777	412165.57
3728470.39	0.38783		
412185.57	3728470.39	0.40974	412205.57
3728470.39	0.43347		
412225.57	3728470.39	0.45985	412245.57
3728470.39	0.48873		
412265.57	3728470.39	0.52058	412285.57
3728470.39	0.55577		
412305.57	3728470.39	0.59485	412325.57
3728470.39	0.63842		
412345.57	3728470.39	0.68718	412365.57
3728470.39	0.74181		
412145.57	3728490.39	0.36362	412165.57
3728490.39	0.38326		
412185.57	3728490.39	0.40471	412205.57
3728490.39	0.42794		
412225.57	3728490.39	0.45371	412245.57
3728490.39	0.48193		
412265.57	3728490.39	0.51301	412285.57
3728490.39	0.54737		
412305.57	3728490.39	0.58547	412325.57

3728490.39	0.62794			
	412345.57	3728490.39	0.67539	412365.57
3728490.39	0.72862			
	412145.57	3728510.39	0.35922	412165.57
3728510.39	0.37843			
	412185.57	3728510.39	0.39938	412205.57
3728510.39	0.42208			
	412225.57	3728510.39	0.44710	412245.57
3728510.39	0.47461			
	412265.57	3728510.39	0.50490	412285.57
3728510.39	0.53834			
	412305.57	3728510.39	0.57543	412325.57
3728510.39	0.61671			
	412345.57	3728510.39	0.66282	412365.57
3728510.39	0.71458			
	412145.57	3728530.39	0.35458	412165.57
3728530.39	0.37336			
	412185.57	3728530.39	0.39378	412205.57
3728530.39	0.41593			
	412225.57	3728530.39	0.44044	412245.57
3728530.39	0.46724			
	412265.57	3728530.39	0.49668	412285.57
3728530.39	0.52917			
	412305.57	3728530.39	0.56517	412325.57
3728530.39	0.60518			
	412345.57	3728530.39	0.64983	412365.57
3728530.39	0.69978			
	412145.57	3728550.39	0.34969	412165.57
3728550.39	0.36801			
	412185.57	3728550.39	0.38794	412205.57
3728550.39	0.40950			
	412225.57	3728550.39	0.43334	412245.57
3728550.39	0.45938			
	412265.57	3728550.39	0.48796	412285.57
3728550.39	0.51946			
	412305.57	3728550.39	0.55431	412325.57
3728550.39	0.59299			

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^ *** AERMOD - VERSION 19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 ***    ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
          INCLUDING SOURCE(S):    L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
          L0000006    , L0000007    , L0000008    , L0000009    , L0000010

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, L0000011 , L0000012 , L0000013 ,
 , L0000019 , L0000020 , L0000021 ,
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3728550.39	412345.57	3728550.39	0.63613	412365.57
3728570.39	412145.57	3728570.39	0.34461	412165.57
3728570.39	412185.57	3728570.39	0.38187	412205.57
3728570.39	412225.57	3728570.39	0.42595	412245.57
3728570.39	412265.57	3728570.39	0.47887	412285.57
3728570.39	412305.57	3728570.39	0.54298	412325.57
3728570.39	412345.57	3728570.39	0.62182	412365.57
3728590.39	412145.57	3728590.39	0.33938	412165.57
3728590.39	412185.57	3728590.39	0.37559	412205.57
3728590.39	412225.57	3728590.39	0.41821	412245.57
3728590.39	412265.57	3728590.39	0.46933	412285.57
3728590.39	412305.57	3728590.39	0.53113	412325.57
3728590.39	412345.57	3728590.39	0.60689	412365.57
3728610.39	412145.57	3728610.39	0.33399	412165.57
3728610.39	412185.57	3728610.39	0.36911	412205.57
3728610.39	412225.57	3728610.39	0.41043	412245.57
3728610.39	412265.57	3728610.39	0.45974	412285.57
3728610.39	412305.57	3728610.39	0.48803	412325.57

412305.57	3728610.39	0.51920	412325.57
3728610.39	0.55361		
412345.57	3728610.39	0.59177	412365.57
3728610.39	0.63425		
412145.57	3728630.39	0.32845	412165.57
3728630.39	0.34478		
412185.57	3728630.39	0.36245	412205.57
3728630.39	0.38149		
412225.57	3728630.39	0.40239	412245.57
3728630.39	0.42508		
412265.57	3728630.39	0.44986	412285.57
3728630.39	0.47702		
412305.57	3728630.39	0.50689	412325.57
3728630.39	0.53983		
412345.57	3728630.39	0.57627	412365.57
3728630.39	0.61670		
412145.57	3728650.39	0.32280	412165.57
3728650.39	0.33856		
412185.57	3728650.39	0.35561	412205.57
3728650.39	0.37406		
412225.57	3728650.39	0.39410	412245.57
3728650.39	0.41590		
412265.57	3728650.39	0.43969	412285.57
3728650.39	0.46571		
412305.57	3728650.39	0.49426	412325.57
3728650.39	0.52569		
412345.57	3728650.39	0.56040	412365.57
3728650.39	0.59888		
412145.57	3728670.39	0.31714	412165.57
3728670.39	0.33237		
412185.57	3728670.39	0.34880	412205.57
3728670.39	0.36657		
412225.57	3728670.39	0.38583	412245.57
3728670.39	0.40675		
412265.57	3728670.39	0.42953	412285.57
3728670.39	0.45440		
412305.57	3728670.39	0.48165	412325.57
3728670.39	0.51155		
412345.57	3728670.39	0.54452	412365.57
3728670.39	0.58089		
412145.57	3728690.39	0.31130	412165.57
3728690.39	0.32599		
412185.57	3728690.39	0.34180	412205.57
3728690.39	0.35888		
412225.57	3728690.39	0.37736	412245.57
3728690.39	0.39738		

^ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412265.57	3728690.39	0.41916	412285.57
3728690.39	0.44288		
412305.57	3728690.39	0.46881	412325.57
3728690.39	0.49719		
412345.57	3728690.39	0.52839	412365.57
3728690.39	0.56282		
412145.57	3728710.39	0.30544	412165.57
3728710.39	0.31951		
412185.57	3728710.39	0.33479	412205.57
3728710.39	0.35117		
412225.57	3728710.39	0.36887	412245.57
3728710.39	0.38802		
412265.57	3728710.39	0.40880	412285.57
3728710.39	0.43139		
412305.57	3728710.39	0.45601	412325.57
3728710.39	0.48288		
412345.57	3728710.39	0.51235	412365.57
3728710.39	0.54478		
412145.57	3728730.39	0.29963	412165.57
3728730.39	0.31310		
412185.57	3728730.39	0.32780	412205.57
3728730.39	0.34351		
412225.57	3728730.39	0.36043	412245.57
3728730.39	0.37871		
412265.57	3728730.39	0.39850	412285.57

3728730.39	0.41995			
412305.57	3728730.39	0.44328	412325.57	
3728730.39	0.46870			
412345.57	3728730.39	0.49646	412365.57	
3728730.39	0.52685			
412145.57	3728750.39	0.29374	412165.57	
3728750.39	0.30666			
412185.57	3728750.39	0.32075	412205.57	
3728750.39	0.33578			
412225.57	3728750.39	0.35194	412245.57	
3728750.39	0.36936			
412265.57	3728750.39	0.38816	412285.57	
3728750.39	0.40851			
412305.57	3728750.39	0.43057	412325.57	
3728750.39	0.45454			
412345.57	3728750.39	0.48064	412365.57	
3728750.39	0.50911			
412145.57	3728770.39	0.28778	412165.57	
3728770.39	0.30019			
412185.57	3728770.39	0.31362	412205.57	
3728770.39	0.32797			
412225.57	3728770.39	0.34338	412245.57	
3728770.39	0.35995			
412265.57	3728770.39	0.37780	412285.57	
3728770.39	0.39706			
412305.57	3728770.39	0.41789	412325.57	
3728770.39	0.44045			
412345.57	3728770.39	0.46495	412365.57	
3728770.39	0.49164			
412145.57	3728790.39	0.28184	412165.57	
3728790.39	0.29376			
412185.57	3728790.39	0.30663	412205.57	
3728790.39	0.32033			
412225.57	3728790.39	0.33499	412245.57	
3728790.39	0.35074			
412265.57	3728790.39	0.36764	412285.57	
3728790.39	0.38585			
412305.57	3728790.39	0.40549	412325.57	
3728790.39	0.42668			
412345.57	3728790.39	0.44963	412365.57	
3728790.39	0.47453			
412145.57	3728810.39	0.27597	412165.57	
3728810.39	0.28735			
412185.57	3728810.39	0.29966	412205.57	
3728810.39	0.31272			
412225.57	3728810.39	0.32666	412245.57	
3728810.39	0.34160			
412265.57	3728810.39	0.35761	412285.57	
3728810.39	0.37480			
412305.57	3728810.39	0.39328	412325.57	

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3728810.39      0.41319
      412345.57      3728810.39      0.43465      412365.57
3728810.39      0.45782
      412145.57      3728830.39      0.27011      412165.57
3728830.39      0.28098
^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1      ***
      INCLUDING SOURCE(S):      L0000001      , L0000002
, L0000003      , L0000004      , L0000005      ,
      L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
      L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
      L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
412185.57	3728830.39	0.29273	412205.57
3728830.39	0.30515		
412225.57	3728830.39	0.31841	412245.57
3728830.39	0.33256		
412265.57	3728830.39	0.34768	412285.57
3728830.39	0.36390		
412305.57	3728830.39	0.38128	412325.57
3728830.39	0.39993		
412345.57	3728830.39	0.41999	412365.57
3728830.39	0.44156		
412145.57	3728850.39	0.26428	412165.57
3728850.39	0.27466		
412185.57	3728850.39	0.28579	412205.57
3728850.39	0.29759		
412225.57	3728850.39	0.31017	412245.57
3728850.39	0.32357		

412265.57	3728850.39	0.33786	412285.57
3728850.39	0.35314		
412305.57	3728850.39	0.36947	412325.57
3728850.39	0.38694		
412345.57	3728850.39	0.40567	412365.57
3728850.39	0.42578		
412145.57	3728870.39	0.25853	412165.57
3728870.39	0.26844		
412185.57	3728870.39	0.27910	412205.57
3728870.39	0.29032		
412225.57	3728870.39	0.30224	412245.57
3728870.39	0.31491		
412265.57	3728870.39	0.32840	412285.57
3728870.39	0.34277		
412305.57	3728870.39	0.35809	412325.57
3728870.39	0.37443		
412345.57	3728870.39	0.39188	412365.57
3728870.39	0.41053		
412145.57	3728890.39	0.25283	412165.57
3728890.39	0.26229		
412185.57	3728890.39	0.27245	412205.57
3728890.39	0.28310		
412225.57	3728890.39	0.29440	412245.57
3728890.39	0.30637		
412265.57	3728890.39	0.31910	412285.57
3728890.39	0.33261		
412305.57	3728890.39	0.34697	412325.57
3728890.39	0.36225		
412345.57	3728890.39	0.37852	412365.57
3728890.39	0.39581		
412145.57	3728910.39	0.24722	412165.57
3728910.39	0.25623		
412185.57	3728910.39	0.26588	412205.57
3728910.39	0.27599		
412225.57	3728910.39	0.28670	412245.57
3728910.39	0.29801		
412265.57	3728910.39	0.30999	412285.57
3728910.39	0.32269		
412305.57	3728910.39	0.33615	412325.57
3728910.39	0.35042		
412345.57	3728910.39	0.36557	412365.57
3728910.39	0.38164		
412145.57	3728930.39	0.24172	412165.57
3728930.39	0.25028		
412185.57	3728930.39	0.25939	412205.57
3728930.39	0.26898		
412225.57	3728930.39	0.27909	412245.57
3728930.39	0.28978		
412265.57	3728930.39	0.30107	412285.57
3728930.39	0.31300		

412305.57	3728930.39	0.32560	412325.57
3728930.39	0.33894		
412345.57	3728930.39	0.35305	412365.57
3728930.39	0.36801		
412145.57	3728950.39	0.23630	412165.57
3728950.39	0.24446		
412185.57	3728950.39	0.25315	412205.57
3728950.39	0.26224		
412225.57	3728950.39	0.27182	412245.57
3728950.39	0.28190		
412265.57	3728950.39	0.29252	412285.57
3728950.39	0.30372		
412305.57	3728950.39	0.31552	412325.57
3728950.39	0.32796		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412345.57	3728950.39	0.34109	412365.57
3728950.39	0.35492		
412145.57	3728970.39	0.23101	412165.57
3728970.39	0.23874		
412185.57	3728970.39	0.24700	412205.57
3728970.39	0.25562		
412225.57	3728970.39	0.26467	412245.57

3728970.39	0.27418			
412265.57	3728970.39	0.28416		412285.57
3728970.39	0.29468			
412305.57	3728970.39	0.30572		412325.57
3728970.39	0.31734			
412345.57	3728970.39	0.32956		412365.57
3728970.39	0.34237			
412145.57	3728990.39	0.22580		412165.57
3728990.39	0.23315			
412185.57	3728990.39	0.24096		412205.57
3728990.39	0.24913			
412225.57	3728990.39	0.25767		412245.57
3728990.39	0.26664			
412265.57	3728990.39	0.27603		412285.57
3728990.39	0.28588			
412305.57	3728990.39	0.29623		412325.57
3728990.39	0.30707			
412345.57	3728990.39	0.31844		412365.57
3728990.39	0.33034			
412145.57	3729010.39	0.22070		412165.57
3729010.39	0.22771			
412185.57	3729010.39	0.23507		412205.57
3729010.39	0.24279			
412225.57	3729010.39	0.25087		412245.57
3729010.39	0.25932			
412265.57	3729010.39	0.26815		412285.57
3729010.39	0.27740			
412305.57	3729010.39	0.28707		412325.57
3729010.39	0.29718			
412345.57	3729010.39	0.30776		412365.57
3729010.39	0.31882			
411515.35	3723339.37	0.01966		411566.95
3723321.50	0.01969			
411209.71	3721870.71	0.01458		410711.56
3722303.37	0.01529			
411481.61	3723222.27	0.01914		412561.33
3728653.10	1.38119			
413259.39	3728649.87	5.57036		412826.33
3727832.22	3.07362			
412377.11	3727858.08	0.60478		412380.35
3728258.82	0.86242			
412583.95	3728262.05	2.48958		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
406928.54	3720436.98	0.02167	407433.29
3720436.98	0.02452		
407938.04	3720436.98	0.02806	408442.79
3720436.98	0.03241		
408947.54	3720436.98	0.03759	409452.29
3720436.98	0.04314		
409957.04	3720436.98	0.04765	410461.79
3720436.98	0.05127		
410966.54	3720436.98	0.05493	411471.29
3720436.98	0.05651		
411976.04	3720436.98	0.05384	412480.79
3720436.98	0.04944		
412985.54	3720436.98	0.04563	413490.29
3720436.98	0.04118		
413995.04	3720436.98	0.03618	414499.79
3720436.98	0.03161		
415004.54	3720436.98	0.02353	415509.29
3720436.98	0.02074		
416014.04	3720436.98	0.01871	416518.79
3720436.98	0.02021		
417023.54	3720436.98	0.01872	406928.54
3720940.90	0.02257		
407433.29	3720940.90	0.02586	407938.04
3720940.90	0.03014		
408442.79	3720940.90	0.03583	408947.54
3720940.90	0.04337		
409452.29	3720940.90	0.05284	409957.04
3720940.90	0.06293		

410461.79	3720940.90	0.07084	410966.54
3720940.90	0.07782		
411471.29	3720940.90	0.08096	411976.04
3720940.90	0.07463		
412480.79	3720940.90	0.06620	412985.54
3720940.90	0.05044		
413490.29	3720940.90	0.04061	413995.04
3720940.90	0.03483		
414499.79	3720940.90	0.02834	415004.54
3720940.90	0.02473		
415509.29	3720940.90	0.02275	416014.04
3720940.90	0.02141		
416518.79	3720940.90	0.02023	417023.54
3720940.90	0.02082		
406928.54	3721444.82	0.02328	407433.29
3721444.82	0.02686		
407938.04	3721444.82	0.03169	408442.79
3721444.82	0.03849		
408947.54	3721444.82	0.04857	409452.29
3721444.82	0.06395		
409957.04	3721444.82	0.08614	410461.79
3721444.82	0.11060		
410966.54	3721444.82	0.12997	411471.29
3721444.82	0.13771		
411976.04	3721444.82	0.11751	412480.79
3721444.82	0.08041		
412985.54	3721444.82	0.05820	413490.29
3721444.82	0.04454		
413995.04	3721444.82	0.03769	414499.79
3721444.82	0.03287		
415004.54	3721444.82	0.03022	415509.29
3721444.82	0.02822		
416014.04	3721444.82	0.02649	416518.79
3721444.82	0.02480		
417023.54	3721444.82	0.02312	406928.54
3721948.74	0.02385		
407433.29	3721948.74	0.02765	407938.04
3721948.74	0.03284		
408442.79	3721948.74	0.04030	408947.54
3721948.74	0.05189		
409452.29	3721948.74	0.07198	409957.04
3721948.74	0.11174		
410461.79	3721948.74	0.19690	410966.54
3721948.74	0.32002		
411471.29	3721948.74	0.35271	411976.04
3721948.74	0.22646		
412480.79	3721948.74	0.10493	412985.54
3721948.74	0.07216		
413490.29	3721948.74	0.05935	413995.04
3721948.74	0.05305		

414499.79 3721948.74 0.04740 415004.54
 3721948.74 0.04214
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
415509.29	3721948.74	0.03801	416014.04
3721948.74	0.03446		
416518.79	3721948.74	0.03133	417023.54
3721948.74	0.02856		
406928.54	3722452.66	0.02394	407433.29
3722452.66	0.02786		
407938.04	3722452.66	0.03324	408442.79
3722452.66	0.04106		
408947.54	3722452.66	0.05343	409452.29
3722452.66	0.07555		
409957.04	3722452.66	0.12400	410461.79
3722452.66	0.27908		
411471.29	3722452.66	3.65415	411976.04
3722452.66	0.61410		
412480.79	3722452.66	0.22787	412985.54
3722452.66	0.14711		
413490.29	3722452.66	0.10863	413995.04
3722452.66	0.08615		
414499.79	3722452.66	0.06925	415004.54

3722452.66	0.05789		
415509.29	3722452.66	0.04951	416014.04
3722452.66	0.04317		
416518.79	3722452.66	0.03804	417023.54
3722452.66	0.03387		
406928.54	3722956.58	0.02345	407433.29
3722956.58	0.02722		
407938.04	3722956.58	0.03241	408442.79
3722956.58	0.03991		
408947.54	3722956.58	0.05176	409452.29
3722956.58	0.07250		
409957.04	3722956.58	0.11713	410461.79
3722956.58	0.25253		
410966.54	3722956.58	1.12961	411976.04
3722956.58	2.37802		
412480.79	3722956.58	0.65185	412985.54
3722956.58	0.29167		
413490.29	3722956.58	0.17299	413995.04
3722956.58	0.12034		
414499.79	3722956.58	0.09093	415004.54
3722956.58	0.07192		
415509.29	3722956.58	0.05925	416014.04
3722956.58	0.05017		
416518.79	3722956.58	0.04328	417023.54
3722956.58	0.03803		
406928.54	3723460.50	0.02280	407433.29
3723460.50	0.02637		
407938.04	3723460.50	0.03121	408442.79
3723460.50	0.03809		
408947.54	3723460.50	0.04829	409452.29
3723460.50	0.06517		
409957.04	3723460.50	0.09685	410461.79
3723460.50	0.16924		
410966.54	3723460.50	0.34841	411471.29
3723460.50	1.54174		
411976.04	3723460.50	2.02461	412480.79
3723460.50	0.88952		
412985.54	3723460.50	0.47710	413490.29
3723460.50	0.27718		
413995.04	3723460.50	0.17793	414499.79
3723460.50	0.12397		
415004.54	3723460.50	0.09176	415509.29
3723460.50	0.07184		
416014.04	3723460.50	0.05857	416518.79
3723460.50	0.04935		
417023.54	3723460.50	0.04256	406928.54
3723964.42	0.02224		
407433.29	3723964.42	0.02548	407938.04
3723964.42	0.02979		
408442.79	3723964.42	0.03544	408947.54

408947.54	3724468.34	0.03908	409452.29
3724468.34	0.04839		
409957.04	3724468.34	0.06038	410461.79
3724468.34	0.07468		
410966.54	3724468.34	0.09562	411471.29
3724468.34	0.16326		
411976.04	3724468.34	0.36969	412480.79
3724468.34	0.45769		
412985.54	3724468.34	0.37199	413490.29
3724468.34	0.28237		
413995.04	3724468.34	0.22058	414499.79
3724468.34	0.17735		
415004.54	3724468.34	0.14296	415509.29
3724468.34	0.11488		
416014.04	3724468.34	0.09256	416518.79
3724468.34	0.07522		
417023.54	3724468.34	0.06188	406928.54
3724972.26	0.01798		
407433.29	3724972.26	0.01983	407938.04
3724972.26	0.02564		
408442.79	3724972.26	0.02991	408947.54
3724972.26	0.03509		
409452.29	3724972.26	0.04117	409957.04
3724972.26	0.04773		
410461.79	3724972.26	0.05535	410966.54
3724972.26	0.06751		
411471.29	3724972.26	0.09780	411976.04
3724972.26	0.18711		
412480.79	3724972.26	0.28202	412985.54
3724972.26	0.29015		
413490.29	3724972.26	0.24510	413995.04
3724972.26	0.19925		
414499.79	3724972.26	0.16471	415004.54
3724972.26	0.13947		
415509.29	3724972.26	0.11931	416014.04
3724972.26	0.10185		
416518.79	3724972.26	0.08620	417023.54
3724972.26	0.07291		
406928.54	3725476.18	0.01739	407433.29
3725476.18	0.01884		
407938.04	3725476.18	0.02139	408442.79
3725476.18	0.02749		
408947.54	3725476.18	0.03113	409452.29
3725476.18	0.03488		
409957.04	3725476.18	0.03883	410461.79
3725476.18	0.04384		
410966.54	3725476.18	0.05169	411471.29
3725476.18	0.06789		
411976.04	3725476.18	0.11222	412480.79
3725476.18	0.17942		

412985.54	3725476.18	0.21724	413490.29
3725476.18	0.20602		
413995.04	3725476.18	0.17880	414499.79
3725476.18	0.15226		
415004.54	3725476.18	0.13028	415509.29
3725476.18	0.11332		
416014.04	3725476.18	0.10010	416518.79
3725476.18	0.08849		
417023.54	3725476.18	0.07594	406928.54
3725980.10	0.01572		
407433.29	3725980.10	0.01809	407938.04
3725980.10	0.02026		
408442.79	3725980.10	0.02500	408947.54
3725980.10	0.02744		
409452.29	3725980.10	0.02985	409957.04
3725980.10	0.03259		
410461.79	3725980.10	0.03637	410966.54
3725980.10	0.04169		
411471.29	3725980.10	0.05142	411976.04
3725980.10	0.07584		

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                                     ***   05/26/20
*** AERMET - VERSION 16216 ***   ***
                                     ***   16:48:31

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PAGE 377

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
          INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
          L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
          L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
          L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
412480.79	3725980.10	0.11880	412985.54

3725980.10	0.15425		
413490.29	3725980.10	0.16896	413995.04
3725980.10	0.15701		
414499.79	3725980.10	0.13958	415004.54
3725980.10	0.12238		
415509.29	3725980.10	0.10732	416014.04
3725980.10	0.09509		
416518.79	3725980.10	0.08521	417023.54
3725980.10	0.07700		
406928.54	3726484.02	0.01534	407433.29
3726484.02	0.01697		
407938.04	3726484.02	0.01873	408442.79
3726484.02	0.02022		
408947.54	3726484.02	0.02425	409452.29
3726484.02	0.02594		
409957.04	3726484.02	0.02811	410461.79
3726484.02	0.03107		
410966.54	3726484.02	0.03482	411471.29
3726484.02	0.04116		
411976.04	3726484.02	0.05591	412480.79
3726484.02	0.08333		
412985.54	3726484.02	0.11406	413490.29
3726484.02	0.13624		
413995.04	3726484.02	0.13540	414499.79
3726484.02	0.12563		
415004.54	3726484.02	0.11383	415509.29
3726484.02	0.10192		
416014.04	3726484.02	0.09093	416518.79
3726484.02	0.08161		
417023.54	3726484.02	0.07388	406928.54
3726987.94	0.01423		
407433.29	3726987.94	0.01574	407938.04
3726987.94	0.01715		
408442.79	3726987.94	0.01810	408947.54
3726987.94	0.02156		
409452.29	3726987.94	0.02293	409957.04
3726987.94	0.02476		
410461.79	3726987.94	0.02710	410966.54
3726987.94	0.02982		
411471.29	3726987.94	0.03421	411976.04
3726987.94	0.04379		
412480.79	3726987.94	0.06152	412985.54
3726987.94	0.08797		
413490.29	3726987.94	0.10872	413995.04
3726987.94	0.11525		
414499.79	3726987.94	0.11175	415004.54
3726987.94	0.10433		
415509.29	3726987.94	0.09564	416014.04
3726987.94	0.08700		
416518.79	3726987.94	0.07872	417023.54

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3727995.78	410461.79	3727995.78	0.02151	410966.54
3727995.78	411471.29	3727995.78	0.02547	411976.04
3727995.78	412985.54	3727995.78	0.05189	413490.29
3727995.78	413995.04	3727995.78	0.08101	414499.79
3727995.78	415004.54	3727995.78	0.08625	415509.29
3727995.78	416014.04	3727995.78	0.07301	416518.79
3728499.70	417023.54	3727995.78	0.06664	406928.54
3728499.70	407433.29	3728499.70	0.01313	407938.04
3728499.70	408442.79	3728499.70	0.01335	408947.54
3728499.70	409452.29	3728499.70	0.01713	409957.04
3728499.70	410461.79	3728499.70	0.01949	410966.54
3728499.70	411471.29	3728499.70	0.02257	411976.04
3728499.70	412480.79	3728499.70	0.03223	413490.29
3728499.70	413995.04	3728499.70	0.06728	414499.79
3728499.70	415004.54	3728499.70	0.07662	415509.29
3728499.70	416014.04	3728499.70	0.07088	416518.79
3729003.62	417023.54	3728499.70	0.06421	406928.54
3729003.62	407433.29	3729003.62	0.01196	407938.04
3729003.62	408442.79	3729003.62	0.01241	408947.54
3729003.62	409452.29	3729003.62	0.01580	409957.04
3729003.62	410461.79	3729003.62	0.01781	410966.54
3729003.62	411471.29	3729003.62	0.01874	


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, L0000155      , L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000156      , L0000156      , L0000157      ,
, L0000163      , L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000164      , L0000164      , L0000165      ,
, L0000166      , L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3730011.46	409452.29	3730011.46	0.01370	409957.04
3730011.46	410461.79	3730011.46	0.01507	410966.54
3730011.46	411471.29	3730011.46	0.01585	411976.04
3730011.46	412480.79	3730011.46	0.02083	412985.54
3730011.46	413490.29	3730011.46	0.03199	413995.04
3730011.46	414499.79	3730011.46	0.04823	415004.54
3730011.46	415509.29	3730011.46	0.05733	416014.04
3730011.46	416518.79	3730011.46	0.05694	417023.54
3730515.38	406928.54	3730515.38	0.01068	407433.29
3730515.38	407938.04	3730515.38	0.01030	408442.79
3730515.38	408947.54	3730515.38	0.01227	409452.29
3730515.38	409957.04	3730515.38	0.01345	410461.79
3730515.38	410966.54	3730515.38	0.01384	411471.29
3730515.38	411976.04	3730515.38	0.01611	412480.79
3730515.38	412985.54	3730515.38	0.02214	413490.29
3730515.38	413995.04	3730515.38	0.03434	414499.79
3730515.38	415004.54	3730515.38	0.04781	415509.29

3730515.38	0.05175			
416014.04	3730515.38	0.05349		416518.79
3730515.38	0.05332			
417023.54	3730515.38	0.05230		410498.80
3722355.26	0.29214			
410518.80	3722355.26	0.30516		410538.80
3722355.26	0.31914			
410558.80	3722355.26	0.33417		410578.80
3722355.26	0.35030			
410598.80	3722355.26	0.36787		410618.80
3722355.26	0.38641			
410638.80	3722355.26	0.40667		410658.80
3722355.26	0.42890			
410678.80	3722355.26	0.45272		410698.80
3722355.26	0.47851			
410718.80	3722355.26	0.50657		410738.80
3722355.26	0.53703			
410498.80	3722375.26	0.29479		410518.80
3722375.26	0.30812			
410538.80	3722375.26	0.32247		410558.80
3722375.26	0.33792			
410578.80	3722375.26	0.35471		410598.80
3722375.26	0.37242			
410618.80	3722375.26	0.39178		410638.80
3722375.26	0.41310			
410658.80	3722375.26	0.43589		410678.80
3722375.26	0.46059			
410698.80	3722375.26	0.48748		410718.80
3722375.26	0.51692			
410738.80	3722375.26	0.54906		410758.80
3722375.26	0.58410			
410498.80	3722395.26	0.29722		410518.80
3722395.26	0.31086			
410538.80	3722395.26	0.32553		410558.80
3722395.26	0.34152			
410578.80	3722395.26	0.35841		410598.80
3722395.26	0.37682			
410618.80	3722395.26	0.39709		410638.80
3722395.26	0.41881			
410658.80	3722395.26	0.44236		410678.80
3722395.26	0.46795			
410698.80	3722395.26	0.49596		410718.80
3722395.26	0.52659			
410738.80	3722395.26	0.56030		410758.80
3722395.26	0.59726			
410778.80	3722395.26	0.63788		410498.80
3722415.26	0.29951			

▲ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 16216 ***

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*** 16:48:31

PAGE 380

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410518.80	3722415.26	0.31336	410538.80
3722415.26	0.32848		
410558.80	3722415.26	0.34458	410578.80
3722415.26	0.36196		
410598.80	3722415.26	0.38114	410618.80
3722415.26	0.40175		
410638.80	3722415.26	0.42406	410658.80
3722415.26	0.44829		
410678.80	3722415.26	0.47485	410698.80
3722415.26	0.50387		
410718.80	3722415.26	0.53563	410738.80
3722415.26	0.57073		
410758.80	3722415.26	0.60946	410778.80
3722415.26	0.65215		
410798.80	3722415.26	0.69957	410498.80
3722435.26	0.30149		
410518.80	3722435.26	0.31571	410538.80
3722435.26	0.33102		
410558.80	3722435.26	0.34737	410578.80
3722435.26	0.36539		
410598.80	3722435.26	0.38492	410618.80
3722435.26	0.40595		
410638.80	3722435.26	0.42879	410658.80
3722435.26	0.45380		

410678.80	3722435.26	0.48112	410698.80
3722435.26	0.51110		
410718.80	3722435.26	0.54401	410738.80
3722435.26	0.58034		
410758.80	3722435.26	0.62068	410778.80
3722435.26	0.66539		
410798.80	3722435.26	0.71490	410818.80
3722435.26	0.77067		
410498.80	3722455.26	0.30322	410518.80
3722455.26	0.31777		
410538.80	3722455.26	0.33314	410558.80
3722455.26	0.35001		
410578.80	3722455.26	0.36848	410598.80
3722455.26	0.38822		
410618.80	3722455.26	0.40966	410638.80
3722455.26	0.43310		
410658.80	3722455.26	0.45872	410678.80
3722455.26	0.48676		
410698.80	3722455.26	0.51761	410718.80
3722455.26	0.55157		
410738.80	3722455.26	0.58911	410758.80
3722455.26	0.63092		
410778.80	3722455.26	0.67723	410798.80
3722455.26	0.72883		
410818.80	3722455.26	0.78717	410838.80
3722455.26	0.85305		
410498.80	3722475.26	0.30484	410518.80
3722475.26	0.31939		
410538.80	3722475.26	0.33511	410558.80
3722475.26	0.35247		
410578.80	3722475.26	0.37101	410598.80
3722475.26	0.39107		
410618.80	3722475.26	0.41293	410638.80
3722475.26	0.43691		
410658.80	3722475.26	0.46307	410678.80
3722475.26	0.49179		
410698.80	3722475.26	0.52341	410718.80
3722475.26	0.55828		
410738.80	3722475.26	0.59695	410758.80
3722475.26	0.64007		
410778.80	3722475.26	0.68768	410798.80
3722475.26	0.74158		
410818.80	3722475.26	0.80232	410838.80
3722475.26	0.87077		
410498.80	3722495.26	0.30613	410518.80
3722495.26	0.32082		
410538.80	3722495.26	0.33702	410558.80
3722495.26	0.35441		
410578.80	3722495.26	0.37315	410598.80
3722495.26	0.39351		

3722515.26	0.46998			
410678.80	3722515.26	0.49978	410698.80	
3722515.26	0.53267			
410718.80	3722515.26	0.56904	410738.80	
3722515.26	0.60961			
410758.80	3722515.26	0.65482	410778.80	
3722515.26	0.70507			
410798.80	3722515.26	0.76232	410818.80	
3722515.26	0.82693			
410838.80	3722515.26	0.90022	410858.80	
3722515.26	0.98391			
410878.80	3722515.26	1.08050	410498.80	
3722535.26	0.30800			
410518.80	3722535.26	0.32329	410538.80	
3722535.26	0.33956			
410558.80	3722535.26	0.35715	410578.80	
3722535.26	0.37631			
410598.80	3722535.26	0.39725	410618.80	
3722535.26	0.42006			
410638.80	3722535.26	0.44505	410658.80	
3722535.26	0.47250			
410678.80	3722535.26	0.50275	410698.80	
3722535.26	0.53610			
410718.80	3722535.26	0.57305	410738.80	
3722535.26	0.61434			
410758.80	3722535.26	0.66038	410778.80	
3722535.26	0.71162			
410798.80	3722535.26	0.77012	410818.80	
3722535.26	0.83618			
410838.80	3722535.26	0.91125	410858.80	
3722535.26	0.99726			
410878.80	3722535.26	1.09641	410898.80	
3722535.26	1.21193			
410498.80	3722555.26	0.30878	410518.80	
3722555.26	0.32394			
410538.80	3722555.26	0.34031	410558.80	
3722555.26	0.35800			
410578.80	3722555.26	0.37734	410598.80	
3722555.26	0.39840			
410618.80	3722555.26	0.42143	410638.80	
3722555.26	0.44664			
410658.80	3722555.26	0.47436	410678.80	
3722555.26	0.50491			
410698.80	3722555.26	0.53870	410718.80	
3722555.26	0.57610			
410738.80	3722555.26	0.61795	410758.80	
3722555.26	0.66464			
410778.80	3722555.26	0.71670	410798.80	
3722555.26	0.77619			
410818.80	3722555.26	0.84328	410838.80	

410818.80	3722575.26	0.84823	410838.80
3722575.26	0.92549		
410858.80	3722575.26	1.01430	410878.80
3722575.26	1.11725		
410898.80	3722575.26	1.23687	410918.80
3722575.26	1.37708		
410938.80	3722575.26	1.54345	410498.80
3722595.26	0.30927		
410518.80	3722595.26	0.32446	410538.80
3722595.26	0.34093		
410558.80	3722595.26	0.35882	410578.80
3722595.26	0.37825		
410598.80	3722595.26	0.39949	410618.80
3722595.26	0.42272		
410638.80	3722595.26	0.44819	410658.80
3722595.26	0.47623		
410678.80	3722595.26	0.50715	410698.80
3722595.26	0.54139		
410718.80	3722595.26	0.57943	410738.80
3722595.26	0.62186		
410758.80	3722595.26	0.66925	410778.80
3722595.26	0.72239		
410798.80	3722595.26	0.78271	410818.80
3722595.26	0.85100		
410838.80	3722595.26	0.92901	410858.80
3722595.26	1.01831		
410878.80	3722595.26	1.12198	410898.80
3722595.26	1.24234		
410918.80	3722595.26	1.38330	410938.80
3722595.26	1.55043		
410498.80	3722615.26	0.30910	410518.80
3722615.26	0.32429		
410538.80	3722615.26	0.34079	410558.80
3722615.26	0.35868		
410578.80	3722615.26	0.37816	410598.80
3722615.26	0.39941		
410618.80	3722615.26	0.42267	410638.80
3722615.26	0.44818		
410658.80	3722615.26	0.47626	410678.80
3722615.26	0.50724		
410698.80	3722615.26	0.54156	410718.80
3722615.26	0.57965		
410738.80	3722615.26	0.62217	410758.80
3722615.26	0.66970		
410778.80	3722615.26	0.72295	410798.80
3722615.26	0.78325		
410818.80	3722615.26	0.85155	410838.80
3722615.26	0.92967		
410858.80	3722615.26	1.01919	410878.80
3722615.26	1.12275		

	410898.80	3722615.26	1.24301	410918.80
3722615.26	1.38382			
	410938.80	3722615.26	1.55031	410958.80
3722615.26	1.74907			
	410498.80	3722635.26	0.30858	410518.80
3722635.26	0.32379			
	410538.80	3722635.26	0.34026	410558.80
3722635.26	0.35814			
	410578.80	3722635.26	0.37760	410598.80
3722635.26	0.39885			
	410618.80	3722635.26	0.42207	410638.80
3722635.26	0.44756			
	410658.80	3722635.26	0.47560	410678.80
3722635.26	0.50653			
	410698.80	3722635.26	0.54079	410718.80
3722635.26	0.57885			
	410738.80	3722635.26	0.62128	410758.80
3722635.26	0.66873			
	410778.80	3722635.26	0.72195	410798.80
3722635.26	0.78210			
	410818.80	3722635.26	0.85017	410838.80
3722635.26	0.92808			
	410858.80	3722635.26	1.01739	410878.80
3722635.26	1.12034			

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*** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSO\OCSO.ISC
***                                ***                                05/26/20
*** AERMET - VERSION 16216 *** ***
***                                ***                                16:48:31

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PAGE 383

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
                      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
                      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
                      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)

Y-COORD (M)	CONC		
410898.80	3722635.26	1.23976	410918.80
3722635.26	1.37935		
410938.80	3722635.26	1.54398	410958.80
3722635.26	1.73987		
410978.80	3722635.26	1.97510	410498.80
3722655.26	0.30787		
410518.80	3722655.26	0.32302	410538.80
3722655.26	0.33943		
410558.80	3722655.26	0.35725	410578.80
3722655.26	0.37664		
410598.80	3722655.26	0.39780	410618.80
3722655.26	0.42094		
410638.80	3722655.26	0.44632	410658.80
3722655.26	0.47426		
410678.80	3722655.26	0.50506	410698.80
3722655.26	0.53916		
410718.80	3722655.26	0.57704	410738.80
3722655.26	0.61925		
410758.80	3722655.26	0.66646	410778.80
3722655.26	0.71948		
410798.80	3722655.26	0.77919	410818.80
3722655.26	0.84673		
410838.80	3722655.26	0.92413	410858.80
3722655.26	1.01273		
410878.80	3722655.26	1.11462	410898.80
3722655.26	1.23259		
410918.80	3722655.26	1.37028	410938.80
3722655.26	1.53213		
410958.80	3722655.26	1.72398	410978.80
3722655.26	1.95318		
410998.80	3722655.26	2.23043	410498.80
3722675.26	0.30699		
410518.80	3722675.26	0.32216	410538.80
3722675.26	0.33851		
410558.80	3722675.26	0.35622	410578.80
3722675.26	0.37553		
410598.80	3722675.26	0.39658	410618.80
3722675.26	0.41958		
410638.80	3722675.26	0.44469	410658.80
3722675.26	0.47253		
410678.80	3722675.26	0.50314	410698.80
3722675.26	0.53699		
410718.80	3722675.26	0.57456	410738.80
3722675.26	0.61642		
410758.80	3722675.26	0.66319	410778.80
3722675.26	0.71562		
410798.80	3722675.26	0.77468	410818.80

3722675.26	0.84143			
410838.80	3722675.26	0.91778		410858.80
3722675.26	1.00522			
410878.80	3722675.26	1.10557		410898.80
3722675.26	1.22152			
410918.80	3722675.26	1.35651		410938.80
3722675.26	1.51486			
410958.80	3722675.26	1.70167		410978.80
3722675.26	1.92399			
410998.80	3722675.26	2.19154		411018.80
3722675.26	2.51637			
410498.80	3722695.26	0.30593		410518.80
3722695.26	0.32099			
410538.80	3722695.26	0.33721		410558.80
3722695.26	0.35481			
410578.80	3722695.26	0.37398		410598.80
3722695.26	0.39487			
410618.80	3722695.26	0.41766		410638.80
3722695.26	0.44255			
410658.80	3722695.26	0.47017		410678.80
3722695.26	0.50048			
410698.80	3722695.26	0.53400		410718.80
3722695.26	0.57115			
410738.80	3722695.26	0.61255		410758.80
3722695.26	0.65873			
410778.80	3722695.26	0.71044		410798.80
3722695.26	0.76868			
410818.80	3722695.26	0.83442		410838.80
3722695.26	0.90950			
410858.80	3722695.26	0.99532		410878.80
3722695.26	1.09362			
410898.80	3722695.26	1.20689		410918.80
3722695.26	1.33854			

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC

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*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170

, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410938.80	3722695.26	1.49269	410958.80
3722695.26	1.67383		
410978.80	3722695.26	1.88815	410998.80
3722695.26	2.14515		
411018.80	3722695.26	2.45611	411038.80
3722695.26	2.83459		
410498.80	3722715.26	0.30464	410518.80
3722715.26	0.31951		
410538.80	3722715.26	0.33557	410558.80
3722715.26	0.35300		
410578.80	3722715.26	0.37202	410598.80
3722715.26	0.39273		
410618.80	3722715.26	0.41528	410638.80
3722715.26	0.43990		
410658.80	3722715.26	0.46720	410678.80
3722715.26	0.49714		
410698.80	3722715.26	0.53022	410718.80
3722715.26	0.56689		
410738.80	3722715.26	0.60766	410758.80
3722715.26	0.65316		
410778.80	3722715.26	0.70405	410798.80
3722715.26	0.76126		
410818.80	3722715.26	0.82577	410838.80
3722715.26	0.89929		
410858.80	3722715.26	0.98323	410878.80
3722715.26	1.07914		
410898.80	3722715.26	1.18930	410918.80
3722715.26	1.31714		
410938.80	3722715.26	1.46648	410958.80
3722715.26	1.64141		
410978.80	3722715.26	1.84721	410998.80
3722715.26	2.09343		
411018.80	3722715.26	2.38929	411038.80
3722715.26	2.74831		
410498.80	3722735.26	0.30297	410518.80
3722735.26	0.31767		
410538.80	3722735.26	0.33359	410558.80
3722735.26	0.35086		

410578.80	3722735.26	0.36970	410598.80
3722735.26	0.39019		
410618.80	3722735.26	0.41249	410638.80
3722735.26	0.43676		
410658.80	3722735.26	0.46358	410678.80
3722735.26	0.49309		
410698.80	3722735.26	0.52567	410718.80
3722735.26	0.56174		
410738.80	3722735.26	0.60181	410758.80
3722735.26	0.64652		
410778.80	3722735.26	0.69652	410798.80
3722735.26	0.75253		
410818.80	3722735.26	0.81564	410838.80
3722735.26	0.88740		
410858.80	3722735.26	0.96918	410878.80
3722735.26	1.06247		
410898.80	3722735.26	1.16948	410918.80
3722735.26	1.29300		
410938.80	3722735.26	1.43656	410958.80
3722735.26	1.60443		
410978.80	3722735.26	1.80216	410998.80
3722735.26	2.03727		
411018.80	3722735.26	2.31784	411038.80
3722735.26	2.65657		
411058.80	3722735.26	3.07110	410498.80
3722755.26	0.30127		
410518.80	3722755.26	0.31582	410538.80
3722755.26	0.33155		
410558.80	3722755.26	0.34856	410578.80
3722755.26	0.36712		
410598.80	3722755.26	0.38731	410618.80
3722755.26	0.40927		
410638.80	3722755.26	0.43319	410658.80
3722755.26	0.45972		
410678.80	3722755.26	0.48873	410698.80
3722755.26	0.52074		
410718.80	3722755.26	0.55613	410738.80
3722755.26	0.59540		
410758.80	3722755.26	0.63915	410778.80
3722755.26	0.68796		
410798.80	3722755.26	0.74262	410818.80
3722755.26	0.80415		

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***                                *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                                *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410838.80	3722755.26	0.87399	410858.80
3722755.26	0.95337		
410878.80	3722755.26	1.04378	410898.80
3722755.26	1.14732		
410918.80	3722755.26	1.26647	410938.80
3722755.26	1.40417		
410958.80	3722755.26	1.56474	410978.80
3722755.26	1.75370		
410998.80	3722755.26	1.97639	411018.80
3722755.26	2.24215		
411038.80	3722755.26	2.56176	411058.80
3722755.26	2.95009		
411078.80	3722755.26	3.42966	410498.80
3722775.26	0.29927		
410518.80	3722775.26	0.31362	410538.80
3722775.26	0.32915		
410558.80	3722775.26	0.34595	410578.80
3722775.26	0.36420		
410598.80	3722775.26	0.38407	410618.80
3722775.26	0.40566		
410638.80	3722775.26	0.42918	410658.80
3722775.26	0.45524		
410678.80	3722775.26	0.48371	410698.80
3722775.26	0.51509		
410718.80	3722775.26	0.54975	410738.80
3722775.26	0.58818		
410758.80	3722775.26	0.63088	410778.80
3722775.26	0.67846		
410798.80	3722775.26	0.73168	410818.80

3722775.26	0.79144			
410838.80	3722775.26	0.85918		410858.80
3722775.26	0.93601			
410878.80	3722775.26	1.02315		410898.80
3722775.26	1.12293			
410918.80	3722775.26	1.23751		410938.80
3722775.26	1.36910			
410958.80	3722775.26	1.52307		410978.80
3722775.26	1.70274			
410998.80	3722775.26	1.91340		411018.80
3722775.26	2.16350			
411038.80	3722775.26	2.46404		411058.80
3722775.26	2.82760			
411078.80	3722775.26	3.27430		411098.80
3722775.26	3.83215			
410498.80	3722795.26	0.29701		410518.80
3722795.26	0.31115			
410538.80	3722795.26	0.32643		410558.80
3722795.26	0.34294			
410578.80	3722795.26	0.36093		410598.80
3722795.26	0.38046			
410618.80	3722795.26	0.40168		410638.80
3722795.26	0.42476			
410658.80	3722795.26	0.45028		410678.80
3722795.26	0.47813			
410698.80	3722795.26	0.50883		410718.80
3722795.26	0.54270			
410738.80	3722795.26	0.58015		410758.80
3722795.26	0.62179			
410778.80	3722795.26	0.66811		410798.80
3722795.26	0.71975			
410818.80	3722795.26	0.77767		410838.80
3722795.26	0.84320			
410858.80	3722795.26	0.91736		410878.80
3722795.26	1.00114			
410898.80	3722795.26	1.09677		410918.80
3722795.26	1.20627			
410938.80	3722795.26	1.33253		410958.80
3722795.26	1.47896			
410978.80	3722795.26	1.64912		410998.80
3722795.26	1.84843			
411018.80	3722795.26	2.08363		411038.80
3722795.26	2.36462			
411058.80	3722795.26	2.70445		411078.80
3722795.26	3.11949			
411098.80	3722795.26	3.63575		411118.80
3722795.26	4.29052			
410498.80	3722815.26	0.29447		410518.80
3722815.26	0.30839			
410538.80	3722815.26	0.32342		410558.80

3722815.26 0.33967

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410578.80	3722815.26	0.35739	410598.80
3722815.26	0.37657		
410618.80	3722815.26	0.39738	410638.80
3722815.26	0.41994		
410658.80	3722815.26	0.44481	410678.80
3722815.26	0.47205		
410698.80	3722815.26	0.50199	410718.80
3722815.26	0.53499		
410738.80	3722815.26	0.57149	410758.80
3722815.26	0.61199		
410778.80	3722815.26	0.65700	410798.80
3722815.26	0.70699		
410818.80	3722815.26	0.76298	410838.80
3722815.26	0.82615		
410858.80	3722815.26	0.89750	410878.80
3722815.26	0.97811		
410898.80	3722815.26	1.06942	410918.80
3722815.26	1.17393		
410938.80	3722815.26	1.29430	410958.80
3722815.26	1.43299		

410978.80	3722815.26	1.59373	410998.80
3722815.26	1.78165		
411018.80	3722815.26	2.00277	411038.80
3722815.26	2.26487		
411058.80	3722815.26	2.58098	411078.80
3722815.26	2.96649		
411098.80	3722815.26	3.44231	411118.80
3722815.26	4.04309		
411138.80	3722815.26	4.81906	410498.80
3722835.26	0.29194		
410518.80	3722835.26	0.30562	410538.80
3722835.26	0.32037		
410558.80	3722835.26	0.33630	410578.80
3722835.26	0.35360		
410598.80	3722835.26	0.37237	410618.80
3722835.26	0.39274		
410638.80	3722835.26	0.41482	410658.80
3722835.26	0.43923		
410678.80	3722835.26	0.46579	410698.80
3722835.26	0.49496		
410718.80	3722835.26	0.52707	410738.80
3722835.26	0.56247		
410758.80	3722835.26	0.60170	410778.80
3722835.26	0.64521		
410798.80	3722835.26	0.69351	410818.80
3722835.26	0.74749		
410838.80	3722835.26	0.80827	410858.80
3722835.26	0.87669		
410878.80	3722835.26	0.95375	410898.80
3722835.26	1.04086		
410918.80	3722835.26	1.14075	410938.80
3722835.26	1.25474		
410958.80	3722835.26	1.38575	410978.80
3722835.26	1.53711		
410998.80	3722835.26	1.71367	411018.80
3722835.26	1.92085		
411038.80	3722835.26	2.16582	411058.80
3722835.26	2.45832		
411078.80	3722835.26	2.81501	411098.80
3722835.26	3.25368		
411118.80	3722835.26	3.80288	411138.80
3722835.26	4.50798		
410498.80	3722855.26	0.28914	410518.80
3722855.26	0.30257		
410538.80	3722855.26	0.31703	410558.80
3722855.26	0.33265		
410578.80	3722855.26	0.34956	410598.80
3722855.26	0.36790		
410618.80	3722855.26	0.38780	410638.80
3722855.26	0.40935		

	410658.80	3722855.26	0.43314	410678.80
3722855.26	0.45902			
	410698.80	3722855.26	0.48739	410718.80
3722855.26	0.51855			
	410738.80	3722855.26	0.55289	410758.80
3722855.26	0.59082			
	410778.80	3722855.26	0.63281	410798.80
3722855.26	0.67938			
	410818.80	3722855.26	0.73130	410838.80
3722855.26	0.78959			

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                               ***   05/26/20
*** AERMET - VERSION 16216 ***   ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

 INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 , ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 , ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 , ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410858.80	3722855.26	0.85511	410878.80
3722855.26	0.92842		
410898.80	3722855.26	1.01171	410918.80
3722855.26	1.10636		
410938.80	3722855.26	1.21431	410958.80
3722855.26	1.33761		
410978.80	3722855.26	1.47978	410998.80
3722855.26	1.64516		
411018.80	3722855.26	1.83872	411038.80
3722855.26	2.06672		
411058.80	3722855.26	2.33766	411078.80

3722855.26	2.66606			
411098.80	3722855.26	3.06899		411118.80
3722855.26	3.57106			
411138.80	3722855.26	4.20917		411158.80
3722855.26	5.04423			
410498.80	3722875.26	0.28611		410518.80
3722875.26	0.29927			
410538.80	3722875.26	0.31343		410558.80
3722875.26	0.32873			
410578.80	3722875.26	0.34524		410598.80
3722875.26	0.36314			
410618.80	3722875.26	0.38256		410638.80
3722875.26	0.40357			
410658.80	3722875.26	0.42668		410678.80
3722875.26	0.45184			
410698.80	3722875.26	0.47937		410718.80
3722875.26	0.50956			
410738.80	3722875.26	0.54276		410758.80
3722875.26	0.57939			
410778.80	3722875.26	0.61989		410798.80
3722875.26	0.66467			
410818.80	3722875.26	0.71450		410838.80
3722875.26	0.77028			
410858.80	3722875.26	0.83265		410878.80
3722875.26	0.90251			
410898.80	3722875.26	0.98176		410918.80
3722875.26	1.07131			
410938.80	3722875.26	1.17310		410958.80
3722875.26	1.28926			
410978.80	3722875.26	1.42234		410998.80
3722875.26	1.57660			
411018.80	3722875.26	1.75678		411038.80
3722875.26	1.96831			
411058.80	3722875.26	2.21872		411078.80
3722875.26	2.52018			
411098.80	3722875.26	2.88865		411118.80
3722875.26	3.34519			
411138.80	3722875.26	3.92187		411158.80
3722875.26	4.67102			
411178.80	3722875.26	5.66933		410498.80
3722895.26	0.28291			
410518.80	3722895.26	0.29575		410538.80
3722895.26	0.30962			
410558.80	3722895.26	0.32455		410578.80
3722895.26	0.34067			
410598.80	3722895.26	0.35810		410618.80
3722895.26	0.37704			
410638.80	3722895.26	0.39757		410658.80
3722895.26	0.41992			
410678.80	3722895.26	0.44428		410698.80

3722895.26	0.47096			
410718.80	3722895.26	0.50016	410738.80	
3722895.26	0.53219			
410758.80	3722895.26	0.56751	410778.80	
3722895.26	0.60653			
410798.80	3722895.26	0.64959	410818.80	
3722895.26	0.69731			
410838.80	3722895.26	0.75038	410858.80	
3722895.26	0.80970			
410878.80	3722895.26	0.87643	410898.80	
3722895.26	0.95112			
410918.80	3722895.26	1.03564	410938.80	
3722895.26	1.13155			
410958.80	3722895.26	1.24058	410978.80	
3722895.26	1.36507			
410998.80	3722895.26	1.50853	411018.80	
3722895.26	1.67584			
411038.80	3722895.26	1.87133	411058.80	
3722895.26	2.10184			

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411078.80	3722895.26	2.37755	411098.80
3722895.26	2.71267		

411118.80	3722895.26	3.12602	411138.80
3722895.26	3.64568		
411158.80	3722895.26	4.31453	411178.80
3722895.26	5.19864		
411198.80	3722895.26	6.40296	410498.80
3722915.26	0.27975		
410518.80	3722915.26	0.29222	410538.80
3722915.26	0.30584		
410558.80	3722915.26	0.32041	410578.80
3722915.26	0.33611		
410598.80	3722915.26	0.35301	410618.80
3722915.26	0.37151		
410638.80	3722915.26	0.39147	410658.80
3722915.26	0.41312		
410678.80	3722915.26	0.43661	410698.80
3722915.26	0.46249		
410718.80	3722915.26	0.49069	410738.80
3722915.26	0.52157		
410758.80	3722915.26	0.55548	410778.80
3722915.26	0.59282		
410798.80	3722915.26	0.63404	410818.80
3722915.26	0.67965		
410838.80	3722915.26	0.73016	410858.80
3722915.26	0.78672		
410878.80	3722915.26	0.84987	410898.80
3722915.26	0.92050		
410918.80	3722915.26	1.00004	410938.80
3722915.26	1.08994		
410958.80	3722915.26	1.19195	410978.80
3722915.26	1.30811		
410998.80	3722915.26	1.44123	411018.80
3722915.26	1.59588		
411038.80	3722915.26	1.77583	411058.80
3722915.26	1.98728		
411078.80	3722915.26	2.23966	411098.80
3722915.26	2.54441		
411118.80	3722915.26	2.91738	411138.80
3722915.26	3.38299		
411158.80	3722915.26	3.97734	411178.80
3722915.26	4.75326		
411198.80	3722915.26	5.80165	411218.80
3722915.26	7.27107		
410498.80	3722935.26	0.27636	410518.80
3722935.26	0.28854		
410538.80	3722935.26	0.30185	410558.80
3722935.26	0.31605		
410578.80	3722935.26	0.33132	410598.80
3722935.26	0.34772		
410618.80	3722935.26	0.36570	410638.80
3722935.26	0.38505		

410658.80	3722935.26	0.40601	410678.80
3722935.26	0.42870		
410698.80	3722935.26	0.45371	410718.80
3722935.26	0.48089		
410738.80	3722935.26	0.51058	410758.80
3722935.26	0.54308		
410778.80	3722935.26	0.57880	410798.80
3722935.26	0.61815		
410818.80	3722935.26	0.66153	410838.80
3722935.26	0.70975		
410858.80	3722935.26	0.76338	410878.80
3722935.26	0.82304		
410898.80	3722935.26	0.88963	410918.80
3722935.26	0.96437		
410938.80	3722935.26	1.04846	410958.80
3722935.26	1.14362		
410978.80	3722935.26	1.25165	410998.80
3722935.26	1.37494		
411018.80	3722935.26	1.51757	411038.80
3722935.26	1.68281		
411058.80	3722935.26	1.87626	411078.80
3722935.26	2.10563		
411098.80	3722935.26	2.38131	411118.80
3722935.26	2.71627		
411138.80	3722935.26	3.13141	411158.80
3722935.26	3.65649		
411178.80	3722935.26	4.33517	411198.80
3722935.26	5.23767		

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3722955.26	411218.80	3722935.26	6.48629	410498.80
3722955.26	410518.80	3722955.26	0.27287	410538.80
3722955.26	410558.80	3722955.26	0.28474	410578.80
3722955.26	410598.80	3722955.26	0.29767	410578.80
3722955.26	410638.80	3722955.26	0.31153	410618.80
3722955.26	410678.80	3722955.26	0.32636	410618.80
3722955.26	410718.80	3722955.26	0.34228	410658.80
3722955.26	410758.80	3722955.26	0.35968	410658.80
3722955.26	410798.80	3722955.26	0.37845	410698.80
3722955.26	410838.80	3722955.26	0.39870	410698.80
3722955.26	410878.80	3722955.26	0.42060	410738.80
3722955.26	410918.80	3722955.26	0.44469	410738.80
3722955.26	410958.80	3722955.26	0.47083	410778.80
3722955.26	410998.80	3722955.26	0.49933	410778.80
3722955.26	411038.80	3722955.26	0.53043	410818.80
3722955.26	411078.80	3722955.26	0.56457	410818.80
3722955.26	411118.80	3722955.26	0.60203	410858.80
3722955.26	411158.80	3722955.26	0.62020	410858.80
3722955.26	411198.80	3722955.26	0.68904	410898.80
3722955.26	411238.80	3722955.26	0.73968	410898.80
3722955.26	411278.80	3722955.26	0.79592	410938.80
3722955.26	411318.80	3722955.26	0.85854	410938.80
3722955.26	411358.80	3722955.26	0.92857	410978.80
3722955.26	411398.80	3722955.26	1.00709	410978.80
3722955.26	411438.80	3722955.26	1.09566	411018.80
3722955.26	411478.80	3722955.26	1.19589	411018.80
3722955.26	411518.80	3722955.26	1.30993	411058.80
3722955.26	411558.80	3722955.26	1.44130	411058.80
3722955.26	411598.80	3722955.26	1.59274	411098.80
3722955.26	411638.80	3722955.26	1.76875	411098.80
3722955.26	411678.80	3722955.26	1.97633	411138.80
3722955.26	411718.80	3722955.26	2.22408	411138.80
3722955.26	411758.80	3722955.26	2.52328	411178.80
3722955.26	411798.80	3722955.26	2.89088	411178.80
3722955.26	411838.80	3722955.26	3.35120	411218.80
3722955.26	411878.80	3722955.26	3.93986	411218.80
3722955.26	411918.80	3722955.26	4.71269	410518.80
3722955.26	411958.80	3722955.26	5.76319	410518.80
3722975.26	410498.80	3722975.26	0.26927	410558.80
3722975.26	410538.80	3722975.26	0.28085	410558.80
3722975.26	410578.80	3722975.26	0.29342	410598.80
3722975.26	410618.80	3722975.26	0.30689	410598.80
3722975.26	410658.80	3722975.26	0.32128	410598.80

3722975.26	0.33672				
410618.80	3722975.26	0.35356			410638.80
3722975.26	0.37170				
410658.80	3722975.26	0.39123			410678.80
3722975.26	0.41236				
410698.80	3722975.26	0.43549			410718.80
3722975.26	0.46058				
410738.80	3722975.26	0.48788			410758.80
3722975.26	0.51762				
410778.80	3722975.26	0.55019			410798.80
3722975.26	0.58577				
410818.80	3722975.26	0.62499			410838.80
3722975.26	0.66825				
410858.80	3722975.26	0.71600			410878.80
3722975.26	0.76891				
410898.80	3722975.26	0.82770			410918.80
3722975.26	0.89317				
410938.80	3722975.26	0.96634			410958.80
3722975.26	1.04854				
410978.80	3722975.26	1.14127			410998.80
3722975.26	1.24644				
411018.80	3722975.26	1.36692			411038.80
3722975.26	1.50510				
411058.80	3722975.26	1.66489			411078.80
3722975.26	1.85212				
411098.80	3722975.26	2.07391			411118.80
3722975.26	2.33992				
411138.80	3722975.26	2.66367			411158.80
3722975.26	3.06476				
411178.80	3722975.26	3.57167			411198.80
3722975.26	4.22730				
411218.80	3722975.26	5.10196			413054.78
3727884.09	0.05663				
413074.78	3727884.09	0.05729			413094.78
3727884.09	0.05791				
413114.78	3727884.09	0.05854			413134.78
3727884.09	0.05917				

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC

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*** AERMET - VERSION 16216 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154


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, L0000155      , L0000156      , L0000157      ,
                  L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
                  L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413154.78	3727884.09	0.05983	413174.78
3727884.09	0.06047		
413194.78	3727884.09	0.06109	413214.78
3727884.09	0.06172		
413234.78	3727884.09	0.06235	413254.78
3727884.09	0.06299		
413274.78	3727884.09	0.06360	413294.78
3727884.09	0.06421		
413314.78	3727884.09	0.06484	413334.78
3727884.09	0.06546		
413354.78	3727884.09	0.06606	413374.78
3727884.09	0.06779		
413394.78	3727884.09	0.06874	413414.78
3727884.09	0.07000		
413434.78	3727884.09	0.07061	413454.78
3727884.09	0.07127		
413474.78	3727884.09	0.07193	413494.78
3727884.09	0.07254		
413514.78	3727884.09	0.07310	413534.78
3727884.09	0.07373		
413554.78	3727884.09	0.07437	413574.78
3727884.09	0.07494		
413594.78	3727884.09	0.07545	413614.78
3727884.09	0.07604		
413634.78	3727884.09	0.07664	413654.78
3727884.09	0.07718		
413674.78	3727884.09	0.07768	413694.78
3727884.09	0.07822		
413714.78	3727884.09	0.07875	413734.78
3727884.09	0.07924		
413054.78	3727904.09	0.05611	413074.78
3727904.09	0.05675		
413094.78	3727904.09	0.05739	413114.78
3727904.09	0.05801		

413134.78	3727904.09	0.05863	413154.78
3727904.09	0.05927		
413174.78	3727904.09	0.05992	413194.78
3727904.09	0.06054		
413214.78	3727904.09	0.06116	413234.78
3727904.09	0.06178		
413254.78	3727904.09	0.06242	413274.78
3727904.09	0.06304		
413294.78	3727904.09	0.06363	413314.78
3727904.09	0.06426		
413334.78	3727904.09	0.06489	413354.78
3727904.09	0.06546		
413374.78	3727904.09	0.06710	413394.78
3727904.09	0.06809		
413414.78	3727904.09	0.06936	413434.78
3727904.09	0.06997		
413454.78	3727904.09	0.07063	413474.78
3727904.09	0.07128		
413494.78	3727904.09	0.07190	413514.78
3727904.09	0.07245		
413534.78	3727904.09	0.07309	413554.78
3727904.09	0.07372		
413574.78	3727904.09	0.07430	413594.78
3727904.09	0.07480		
413614.78	3727904.09	0.07539	413634.78
3727904.09	0.07598		
413654.78	3727904.09	0.07654	413674.78
3727904.09	0.07703		
413694.78	3727904.09	0.07756	413714.78
3727904.09	0.07810		
413734.78	3727904.09	0.07860	413054.78
3727924.09	0.05561		
413074.78	3727924.09	0.05623	413094.78
3727924.09	0.05687		
413114.78	3727924.09	0.05748	413134.78
3727924.09	0.05810		
413154.78	3727924.09	0.05873	413174.78
3727924.09	0.05937		
413194.78	3727924.09	0.06000	413214.78
3727924.09	0.06061		
413234.78	3727924.09	0.06122	413254.78
3727924.09	0.06184		
413274.78	3727924.09	0.06248	413294.78
3727924.09	0.06306		
413314.78	3727924.09	0.06365	413334.78
3727924.09	0.06430		

▲ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413354.78	3727924.09	0.06486	413374.78
3727924.09	0.06571		
413394.78	3727924.09	0.06749	413414.78
3727924.09	0.06875		
413434.78	3727924.09	0.06934	413454.78
3727924.09	0.07000		
413474.78	3727924.09	0.07065	413494.78
3727924.09	0.07126		
413514.78	3727924.09	0.07181	413534.78
3727924.09	0.07244		
413554.78	3727924.09	0.07308	413574.78
3727924.09	0.07365		
413594.78	3727924.09	0.07415	413614.78
3727924.09	0.07475		
413634.78	3727924.09	0.07534	413654.78
3727924.09	0.07589		
413674.78	3727924.09	0.07638	413694.78
3727924.09	0.07692		
413714.78	3727924.09	0.07745	413734.78
3727924.09	0.07795		
413054.78	3727944.09	0.05520	413074.78
3727944.09	0.05571		
413094.78	3727944.09	0.05634	413114.78
3727944.09	0.05697		
413134.78	3727944.09	0.05757	413154.78

3727944.09	0.05819			
413174.78	3727944.09	0.05882		413194.78
3727944.09	0.05947			
413214.78	3727944.09	0.06006		413234.78
3727944.09	0.06067			
413254.78	3727944.09	0.06129		413274.78
3727944.09	0.06192			
413294.78	3727944.09	0.06252		413314.78
3727944.09	0.06310			
413334.78	3727944.09	0.06370		413354.78
3727944.09	0.06430			
413374.78	3727944.09	0.06521		413394.78
3727944.09	0.06689			
413414.78	3727944.09	0.06813		413434.78
3727944.09	0.06872			
413454.78	3727944.09	0.06937		413474.78
3727944.09	0.07002			
413494.78	3727944.09	0.07063		413514.78
3727944.09	0.07117			
413534.78	3727944.09	0.07181		413554.78
3727944.09	0.07244			
413574.78	3727944.09	0.07301		413594.78
3727944.09	0.07352			
413614.78	3727944.09	0.07411		413634.78
3727944.09	0.07471			
413654.78	3727944.09	0.07525		413674.78
3727944.09	0.07574			
413694.78	3727944.09	0.07628		413714.78
3727944.09	0.07681			
413734.78	3727944.09	0.07731		413054.78
3727964.09	0.05473			
413074.78	3727964.09	0.05522		413094.78
3727964.09	0.05582			
413114.78	3727964.09	0.05646		413134.78
3727964.09	0.05706			
413154.78	3727964.09	0.05767		413174.78
3727964.09	0.05828			
413194.78	3727964.09	0.05892		413214.78
3727964.09	0.05954			
413234.78	3727964.09	0.06015		413254.78
3727964.09	0.06077			
413274.78	3727964.09	0.06136		413294.78
3727964.09	0.06195			
413314.78	3727964.09	0.06257		413334.78
3727964.09	0.06319			
413354.78	3727964.09	0.06442		413374.78
3727964.09	0.06541			
413394.78	3727964.09	0.06630		413414.78
3727964.09	0.06752			
413434.78	3727964.09	0.06811		413454.78

3727964.09 0.06875
 413474.78 3727964.09 0.06939 413494.78
 3727964.09 0.07000
 413514.78 3727964.09 0.07054 413534.78
 3727964.09 0.07117

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
413554.78	3727964.09	0.07181	413574.78
3727964.09	0.07238		
413594.78	3727964.09	0.07289	413614.78
3727964.09	0.07348		
413634.78	3727964.09	0.07407	413654.78
3727964.09	0.07461		
413674.78	3727964.09	0.07510	413694.78
3727964.09	0.07565		
413714.78	3727964.09	0.07619	413734.78
3727964.09	0.07668		
413054.78	3727984.09	0.05423	413074.78
3727984.09	0.05482		
413094.78	3727984.09	0.05532	413114.78
3727984.09	0.05594		
413134.78	3727984.09	0.05656	413154.78
3727984.09	0.05715		

413174.78	3727984.09	0.05776	413194.78
3727984.09	0.05838		
413214.78	3727984.09	0.05902	413234.78
3727984.09	0.05962		
413254.78	3727984.09	0.06021	413274.78
3727984.09	0.06080		
413294.78	3727984.09	0.06166	413314.78
3727984.09	0.06322		
413334.78	3727984.09	0.06403	413354.78
3727984.09	0.06479		
413374.78	3727984.09	0.06547	413394.78
3727984.09	0.06616		
413414.78	3727984.09	0.06691	413434.78
3727984.09	0.06750		
413454.78	3727984.09	0.06811	413474.78
3727984.09	0.06873		
413494.78	3727984.09	0.06933	413514.78
3727984.09	0.06991		
413534.78	3727984.09	0.07051	413554.78
3727984.09	0.07111		
413574.78	3727984.09	0.07170	413594.78
3727984.09	0.07225		
413614.78	3727984.09	0.07286	413634.78
3727984.09	0.07345		
413654.78	3727984.09	0.07398	413674.78
3727984.09	0.07447		
413694.78	3727984.09	0.07502	413714.78
3727984.09	0.07557		
413734.78	3727984.09	0.07606	413114.78
3728004.09	0.05543		
413134.78	3728004.09	0.05606	413154.78
3728004.09	0.05665		
413174.78	3728004.09	0.05725	413194.78
3728004.09	0.05786		
413214.78	3728004.09	0.05848	413234.78
3728004.09	0.05909		
413254.78	3728004.09	0.05967	413274.78
3728004.09	0.06024		
413294.78	3728004.09	0.06231	413314.78
3728004.09	0.06297		
413334.78	3728004.09	0.06360	413354.78
3728004.09	0.06427		
413374.78	3728004.09	0.06495	413394.78
3728004.09	0.06560		
413414.78	3728004.09	0.06630	413434.78
3728004.09	0.06689		
413454.78	3728004.09	0.06752	413474.78
3728004.09	0.06815		
413494.78	3728004.09	0.06875	413514.78
3728004.09	0.06930		

413534.78	3728004.09	0.06992	413554.78
3728004.09	0.07054		
413574.78	3728004.09	0.07114	413594.78
3728004.09	0.07165		
413614.78	3728004.09	0.07224	413634.78
3728004.09	0.07283		
413654.78	3728004.09	0.07335	413674.78
3728004.09	0.07384		
413694.78	3728004.09	0.07438	413714.78
3728004.09	0.07492		
413734.78	3728004.09	0.07544	413114.78
3728024.09	0.05494		
413134.78	3728024.09	0.05555	413154.78
3728024.09	0.05616		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413174.78	3728024.09	0.05674	413194.78
3728024.09	0.05734		
413214.78	3728024.09	0.05795	413234.78
3728024.09	0.05857		
413254.78	3728024.09	0.05914	413274.78
3728024.09	0.05971		
413294.78	3728024.09	0.06176	413314.78

3728024.09	0.06221			
413334.78	3728024.09	0.06284		413354.78
3728024.09	0.06362			
413374.78	3728024.09	0.06431		413394.78
3728024.09	0.06498			
413414.78	3728024.09	0.06564		413434.78
3728024.09	0.06629			
413454.78	3728024.09	0.06693		413474.78
3728024.09	0.06756			
413494.78	3728024.09	0.06815		413514.78
3728024.09	0.06870			
413534.78	3728024.09	0.06932		413554.78
3728024.09	0.06995			
413574.78	3728024.09	0.07055		413594.78
3728024.09	0.07104			
413614.78	3728024.09	0.07162		413634.78
3728024.09	0.07221			
413654.78	3728024.09	0.07274		413674.78
3728024.09	0.07322			
413694.78	3728024.09	0.07376		413714.78
3728024.09	0.07430			
413734.78	3728024.09	0.07483		413114.78
3728044.09	0.05447			
413134.78	3728044.09	0.05505		413154.78
3728044.09	0.05566			
413174.78	3728044.09	0.05625		413194.78
3728044.09	0.05684			
413214.78	3728044.09	0.05744		413234.78
3728044.09	0.05805			
413254.78	3728044.09	0.05862		413274.78
3728044.09	0.05918			
413294.78	3728044.09	0.06120		413314.78
3728044.09	0.06160			
413334.78	3728044.09	0.06245		413354.78
3728044.09	0.06315			
413374.78	3728044.09	0.06380		413394.78
3728044.09	0.06445			
413414.78	3728044.09	0.06512		413434.78
3728044.09	0.06571			
413454.78	3728044.09	0.06634		413474.78
3728044.09	0.06697			
413494.78	3728044.09	0.06756		413514.78
3728044.09	0.06810			
413534.78	3728044.09	0.06872		413554.78
3728044.09	0.06934			
413574.78	3728044.09	0.06994		413594.78
3728044.09	0.07042			
413614.78	3728044.09	0.07101		413634.78
3728044.09	0.07160			
413654.78	3728044.09	0.07212		413674.78


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3728044.09      0.07260
      413694.78   3728044.09      0.07314      413714.78
3728044.09      0.07369
      413734.78   3728044.09      0.07421      413134.78
3728064.09      0.05456
      413154.78   3728064.09      0.05516      413174.78
3728064.09      0.05576
      413194.78   3728064.09      0.05634      413214.78
3728064.09      0.05693
      413234.78   3728064.09      0.05753      413254.78
3728064.09      0.05810
      413274.78   3728064.09      0.05866      413294.78
3728064.09      0.06065
      413314.78   3728064.09      0.06102      413334.78
3728064.09      0.06189
      413354.78   3728064.09      0.06257      413374.78
3728064.09      0.06323
      413394.78   3728064.09      0.06387      413414.78
3728064.09      0.06455
      413434.78   3728064.09      0.06513      413454.78
3728064.09      0.06575
      413474.78   3728064.09      0.06638      413494.78
3728064.09      0.06697

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*** MODELOPTs:   RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
                        INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
              L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
              L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
              L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

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** CONC OF PM_10   IN MICROGRAMS/M**3

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      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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413514.78	3728064.09	0.06751	413534.78
3728064.09	0.06812		
413554.78	3728064.09	0.06874	413574.78
3728064.09	0.06932		
413594.78	3728064.09	0.06982	413614.78
3728064.09	0.07041		
413634.78	3728064.09	0.07095	413654.78
3728064.09	0.07146		
413674.78	3728064.09	0.07198	413694.78
3728064.09	0.07251		
413714.78	3728064.09	0.07303	413734.78
3728064.09	0.07355		
413134.78	3728084.09	0.05411	413154.78
3728084.09	0.05466		
413174.78	3728084.09	0.05527	413194.78
3728084.09	0.05586		
413214.78	3728084.09	0.05643	413234.78
3728084.09	0.05703		
413254.78	3728084.09	0.05759	413274.78
3728084.09	0.05818		
413294.78	3728084.09	0.06009	413314.78
3728084.09	0.06046		
413334.78	3728084.09	0.06119	413354.78
3728084.09	0.06199		
413374.78	3728084.09	0.06264	413394.78
3728084.09	0.06330		
413414.78	3728084.09	0.06398	413434.78
3728084.09	0.06456		
413454.78	3728084.09	0.06517	413474.78
3728084.09	0.06580		
413494.78	3728084.09	0.06639	413514.78
3728084.09	0.06692		
413534.78	3728084.09	0.06753	413554.78
3728084.09	0.06815		
413574.78	3728084.09	0.06873	413594.78
3728084.09	0.06923		
413614.78	3728084.09	0.06974	413634.78
3728084.09	0.07029		
413654.78	3728084.09	0.07086	413674.78
3728084.09	0.07139		
413694.78	3728084.09	0.07193	413714.78
3728084.09	0.07248		
413734.78	3728084.09	0.07298	413134.78
3728104.09	0.05374		
413154.78	3728104.09	0.05418	413174.78
3728104.09	0.05478		
413194.78	3728104.09	0.05538	413214.78
3728104.09	0.05595		

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413294.78	3728124.09	0.05889	413314.78
3728124.09	0.05934		
413334.78	3728124.09	0.06012	413354.78
3728124.09	0.06091		
413374.78	3728124.09	0.06157	413394.78
3728124.09	0.06219		
413414.78	3728124.09	0.06285	413434.78
3728124.09	0.06342		
413454.78	3728124.09	0.06403	413474.78
3728124.09	0.06464		
413494.78	3728124.09	0.06524	413514.78
3728124.09	0.06577		
413534.78	3728124.09	0.06637	413554.78
3728124.09	0.06697		
413574.78	3728124.09	0.06751	413594.78
3728124.09	0.06799		
413614.78	3728124.09	0.06858	413634.78
3728124.09	0.06920		
413654.78	3728124.09	0.06972	413674.78
3728124.09	0.07019		
413694.78	3728124.09	0.07073	413714.78
3728124.09	0.07128		
413734.78	3728124.09	0.07175	413174.78
3728144.09	0.05382		
413194.78	3728144.09	0.05440	413214.78
3728144.09	0.05499		
413234.78	3728144.09	0.05554	413254.78
3728144.09	0.05609		
413274.78	3728144.09	0.05738	413294.78
3728144.09	0.05825		
413314.78	3728144.09	0.05872	413334.78
3728144.09	0.05949		
413354.78	3728144.09	0.06035	413374.78
3728144.09	0.06098		
413394.78	3728144.09	0.06160	413414.78
3728144.09	0.06229		
413434.78	3728144.09	0.06286	413454.78
3728144.09	0.06346		
413474.78	3728144.09	0.06407	413494.78

VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413734.78	3728164.09	0.07058	413174.78
3728184.09	0.05305		
413194.78	3728184.09	0.05347	413214.78
3728184.09	0.05403		
413234.78	3728184.09	0.05460	413254.78
3728184.09	0.05513		
413274.78	3728184.09	0.05646	413294.78
3728184.09	0.05709		
413314.78	3728184.09	0.05702	413334.78
3728184.09	0.05819		
413354.78	3728184.09	0.05895	413374.78
3728184.09	0.05973		
413394.78	3728184.09	0.06052	413414.78
3728184.09	0.06119		
413434.78	3728184.09	0.06174	413454.78
3728184.09	0.06236		
413474.78	3728184.09	0.06296	413494.78
3728184.09	0.06356		
413514.78	3728184.09	0.06412	413534.78
3728184.09	0.06458		
413554.78	3728184.09	0.06515	413574.78
3728184.09	0.06577		
413594.78	3728184.09	0.06638	413614.78
3728184.09	0.06690		
413634.78	3728184.09	0.06740	413654.78
3728184.09	0.06792		
413674.78	3728184.09	0.06824	413694.78
3728184.09	0.06890		
413714.78	3728184.09	0.06948	413734.78
3728184.09	0.06999		

413174.78	3728204.09	0.05260	413194.78
3728204.09	0.05309		
413214.78	3728204.09	0.05355	413234.78
3728204.09	0.05411		
413254.78	3728204.09	0.05466	413274.78
3728204.09	0.05578		
413294.78	3728204.09	0.05588	413314.78
3728204.09	0.05688		
413334.78	3728204.09	0.05795	413354.78
3728204.09	0.05861		
413374.78	3728204.09	0.05933	413394.78
3728204.09	0.06000		
413414.78	3728204.09	0.06066	413434.78
3728204.09	0.06120		
413454.78	3728204.09	0.06179	413474.78
3728204.09	0.06241		
413494.78	3728204.09	0.06298	413514.78
3728204.09	0.06353		
413534.78	3728204.09	0.06395	413554.78
3728204.09	0.06464		
413574.78	3728204.09	0.06527	413594.78
3728204.09	0.06580		
413614.78	3728204.09	0.06629	413634.78
3728204.09	0.06683		
413654.78	3728204.09	0.06736	413674.78
3728204.09	0.06762		
413694.78	3728204.09	0.06828	413714.78
3728204.09	0.06890		
413734.78	3728204.09	0.06936	413234.78
3728224.09	0.05366		
413254.78	3728224.09	0.05420	413274.78
3728224.09	0.05475		
413294.78	3728224.09	0.05540	413314.78
3728224.09	0.05665		
413334.78	3728224.09	0.05743	413354.78
3728224.09	0.05812		
413374.78	3728224.09	0.05873	413394.78
3728224.09	0.05938		
413414.78	3728224.09	0.06013	413434.78
3728224.09	0.06066		
413454.78	3728224.09	0.06125	413474.78
3728224.09	0.06183		
413494.78	3728224.09	0.06242	413514.78
3728224.09	0.06280		
413534.78	3728224.09	0.06344	413554.78
3728224.09	0.06416		
413574.78	3728224.09	0.06472	413594.78
3728224.09	0.06521		
413614.78	3728224.09	0.06548	413634.78
3728224.09	0.06608		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146

, L0000147	, L0000148	, L0000149	,
	L0000150	, L0000151	, L0000152 , L0000153 , L0000154
, L0000155	, L0000156	, L0000157	,
	L0000158	, L0000159	, L0000160 , L0000161 , L0000162
, L0000163	, L0000164	, L0000165	,
	L0000166	, L0000167	, L0000168 , L0000169 , L0000170
, L0000171	, L0000172	, . . .	,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
413654.78	3728224.09	0.06680	413674.78
3728224.09	0.06703		
413694.78	3728224.09	0.06744	413714.78
3728224.09	0.06804		
413734.78	3728224.09	0.06873	413234.78
3728244.09	0.05319		
413254.78	3728244.09	0.05379	413274.78
3728244.09	0.05431		
413294.78	3728244.09	0.05501	413314.78
3728244.09	0.05621		
413334.78	3728244.09	0.05695	413354.78
3728244.09	0.05752		
413374.78	3728244.09	0.05814	413394.78
3728244.09	0.05881		
413414.78	3728244.09	0.05959	413434.78
3728244.09	0.06015		
413454.78	3728244.09	0.06068	413474.78
3728244.09	0.06116		
413494.78	3728244.09	0.06159	413514.78
3728244.09	0.06220		
413534.78	3728244.09	0.06303	413554.78

3728244.09	0.06362		
413574.78	3728244.09	0.06413	413594.78
3728244.09	0.06463		
413614.78	3728244.09	0.06486	413634.78
3728244.09	0.06570		
413654.78	3728244.09	0.06623	413674.78
3728244.09	0.06640		
413694.78	3728244.09	0.06700	413714.78
3728244.09	0.06781		
413734.78	3728244.09	0.06832	413234.78
3728264.09	0.05283		
413254.78	3728264.09	0.05351	413274.78
3728264.09	0.05402		
413294.78	3728264.09	0.05446	413314.78
3728264.09	0.05560		
413334.78	3728264.09	0.05645	413354.78
3728264.09	0.05694		
413374.78	3728264.09	0.05760	413394.78
3728264.09	0.05829		
413414.78	3728264.09	0.05910	413434.78
3728264.09	0.05965		
413454.78	3728264.09	0.06023	413474.78
3728264.09	0.06065		
413494.78	3728264.09	0.06104	413514.78
3728264.09	0.06192		
413534.78	3728264.09	0.06251	413554.78
3728264.09	0.06304		
413574.78	3728264.09	0.06355	413594.78
3728264.09	0.06377		
413614.78	3728264.09	0.06464	413634.78
3728264.09	0.06521		
413654.78	3728264.09	0.06567	413674.78
3728264.09	0.06583		
413694.78	3728264.09	0.06637	413714.78
3728264.09	0.06718		
413734.78	3728264.09	0.06746	413234.78
3728284.09	0.05241		
413254.78	3728284.09	0.05289	413274.78
3728284.09	0.05407		
413294.78	3728284.09	0.05463	413314.78
3728284.09	0.05484		
413334.78	3728284.09	0.05571	413354.78
3728284.09	0.05639		
413374.78	3728284.09	0.05720	413394.78
3728284.09	0.05788		
413414.78	3728284.09	0.05853	413434.78
3728284.09	0.05909		
413454.78	3728284.09	0.05964	413474.78
3728284.09	0.05990		
413494.78	3728284.09	0.06055	413514.78

3728284.09	0.06137			
	413534.78	3728284.09	0.06193	413554.78
3728284.09	0.06248			
	413574.78	3728284.09	0.06274	413594.78
3728284.09	0.06334			
	413614.78	3728284.09	0.06414	413634.78
3728284.09	0.06464			
	413654.78	3728284.09	0.06510	413674.78
3728284.09	0.06530			

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*** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCPG2 ***
INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,
  
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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413694.78	3728284.09	0.06576	413714.78
3728284.09	0.06631		
413734.78	3728284.09	0.06674	413254.78
3728304.09	0.05250		
413274.78	3728304.09	0.05300	413294.78
3728304.09	0.05418		
413314.78	3728304.09	0.05485	413334.78
3728304.09	0.05539		
413354.78	3728304.09	0.05591	413374.78
3728304.09	0.05659		
413394.78	3728304.09	0.05722	413414.78
3728304.09	0.05785		

413434.78	3728304.09	0.05839	413454.78
3728304.09	0.05891		
413474.78	3728304.09	0.05934	413494.78
3728304.09	0.06000		
413514.78	3728304.09	0.06062	413534.78
3728304.09	0.06120		
413554.78	3728304.09	0.06175	413574.78
3728304.09	0.06218		
413594.78	3728304.09	0.06282	413614.78
3728304.09	0.06346		
413634.78	3728304.09	0.06384	413654.78
3728304.09	0.06430		
413674.78	3728304.09	0.06473	413694.78
3728304.09	0.06509		
413714.78	3728304.09	0.06556	413734.78
3728304.09	0.06607		
413254.78	3728324.09	0.05203	413274.78
3728324.09	0.05257		
413294.78	3728324.09	0.05315	413314.78
3728324.09	0.05365		
413334.78	3728324.09	0.05503	413354.78
3728324.09	0.05566		
413374.78	3728324.09	0.05617	413394.78
3728324.09	0.05672		
413414.78	3728324.09	0.05726	413434.78
3728324.09	0.05778		
413454.78	3728324.09	0.05828	413474.78
3728324.09	0.05877		
413494.78	3728324.09	0.05932	413514.78
3728324.09	0.05996		
413534.78	3728324.09	0.06055	413554.78
3728324.09	0.06113		
413574.78	3728324.09	0.06167	413594.78
3728324.09	0.06220		
413614.78	3728324.09	0.06273	413634.78
3728324.09	0.06324		
413654.78	3728324.09	0.06376	413674.78
3728324.09	0.06427		
413694.78	3728324.09	0.06477	413714.78
3728324.09	0.06530		
413734.78	3728324.09	0.06579	413254.78
3728344.09	0.05167		
413274.78	3728344.09	0.05222	413294.78
3728344.09	0.05260		
413314.78	3728344.09	0.05324	413334.78
3728344.09	0.05373		
413354.78	3728344.09	0.05427	413374.78
3728344.09	0.05568		
413394.78	3728344.09	0.05630	413414.78
3728344.09	0.05688		

413434.78	3728344.09	0.05741	413454.78
3728344.09	0.05793		
413474.78	3728344.09	0.05824	413494.78
3728344.09	0.05889		
413514.78	3728344.09	0.05969	413534.78
3728344.09	0.06038		
413554.78	3728344.09	0.06095	413574.78
3728344.09	0.06149		
413594.78	3728344.09	0.06206	413614.78
3728344.09	0.06254		
413634.78	3728344.09	0.06298	413654.78
3728344.09	0.06347		
413674.78	3728344.09	0.06393	413694.78
3728344.09	0.06429		
413714.78	3728344.09	0.06447	413734.78
3728344.09	0.06377		
413254.78	3728364.09	0.05122	413274.78
3728364.09	0.05174		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
, L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
, L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
, L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413294.78	3728364.09	0.05217	413314.78
3728364.09	0.05272		
413334.78	3728364.09	0.05322	413354.78

3728364.09	0.05383		
413374.78	3728364.09	0.05438	413394.78
3728364.09	0.05487		
413414.78	3728364.09	0.05534	413434.78
3728364.09	0.05584		
413454.78	3728364.09	0.05635	413474.78
3728364.09	0.05690		
413494.78	3728364.09	0.05742	413514.78
3728364.09	0.05792		
413534.78	3728364.09	0.05844	413554.78
3728364.09	0.05896		
413574.78	3728364.09	0.05947	413594.78
3728364.09	0.05998		
413614.78	3728364.09	0.06048	413634.78
3728364.09	0.06098		
413654.78	3728364.09	0.06148	413674.78
3728364.09	0.06198		
413694.78	3728364.09	0.06247	413714.78
3728364.09	0.06293		
413734.78	3728364.09	0.06332	413254.78
3728384.09	0.05090		
413274.78	3728384.09	0.05133	413294.78
3728384.09	0.05174		
413314.78	3728384.09	0.05229	413334.78
3728384.09	0.05326		
413354.78	3728384.09	0.05373	413374.78
3728384.09	0.05384		
413394.78	3728384.09	0.05433	413414.78
3728384.09	0.05488		
413434.78	3728384.09	0.05541	413454.78
3728384.09	0.05593		
413474.78	3728384.09	0.05640	413494.78
3728384.09	0.05695		
413514.78	3728384.09	0.05745	413534.78
3728384.09	0.05796		
413554.78	3728384.09	0.05845	413574.78
3728384.09	0.05895		
413594.78	3728384.09	0.05944	413614.78
3728384.09	0.05992		
413634.78	3728384.09	0.06041	413654.78
3728384.09	0.06094		
413674.78	3728384.09	0.06152	413694.78
3728384.09	0.06272		
413714.78	3728384.09	0.06346	413734.78
3728384.09	0.06394		
413254.78	3728404.09	0.05096	413274.78
3728404.09	0.05108		
413294.78	3728404.09	0.05142	413314.78
3728404.09	0.05183		
413334.78	3728404.09	0.05268	413354.78

3728404.09	0.05339			
	413374.78	3728404.09	0.05362	413394.78
3728404.09	0.05394			
	413414.78	3728404.09	0.05450	413434.78
3728404.09	0.05559			
	413454.78	3728404.09	0.05627	413474.78
3728404.09	0.05638			
	413494.78	3728404.09	0.05670	413514.78
3728404.09	0.05787			
	413534.78	3728404.09	0.05824	413554.78
3728404.09	0.05882			
	413574.78	3728404.09	0.05940	413594.78
3728404.09	0.05967			
	413614.78	3728404.09	0.06017	413634.78
3728404.09	0.06041			
	413654.78	3728404.09	0.06079	413674.78
3728404.09	0.06119			
	413694.78	3728404.09	0.06180	413714.78
3728404.09	0.06210			
	413734.78	3728404.09	0.06253	413294.78
3728424.09	0.05105			
	413314.78	3728424.09	0.05141	413334.78
3728424.09	0.05193			
	413354.78	3728424.09	0.05277	413374.78
3728424.09	0.05331			
	413394.78	3728424.09	0.05354	413414.78
3728424.09	0.05399			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413434.78	3728424.09	0.05519	413454.78
3728424.09	0.05586		
413474.78	3728424.09	0.05613	413494.78
3728424.09	0.05621		
413514.78	3728424.09	0.05672	413534.78
3728424.09	0.05714		
413554.78	3728424.09	0.05762	413574.78
3728424.09	0.05813		
413594.78	3728424.09	0.05857	413614.78
3728424.09	0.05903		
413634.78	3728424.09	0.05952	413654.78
3728424.09	0.05999		
413674.78	3728424.09	0.06048	413694.78
3728424.09	0.06104		
413714.78	3728424.09	0.06151	413734.78
3728424.09	0.06197		
413294.78	3728444.09	0.05103	413314.78
3728444.09	0.05114		
413334.78	3728444.09	0.05151	413354.78
3728444.09	0.05213		
413374.78	3728444.09	0.05296	413394.78
3728444.09	0.05351		
413414.78	3728444.09	0.05358	413434.78
3728444.09	0.05475		
413454.78	3728444.09	0.05540	413474.78
3728444.09	0.05581		
413494.78	3728444.09	0.05574	413514.78
3728444.09	0.05630		
413534.78	3728444.09	0.05685	413554.78
3728444.09	0.05736		
413574.78	3728444.09	0.05778	413594.78
3728444.09	0.05832		
413614.78	3728444.09	0.05885	413634.78
3728444.09	0.05934		
413654.78	3728444.09	0.05953	413674.78
3728444.09	0.06044		
413694.78	3728444.09	0.06132	413714.78
3728444.09	0.06199		
413734.78	3728444.09	0.06149	413294.78
3728464.09	0.05054		
413314.78	3728464.09	0.05077	413334.78
3728464.09	0.05114		
413354.78	3728464.09	0.05160	413374.78
3728464.09	0.05266		

413394.78	3728464.09	0.05305	413414.78
3728464.09	0.05318		
413434.78	3728464.09	0.05410	413454.78
3728464.09	0.05491		
413474.78	3728464.09	0.05538	413494.78
3728464.09	0.05538		
413514.78	3728464.09	0.05643	413534.78
3728464.09	0.05701		
413554.78	3728464.09	0.05756	413574.78
3728464.09	0.05808		
413594.78	3728464.09	0.05859	413614.78
3728464.09	0.05906		
413634.78	3728464.09	0.05919	413654.78
3728464.09	0.05910		
413674.78	3728464.09	0.06010	413694.78
3728464.09	0.06102		
413714.78	3728464.09	0.06157	413734.78
3728464.09	0.06112		
413314.78	3728484.09	0.05071	413334.78
3728484.09	0.05081		
413354.78	3728484.09	0.05118	413374.78
3728484.09	0.05184		
413394.78	3728484.09	0.05232	413414.78
3728484.09	0.05283		
413434.78	3728484.09	0.05335	413454.78
3728484.09	0.05396		
413474.78	3728484.09	0.05457	413494.78
3728484.09	0.05517		
413514.78	3728484.09	0.05612	413534.78
3728484.09	0.05675		
413554.78	3728484.09	0.05733	413574.78
3728484.09	0.05781		
413594.78	3728484.09	0.05840	413614.78
3728484.09	0.05881		
413634.78	3728484.09	0.05890	413654.78
3728484.09	0.05869		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,

, L0000163 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413674.78	3728484.09	0.05995	413694.78
3728484.09	0.06057		
413714.78	3728484.09	0.06110	413734.78
3728484.09	0.06141		
413334.78	3728504.09	0.05080	413354.78
3728504.09	0.05089		
413374.78	3728504.09	0.05127	413394.78
3728504.09	0.05219		
413414.78	3728504.09	0.05296	413434.78
3728504.09	0.05349		
413454.78	3728504.09	0.05405	413474.78
3728504.09	0.05454		
413494.78	3728504.09	0.05491	413514.78
3728504.09	0.05573		
413534.78	3728504.09	0.05631	413554.78
3728504.09	0.05680		
413574.78	3728504.09	0.05722	413594.78
3728504.09	0.05788		
413614.78	3728504.09	0.05834	413634.78
3728504.09	0.05852		
413654.78	3728504.09	0.05823	413674.78
3728504.09	0.05959		
413694.78	3728504.09	0.06018	413714.78
3728504.09	0.06064		
413734.78	3728504.09	0.06085	413334.78
3728524.09	0.05048		
413354.78	3728524.09	0.05091	413374.78
3728524.09	0.05091		
413394.78	3728524.09	0.05148	413414.78
3728524.09	0.05250		
413434.78	3728524.09	0.05309	413454.78
3728524.09	0.05374		
413474.78	3728524.09	0.05409	413494.78
3728524.09	0.05460		
413514.78	3728524.09	0.05516	413534.78

3728524.09	0.05570			
	413554.78	3728524.09	0.05621	413574.78
3728524.09	0.05686			
	413594.78	3728524.09	0.05747	413614.78
3728524.09	0.05784			
	413634.78	3728524.09	0.05779	413654.78
3728524.09	0.05778			
	413674.78	3728524.09	0.05902	413694.78
3728524.09	0.05969			
	413714.78	3728524.09	0.06009	413734.78
3728524.09	0.06004			
	413334.78	3728544.09	0.05011	413354.78
3728544.09	0.05056			
	413374.78	3728544.09	0.05075	413394.78
3728544.09	0.05099			
	413414.78	3728544.09	0.05207	413434.78
3728544.09	0.05274			
	413454.78	3728544.09	0.05324	413474.78
3728544.09	0.05352			
	413494.78	3728544.09	0.05430	413514.78
3728544.09	0.05486			
	413534.78	3728544.09	0.05537	413554.78
3728544.09	0.05591			
	413574.78	3728544.09	0.05647	413594.78
3728544.09	0.05688			
	413614.78	3728544.09	0.05715	413634.78
3728544.09	0.05705			
	413654.78	3728544.09	0.05729	413674.78
3728544.09	0.05866			
	413694.78	3728544.09	0.05925	413714.78
3728544.09	0.05975			
	413734.78	3728544.09	0.06012	413374.78
3728564.09	0.05061			
	413394.78	3728564.09	0.05117	413414.78
3728564.09	0.05172			
	413434.78	3728564.09	0.05234	413454.78
3728564.09	0.05270			
	413474.78	3728564.09	0.05322	413494.78
3728564.09	0.05392			
	413514.78	3728564.09	0.05445	413534.78
3728564.09	0.05497			
	413554.78	3728564.09	0.05542	413574.78
3728564.09	0.05575			
	413594.78	3728564.09	0.05595	413614.78
3728564.09	0.05615			

▲ *** AERMOD - VERSION 19191 ***

*** AERMET - VERSION 16216 ***

*** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
05/26/20

16:48:31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
413634.78	3728564.09	0.05637	413654.78
3728564.09	0.05681		
413674.78	3728564.09	0.05792	413694.78
3728564.09	0.05869		
413714.78	3728564.09	0.05937	413734.78
3728564.09	0.06000		
413374.78	3728584.09	0.05032	413394.78
3728584.09	0.05081		
413414.78	3728584.09	0.05137	413434.78
3728584.09	0.05187		
413454.78	3728584.09	0.05202	413474.78
3728584.09	0.05291		
413494.78	3728584.09	0.05348	413514.78
3728584.09	0.05390		
413534.78	3728584.09	0.05431	413554.78
3728584.09	0.05453		
413574.78	3728584.09	0.05463	413594.78
3728584.09	0.05502		
413614.78	3728584.09	0.05548	413634.78
3728584.09	0.05609		
413654.78	3728584.09	0.05676	413674.78
3728584.09	0.05775		
413694.78	3728584.09	0.05875	413714.78
3728584.09	0.05938		
413734.78	3728584.09	0.05987	413374.78
3728604.09	0.04988		

413394.78	3728604.09	0.05050	413414.78
3728604.09	0.05099		
413434.78	3728604.09	0.05133	413454.78
3728604.09	0.05157		
413474.78	3728604.09	0.05246	413494.78
3728604.09	0.05292		
413514.78	3728604.09	0.05324	413534.78
3728604.09	0.05335		
413554.78	3728604.09	0.05365	413574.78
3728604.09	0.05415		
413594.78	3728604.09	0.05480	413614.78
3728604.09	0.05554		
413634.78	3728604.09	0.05640	413654.78
3728604.09	0.05739		
413674.78	3728604.09	0.05800	413694.78
3728604.09	0.05851		
413714.78	3728604.09	0.05899	413734.78
3728604.09	0.05944		
413414.78	3728624.09	0.05042	413434.78
3728624.09	0.05099		
413454.78	3728624.09	0.05096	413474.78
3728624.09	0.05165		
413494.78	3728624.09	0.05218	413514.78
3728624.09	0.05236		
413534.78	3728624.09	0.05284	413554.78
3728624.09	0.05350		
413574.78	3728624.09	0.05429	413594.78
3728624.09	0.05501		
413614.78	3728624.09	0.05600	413634.78
3728624.09	0.05661		
413654.78	3728624.09	0.05713	413674.78
3728624.09	0.05761		
413694.78	3728624.09	0.05808	413714.78
3728624.09	0.05854		
413734.78	3728624.09	0.05898	413414.78
3728644.09	0.05010		
413434.78	3728644.09	0.05063	413454.78
3728644.09	0.05104		
413474.78	3728644.09	0.05104	413494.78
3728644.09	0.05147		
413514.78	3728644.09	0.05199	413534.78
3728644.09	0.05303		
413554.78	3728644.09	0.05368	413574.78
3728644.09	0.05458		
413594.78	3728644.09	0.05520	413614.78
3728644.09	0.05572		
413634.78	3728644.09	0.05622	413654.78
3728644.09	0.05670		
413674.78	3728644.09	0.05717	413694.78
3728644.09	0.05763		

413714.78	3728644.09	0.05804	413734.78
3728644.09	0.05830		
413414.78	3728664.09	0.04968	413434.78
3728664.09	0.05027		

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^ *** AERMOD - VERSION 19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***                                05/26/20
*** AERMET - VERSION 16216 ***    ***
      ***                                16:48:31
  
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

413454.78	3728664.09	0.05085	413474.78
3728664.09	0.05113		
413494.78	3728664.09	0.05180	413514.78
3728664.09	0.05238		
413534.78	3728664.09	0.05317	413554.78
3728664.09	0.05378		
413574.78	3728664.09	0.05430	413594.78
3728664.09	0.05480		
413614.78	3728664.09	0.05530	413634.78
3728664.09	0.05578		
413654.78	3728664.09	0.05625	413674.78
3728664.09	0.05667		
413694.78	3728664.09	0.05688	413714.78
3728664.09	0.05712		
413734.78	3728664.09	0.05764	413414.78
3728684.09	0.04932		
413434.78	3728684.09	0.04986	413454.78

3728684.09	0.05040			
413474.78	3728684.09	0.05103		413494.78
3728684.09	0.05176			
413514.78	3728684.09	0.05234		413534.78
3728684.09	0.05286			
413554.78	3728684.09	0.05337		413574.78
3728684.09	0.05388			
413594.78	3728684.09	0.05437		413614.78
3728684.09	0.05486			
413634.78	3728684.09	0.05529		413654.78
3728684.09	0.05558			
413674.78	3728684.09	0.05561		413694.78
3728684.09	0.05597			
413714.78	3728684.09	0.05661		413734.78
3728684.09	0.05733			
410427.04	3723000.34	0.22987		410447.04
3723000.34	0.23877			
410467.04	3723000.34	0.24828		410487.04
3723000.34	0.25840			
410507.04	3723000.34	0.26917		410527.04
3723000.34	0.28073			
410547.04	3723000.34	0.29318		410567.04
3723000.34	0.30651			
410587.04	3723000.34	0.32074		410607.04
3723000.34	0.33610			
410627.04	3723000.34	0.35271		410647.04
3723000.34	0.37059			
410667.04	3723000.34	0.38981		410687.04
3723000.34	0.41067			
410707.04	3723000.34	0.43338		410727.04
3723000.34	0.45792			
410747.04	3723000.34	0.48462		410767.04
3723000.34	0.51371			
410787.04	3723000.34	0.54549		410807.04
3723000.34	0.58023			
410827.04	3723000.34	0.61832		410847.04
3723000.34	0.66021			
410867.04	3723000.34	0.70638		410887.04
3723000.34	0.75729			
410907.04	3723000.34	0.81375		410927.04
3723000.34	0.87645			
410947.04	3723000.34	0.94632		410967.04
3723000.34	1.02464			
410987.04	3723000.34	1.11266		411007.04
3723000.34	1.21220			
411027.04	3723000.34	1.32559		411047.04
3723000.34	1.45526			
411067.04	3723000.34	1.60509		411087.04
3723000.34	1.77983			
411107.04	3723000.34	1.98574		411127.04

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3723000.34      2.23143
411147.04      3723000.34      2.52880      411167.04
3723000.34      2.89425
411187.04      3723000.34      3.35176      411207.04
3723000.34      3.93676
411227.04      3723000.34      4.70247      411327.04
3723000.34      19.21231
410427.04      3723020.34      0.22707      410447.04
3723020.34      0.23573
410467.04      3723020.34      0.24494      410487.04
3723020.34      0.25476
410507.04      3723020.34      0.26526      410527.04
3723020.34      0.27650

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***                   05/26/20
*** AERMET - VERSION 16216 ***   ***
                        ***                   16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
, L0000155      , L0000156      , L0000157      ,
, L0000163      , L0000164      , L0000165      ,
, L0000171      , L0000172      , . . .      ,
, L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000166      , L0000167      , L0000168      , L0000169      , L0000170

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*** DISCRETE CARTESIAN RECEPTOR POINTS
***

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** CONC OF PM_10 IN MICROGRAMS/M**3

**

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          X-COORD (M)    Y-COORD (M)          CONC                   X-COORD (M)
Y-COORD (M)            CONC
-----
          410547.04    3723020.34         0.28853                   410567.04
3723020.34            0.30142
          410587.04    3723020.34         0.31524                   410607.04
3723020.34            0.33008
          410627.04    3723020.34         0.34605                   410647.04
3723020.34            0.36324
          410667.04    3723020.34         0.38178                   410687.04
3723020.34            0.40181

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410707.04	3723020.34	0.42349	410727.04
3723020.34	0.44697		
410747.04	3723020.34	0.47245	410767.04
3723020.34	0.50016		
410787.04	3723020.34	0.53028	410807.04
3723020.34	0.56316		
410827.04	3723020.34	0.59915	410847.04
3723020.34	0.63860		
410867.04	3723020.34	0.68192	410887.04
3723020.34	0.72960		
410907.04	3723020.34	0.78224	410927.04
3723020.34	0.84051		
410947.04	3723020.34	0.90522	410967.04
3723020.34	0.97742		
410987.04	3723020.34	1.05826	411007.04
3723020.34	1.14922		
411027.04	3723020.34	1.25218	411047.04
3723020.34	1.36946		
411067.04	3723020.34	1.50410	411087.04
3723020.34	1.65996		
411107.04	3723020.34	1.84214	411127.04
3723020.34	2.05752		
411147.04	3723020.34	2.31525	411167.04
3723020.34	2.62795		
411187.04	3723020.34	3.01336	411207.04
3723020.34	3.49636		
411227.04	3723020.34	4.11372	410427.04
3723040.34	0.22420		
410447.04	3723040.34	0.23260	410467.04
3723040.34	0.24158		
410487.04	3723040.34	0.25116	410507.04
3723040.34	0.26137		
410527.04	3723040.34	0.27226	410547.04
3723040.34	0.28391		
410567.04	3723040.34	0.29638	410587.04
3723040.34	0.30975		
410607.04	3723040.34	0.32399	410627.04
3723040.34	0.33935		
410647.04	3723040.34	0.35589	410667.04
3723040.34	0.37369		
410687.04	3723040.34	0.39288	410707.04
3723040.34	0.41360		
410727.04	3723040.34	0.43601	410747.04
3723040.34	0.46039		
410767.04	3723040.34	0.48657	410787.04
3723040.34	0.51515		
410807.04	3723040.34	0.54626	410827.04
3723040.34	0.58016		
410847.04	3723040.34	0.61724	410867.04
3723040.34	0.65784		

410887.04	3723040.34	0.70236	410907.04
3723040.34	0.75138		
410927.04	3723040.34	0.80543	410947.04
3723040.34	0.86500		
410967.04	3723040.34	0.93160	410987.04
3723040.34	1.00569		
411007.04	3723040.34	1.08863	411027.04
3723040.34	1.18197		
411047.04	3723040.34	1.28773	411067.04
3723040.34	1.40834		
411087.04	3723040.34	1.54695	411107.04
3723040.34	1.70765		
411127.04	3723040.34	1.89577	411147.04
3723040.34	2.11844		
411167.04	3723040.34	2.38511	411187.04
3723040.34	2.70891		
411207.04	3723040.34	3.10714	411227.04
3723040.34	3.60518		
410427.04	3723060.34	0.22125	410447.04
3723060.34	0.22940		
410467.04	3723060.34	0.23816	410487.04
3723060.34	0.24749		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

PAGE 405

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

410507.04	3723060.34	0.25741	410527.04
3723060.34	0.26796		
410547.04	3723060.34	0.27924	410567.04
3723060.34	0.29127		
410587.04	3723060.34	0.30418	410607.04
3723060.34	0.31788		
410627.04	3723060.34	0.33273	410647.04
3723060.34	0.34863		
410667.04	3723060.34	0.36570	410687.04
3723060.34	0.38407		
410707.04	3723060.34	0.40386	410727.04
3723060.34	0.42521		
410747.04	3723060.34	0.44832	410767.04
3723060.34	0.47310		
410787.04	3723060.34	0.50012	410807.04
3723060.34	0.52947		
410827.04	3723060.34	0.56123	410847.04
3723060.34	0.59606		
410867.04	3723060.34	0.63404	410887.04
3723060.34	0.67553		
410907.04	3723060.34	0.72105	410927.04
3723060.34	0.77109		
410947.04	3723060.34	0.82607	410967.04
3723060.34	0.88717		
410987.04	3723060.34	0.95488	411007.04
3723060.34	1.03031		
411027.04	3723060.34	1.11477	411047.04
3723060.34	1.20989		
411067.04	3723060.34	1.31768	411087.04
3723060.34	1.44063		
411107.04	3723060.34	1.58199	411127.04
3723060.34	1.74582		
411147.04	3723060.34	1.93779	411167.04
3723060.34	2.16527		
411187.04	3723060.34	2.43693	411207.04
3723060.34	2.76496		
411227.04	3723060.34	3.16788	411247.04
3723060.34	3.67105		
411267.04	3723060.34	4.31508	411287.04
3723060.34	5.16011		
410427.04	3723080.34	0.21817	410447.04
3723080.34	0.22618		
410467.04	3723080.34	0.23469	410487.04
3723080.34	0.24375		
410507.04	3723080.34	0.25338	410527.04
3723080.34	0.26360		
410547.04	3723080.34	0.27452	410567.04
3723080.34	0.28613		
410587.04	3723080.34	0.29857	410607.04

3723080.34	0.31176			
410627.04	3723080.34	0.32604		410647.04
3723080.34	0.34132			
410667.04	3723080.34	0.35766		410687.04
3723080.34	0.37521			
410707.04	3723080.34	0.39410		410727.04
3723080.34	0.41442			
410747.04	3723080.34	0.43633		410767.04
3723080.34	0.45978			
410787.04	3723080.34	0.48529		410807.04
3723080.34	0.51294			
410827.04	3723080.34	0.54277		410847.04
3723080.34	0.57542			
410867.04	3723080.34	0.61091		410887.04
3723080.34	0.64953			
410907.04	3723080.34	0.69163		410927.04
3723080.34	0.73795			
410947.04	3723080.34	0.78875		410967.04
3723080.34	0.84463			
410987.04	3723080.34	0.90628		411007.04
3723080.34	0.97493			
411027.04	3723080.34	1.05121		411047.04
3723080.34	1.13658			
411067.04	3723080.34	1.23262		411087.04
3723080.34	1.34167			
411107.04	3723080.34	1.46594		411127.04
3723080.34	1.60849			
411147.04	3723080.34	1.77388		411167.04
3723080.34	1.96776			
411187.04	3723080.34	2.19611		411207.04
3723080.34	2.46812			

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                                *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

```

INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
                    L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
                    L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
                    L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411227.04	3723080.34	2.79777	411247.04
3723080.34	3.20309		
411267.04	3723080.34	3.71314	411287.04
3723080.34	4.37523		
410427.04	3723100.34	0.21514	410447.04
3723100.34	0.22296		
410467.04	3723100.34	0.23122	410487.04
3723100.34	0.24000		
410507.04	3723100.34	0.24933	410527.04
3723100.34	0.25921		
410547.04	3723100.34	0.26976	410567.04
3723100.34	0.28097		
410587.04	3723100.34	0.29294	410607.04
3723100.34	0.30562		
410627.04	3723100.34	0.31928	410647.04
3723100.34	0.33390		
410667.04	3723100.34	0.34952	410687.04
3723100.34	0.36628		
410707.04	3723100.34	0.38426	410727.04
3723100.34	0.40357		
410747.04	3723100.34	0.42442	410767.04
3723100.34	0.44661		
410787.04	3723100.34	0.47068	410807.04
3723100.34	0.49674		
410827.04	3723100.34	0.52468	410847.04
3723100.34	0.55533		
410867.04	3723100.34	0.58844	410887.04
3723100.34	0.62434		
410907.04	3723100.34	0.66328	410927.04
3723100.34	0.70614		
410947.04	3723100.34	0.75285	410967.04
3723100.34	0.80397		
410987.04	3723100.34	0.86006	411007.04
3723100.34	0.92243		
411027.04	3723100.34	0.99129	411047.04
3723100.34	1.06781		
411067.04	3723100.34	1.15334	411087.04
3723100.34	1.24994		
411107.04	3723100.34	1.35906	411127.04
3723100.34	1.48310		

411147.04	3723100.34	1.62572	411167.04
3723100.34	1.79116		
411187.04	3723100.34	1.98397	411207.04
3723100.34	2.21127		
411227.04	3723100.34	2.48391	411247.04
3723100.34	2.81583		
411267.04	3723100.34	3.22688	411287.04
3723100.34	3.75527		
411307.04	3723100.34	4.44474	410427.04
3723120.34	0.21215		
410447.04	3723120.34	0.21972	410467.04
3723120.34	0.22772		
410487.04	3723120.34	0.23623	410507.04
3723120.34	0.24525		
410527.04	3723120.34	0.25481	410547.04
3723120.34	0.26499		
410567.04	3723120.34	0.27579	410587.04
3723120.34	0.28730		
410607.04	3723120.34	0.29948	410627.04
3723120.34	0.31259		
410647.04	3723120.34	0.32659	410667.04
3723120.34	0.34151		
410687.04	3723120.34	0.35748	410707.04
3723120.34	0.37458		
410727.04	3723120.34	0.39291	410747.04
3723120.34	0.41267		
410767.04	3723120.34	0.43363	410787.04
3723120.34	0.45632		
410807.04	3723120.34	0.48082	410827.04
3723120.34	0.50700		
410847.04	3723120.34	0.53567	410867.04
3723120.34	0.56651		
410887.04	3723120.34	0.59985	410907.04
3723120.34	0.63585		
410927.04	3723120.34	0.67539	410947.04
3723120.34	0.71827		
410967.04	3723120.34	0.76502	410987.04
3723120.34	0.81606		
411007.04	3723120.34	0.87257	411027.04
3723120.34	0.93463		

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 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411047.04	3723120.34	1.00321	411067.04
3723120.34	1.07941		
411087.04	3723120.34	1.16491	411107.04
3723120.34	1.26073		
411127.04	3723120.34	1.36884	411147.04
3723120.34	1.49208		
411167.04	3723120.34	1.63385	411187.04
3723120.34	1.79761		
411207.04	3723120.34	1.98906	411227.04
3723120.34	2.21668		
411247.04	3723120.34	2.49182	411267.04
3723120.34	2.83048		
411287.04	3723120.34	3.25803	411307.04
3723120.34	3.80951		
411327.04	3723120.34	4.51076	410707.04
3723140.34	0.36507		
410727.04	3723140.34	0.38246	410747.04
3723140.34	0.40109		
410767.04	3723140.34	0.42086	410787.04
3723140.34	0.44223		
410807.04	3723140.34	0.46521	410827.04
3723140.34	0.48974		
410847.04	3723140.34	0.51651	410867.04
3723140.34	0.54522		
410887.04	3723140.34	0.57613	410907.04
3723140.34	0.60941		
410927.04	3723140.34	0.64582	410947.04
3723140.34	0.68518		
410967.04	3723140.34	0.72789	410987.04
3723140.34	0.77431		
411007.04	3723140.34	0.82546	411027.04

3723140.34	0.88141		
411047.04	3723140.34	0.94283	411067.04
3723140.34	1.01069		
411087.04	3723140.34	1.08642	411107.04
3723140.34	1.17069		
411127.04	3723140.34	1.26512	411147.04
3723140.34	1.37195		
411167.04	3723140.34	1.49392	411187.04
3723140.34	1.63391		
411207.04	3723140.34	1.79638	411227.04
3723140.34	1.98850		
411247.04	3723140.34	2.21945	411267.04
3723140.34	2.50211		
411287.04	3723140.34	2.85539	411307.04
3723140.34	3.30253		
411327.04	3723140.34	3.86635	410707.04
3723160.34	0.35561		
410727.04	3723160.34	0.37210	410747.04
3723160.34	0.38972		
410767.04	3723160.34	0.40834	410787.04
3723160.34	0.42844		
410807.04	3723160.34	0.45001	410827.04
3723160.34	0.47296		
410847.04	3723160.34	0.49793	410867.04
3723160.34	0.52461		
410887.04	3723160.34	0.55327	410907.04
3723160.34	0.58401		
410927.04	3723160.34	0.61750	410947.04
3723160.34	0.65359		
410967.04	3723160.34	0.69258	410987.04
3723160.34	0.73480		
411007.04	3723160.34	0.78112	411027.04
3723160.34	0.83150		
411047.04	3723160.34	0.88649	411067.04
3723160.34	0.94700		
411087.04	3723160.34	1.01414	411107.04
3723160.34	1.08839		
411127.04	3723160.34	1.17108	411147.04
3723160.34	1.26406		
411167.04	3723160.34	1.36957	411187.04
3723160.34	1.49000		
411207.04	3723160.34	1.62909	411227.04
3723160.34	1.79292		
411247.04	3723160.34	1.98887	411267.04
3723160.34	2.22759		
411287.04	3723160.34	2.52355	411307.04
3723160.34	2.89298		
411327.04	3723160.34	3.35295	411347.04
3723160.34	3.91214		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411367.04	3723160.34	4.56422	410707.04
3723180.34	0.34623		
410727.04	3723180.34	0.36183	410747.04
3723180.34	0.37853		
410767.04	3723180.34	0.39610	410787.04
3723180.34	0.41500		
410807.04	3723180.34	0.43523	410827.04
3723180.34	0.45665		
410847.04	3723180.34	0.47994	410867.04
3723180.34	0.50473		
410887.04	3723180.34	0.53127	410907.04
3723180.34	0.55964		
410927.04	3723180.34	0.59046	410947.04
3723180.34	0.62352		
410967.04	3723180.34	0.65914	410987.04
3723180.34	0.69751		
411007.04	3723180.34	0.73945	411027.04
3723180.34	0.78483		
411047.04	3723180.34	0.83424	411067.04
3723180.34	0.88827		
411087.04	3723180.34	0.94773	411107.04
3723180.34	1.01330		

411127.04	3723180.34	1.08593	411147.04
3723180.34	1.16716		
411167.04	3723180.34	1.25893	411187.04
3723180.34	1.36328		
411207.04	3723180.34	1.48333	411227.04
3723180.34	1.62431		
411247.04	3723180.34	1.79234	411267.04
3723180.34	1.99595		
411287.04	3723180.34	2.24619	411307.04
3723180.34	2.55602		
411327.04	3723180.34	2.93758	411347.04
3723180.34	3.39824		
411367.04	3723180.34	3.93610	411387.04
3723180.34	4.53748		
410707.04	3723200.34	0.33713	410727.04
3723200.34	0.35188		
410747.04	3723200.34	0.36761	410767.04
3723200.34	0.38414		
410787.04	3723200.34	0.40190	410807.04
3723200.34	0.42085		
410827.04	3723200.34	0.44086	410847.04
3723200.34	0.46255		
410867.04	3723200.34	0.48560	410887.04
3723200.34	0.51016		
410907.04	3723200.34	0.53633	410927.04
3723200.34	0.56468		
410947.04	3723200.34	0.59498	410967.04
3723200.34	0.62747		
410987.04	3723200.34	0.66236	411007.04
3723200.34	0.70033		
411027.04	3723200.34	0.74127	411047.04
3723200.34	0.78567		
411067.04	3723200.34	0.83398	411087.04
3723200.34	0.88681		
411107.04	3723200.34	0.94483	411127.04
3723200.34	1.00883		
411147.04	3723200.34	1.08016	411167.04
3723200.34	1.16045		
411187.04	3723200.34	1.25142	411207.04
3723200.34	1.35589		
411227.04	3723200.34	1.47818	411247.04
3723200.34	1.62355		
411267.04	3723200.34	1.79884	411287.04
3723200.34	2.01268		
411307.04	3723200.34	2.27589	411327.04
3723200.34	2.59650		
411347.04	3723200.34	2.98043	411367.04
3723200.34	3.42892		
411387.04	3723200.34	3.93242	410707.04
3723220.34	0.32818		

410727.04	3723220.34	0.34213	410747.04
3723220.34	0.35694		
410767.04	3723220.34	0.37250	410787.04
3723220.34	0.38917		
410807.04	3723220.34	0.40691	410827.04
3723220.34	0.42560		
410847.04	3723220.34	0.44580	410867.04
3723220.34	0.46718		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
, L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
, L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
, L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

410887.04	3723220.34	0.48992	410907.04
3723220.34	0.51407		
410927.04	3723220.34	0.54015	410947.04
3723220.34	0.56791		
410967.04	3723220.34	0.59757	410987.04
3723220.34	0.62929		
411007.04	3723220.34	0.66367	411027.04
3723220.34	0.70061		
411047.04	3723220.34	0.74050	411067.04
3723220.34	0.78374		
411087.04	3723220.34	0.83082	411107.04
3723220.34	0.88233		
411127.04	3723220.34	0.93898	411147.04

3723220.34	1.00191		
411167.04	3723220.34	1.07253	411187.04
3723220.34	1.15242		
411207.04	3723220.34	1.24396	411227.04
3723220.34	1.35096		
411247.04	3723220.34	1.47772	411267.04
3723220.34	1.62986		
411287.04	3723220.34	1.81437	411307.04
3723220.34	2.03956		
411327.04	3723220.34	2.31198	411347.04
3723220.34	2.63645		
411367.04	3723220.34	3.01372	411387.04
3723220.34	3.43885		
410707.04	3723240.34	0.31936	410727.04
3723240.34	0.33254		
410747.04	3723240.34	0.34648	410767.04
3723240.34	0.36116		
410787.04	3723240.34	0.37681	410807.04
3723240.34	0.39340		
410827.04	3723240.34	0.41087	410847.04
3723240.34	0.42968		
410867.04	3723240.34	0.44951	410887.04
3723240.34	0.47056		
410907.04	3723240.34	0.49283	410927.04
3723240.34	0.51681		
410947.04	3723240.34	0.54226	410967.04
3723240.34	0.56934		
410987.04	3723240.34	0.59819	411007.04
3723240.34	0.62931		
411027.04	3723240.34	0.66264	411047.04
3723240.34	0.69851		
411067.04	3723240.34	0.73729	411087.04
3723240.34	0.77941		
411107.04	3723240.34	0.82528	411127.04
3723240.34	0.87567		
411147.04	3723240.34	0.93146	411167.04
3723240.34	0.99387		
411187.04	3723240.34	1.06445	411207.04
3723240.34	1.14528		
411227.04	3723240.34	1.23957	411247.04
3723240.34	1.35089		
411267.04	3723240.34	1.48394	411287.04
3723240.34	1.64434		
411307.04	3723240.34	1.83872	411327.04
3723240.34	2.07223		
411347.04	3723240.34	2.34897	411367.04
3723240.34	2.66959		
411387.04	3723240.34	3.03148	411407.04
3723240.34	3.42506		
410707.04	3723260.34	0.31069	410727.04

3723260.34 0.32313
410747.04 3723260.34 0.33627 410767.04
3723260.34 0.35016
410787.04 3723260.34 0.36482 410807.04
3723260.34 0.38031
410827.04 3723260.34 0.39667 410847.04
3723260.34 0.41421
410867.04 3723260.34 0.43260 410887.04
3723260.34 0.45207
410907.04 3723260.34 0.47260 410927.04
3723260.34 0.49467
410947.04 3723260.34 0.51799 410967.04
3723260.34 0.54274
410987.04 3723260.34 0.56903 411007.04
3723260.34 0.59735
411027.04 3723260.34 0.62750 411047.04
3723260.34 0.65979

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
411067.04	3723260.34	0.69463	411087.04
3723260.34	0.73245		
411107.04	3723260.34	0.77347	411127.04
3723260.34	0.81834		

411147.04	3723260.34	0.86810	411167.04
3723260.34	0.92360		
411187.04	3723260.34	0.98630	411207.04
3723260.34	1.05805		
411227.04	3723260.34	1.14157	411247.04
3723260.34	1.23994		
411267.04	3723260.34	1.35705	411287.04
3723260.34	1.49746		
411307.04	3723260.34	1.66649	411327.04
3723260.34	1.86830		
411347.04	3723260.34	2.10628	411367.04
3723260.34	2.38123		
411387.04	3723260.34	2.69146	411407.04
3723260.34	3.03021		
410707.04	3723280.34	0.30240	410727.04
3723280.34	0.31411		
410747.04	3723280.34	0.32654	410767.04
3723280.34	0.33953		
410787.04	3723280.34	0.35330	410807.04
3723280.34	0.36784		
410827.04	3723280.34	0.38302	410847.04
3723280.34	0.39931		
410867.04	3723280.34	0.41639	410887.04
3723280.34	0.43440		
410907.04	3723280.34	0.45335	410927.04
3723280.34	0.47363		
410947.04	3723280.34	0.49503	410967.04
3723280.34	0.51764		
410987.04	3723280.34	0.54163	411007.04
3723280.34	0.56737		
411027.04	3723280.34	0.59470	411047.04
3723280.34	0.62386		
411067.04	3723280.34	0.65522	411087.04
3723280.34	0.68922		
411107.04	3723280.34	0.72605	411127.04
3723280.34	0.76628		
411147.04	3723280.34	0.81072	411167.04
3723280.34	0.86041		
411187.04	3723280.34	0.91644	411207.04
3723280.34	0.98049		
411227.04	3723280.34	1.05493	411247.04
3723280.34	1.14236		
411267.04	3723280.34	1.24603	411287.04
3723280.34	1.36971		
411307.04	3723280.34	1.51768	411327.04
3723280.34	1.69334		
411347.04	3723280.34	1.89951	411367.04
3723280.34	2.13715		
411387.04	3723280.34	2.40480	411407.04
3723280.34	2.69825		

410707.04	3723300.34	0.29427	410727.04
3723300.34	0.30533		
410747.04	3723300.34	0.31703	410767.04
3723300.34	0.32921		
410787.04	3723300.34	0.34214	410807.04
3723300.34	0.35574		
410827.04	3723300.34	0.36989	410847.04
3723300.34	0.38504		
410867.04	3723300.34	0.40090	410887.04
3723300.34	0.41755		
410907.04	3723300.34	0.43505	410927.04
3723300.34	0.45364		
410947.04	3723300.34	0.47326	410967.04
3723300.34	0.49396		
410987.04	3723300.34	0.51592	411007.04
3723300.34	0.53933		
411027.04	3723300.34	0.56414	411047.04
3723300.34	0.59054		
411067.04	3723300.34	0.61886	411087.04
3723300.34	0.64952		
411107.04	3723300.34	0.68257	411127.04
3723300.34	0.71875		
411147.04	3723300.34	0.75883	411167.04
3723300.34	0.80346		
411187.04	3723300.34	0.85382	411207.04
3723300.34	0.91126		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
411227.04	3723300.34	0.97792	411247.04
3723300.34	1.05602		
411267.04	3723300.34	1.14829	411287.04
3723300.34	1.25790		
411307.04	3723300.34	1.38816	411327.04
3723300.34	1.54210		
411347.04	3723300.34	1.72191	411367.04
3723300.34	1.92864		
411387.04	3723300.34	2.16128	411407.04
3723300.34	2.41678		
411427.04	3723300.34	2.68933	411447.04
3723300.34	2.97110		
410707.04	3723320.34	0.28635	410727.04
3723320.34	0.29678		
410747.04	3723320.34	0.30782	410767.04
3723320.34	0.31924		
410787.04	3723320.34	0.33136	410807.04
3723320.34	0.34407		
410827.04	3723320.34	0.35727	410847.04
3723320.34	0.37138		
410867.04	3723320.34	0.38610	410887.04
3723320.34	0.40151		
410907.04	3723320.34	0.41769	410927.04
3723320.34	0.43482		
410947.04	3723320.34	0.45280	410967.04
3723320.34	0.47177		
410987.04	3723320.34	0.49179	411007.04
3723320.34	0.51314		
411027.04	3723320.34	0.53568	411047.04
3723320.34	0.55964		
411067.04	3723320.34	0.58530	411087.04
3723320.34	0.61304		
411107.04	3723320.34	0.64289	411127.04
3723320.34	0.67558		
411147.04	3723320.34	0.71176	411167.04
3723320.34	0.75206		
411187.04	3723320.34	0.79754	411207.04
3723320.34	0.84938		
411227.04	3723320.34	0.90938	411247.04
3723320.34	0.97946		
411267.04	3723320.34	1.06200	411287.04
3723320.34	1.15957		
411307.04	3723320.34	1.27485	411327.04
3723320.34	1.41044		
411347.04	3723320.34	1.56820	411367.04

3723320.34 1.74908
411387.04 3723320.34 1.95250 411407.04
3723320.34 2.17613
411427.04 3723320.34 2.41570 411447.04
3723320.34 2.66498
411467.04 3723320.34 2.91675 411487.04
3723320.34 3.16228
410707.04 3723340.34 0.27865 410727.04
3723340.34 0.28848
410747.04 3723340.34 0.29888 410767.04
3723340.34 0.30960
410787.04 3723340.34 0.32095 410807.04
3723340.34 0.33284
410827.04 3723340.34 0.34516 410847.04
3723340.34 0.35828
410867.04 3723340.34 0.37195 410887.04
3723340.34 0.38625
410907.04 3723340.34 0.40124 410927.04
3723340.34 0.41698
410947.04 3723340.34 0.43351 410967.04
3723340.34 0.45088
410987.04 3723340.34 0.46916 411007.04
3723340.34 0.48865
411027.04 3723340.34 0.50918 411047.04
3723340.34 0.53098
411067.04 3723340.34 0.55429 411087.04
3723340.34 0.57948
411107.04 3723340.34 0.60660 411127.04
3723340.34 0.63629
411147.04 3723340.34 0.66901 411167.04
3723340.34 0.70555
411187.04 3723340.34 0.74679 411207.04
3723340.34 0.79377
411227.04 3723340.34 0.84800 411247.04
3723340.34 0.91116

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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162

, L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411267.04	3723340.34	0.98527	411287.04
3723340.34	1.07250		
411307.04	3723340.34	1.17509	411327.04
3723340.34	1.29511		
411347.04	3723340.34	1.43431	411367.04
3723340.34	1.59340		
411387.04	3723340.34	1.77220	411407.04
3723340.34	1.96892		
411427.04	3723340.34	2.18036	411447.04
3723340.34	2.40160		
411467.04	3723340.34	2.62676	411487.04
3723340.34	2.84934		
410707.04	3723360.34	0.27116	410727.04
3723360.34	0.28044		
410747.04	3723360.34	0.29022	410767.04
3723360.34	0.30029		
410787.04	3723360.34	0.31092	410807.04
3723360.34	0.32203		
410827.04	3723360.34	0.33353	410847.04
3723360.34	0.34573		
410867.04	3723360.34	0.35842	410887.04
3723360.34	0.37168		
410907.04	3723360.34	0.38553	410927.04
3723360.34	0.40005		
410947.04	3723360.34	0.41526	410967.04
3723360.34	0.43118		
410987.04	3723360.34	0.44794	411007.04
3723360.34	0.46577		
411027.04	3723360.34	0.48451	411047.04
3723360.34	0.50439		
411067.04	3723360.34	0.52563	411087.04
3723360.34	0.54857		
411107.04	3723360.34	0.57328	411127.04
3723360.34	0.60026		
411147.04	3723360.34	0.63005	411167.04
3723360.34	0.66332		

411187.04	3723360.34	0.70087	411207.04
3723360.34	0.74359		
411227.04	3723360.34	0.79280	411247.04
3723360.34	0.84996		
411267.04	3723360.34	0.91677	411287.04
3723360.34	0.99508		
411307.04	3723360.34	1.08677	411327.04
3723360.34	1.19356		
411347.04	3723360.34	1.31697	411367.04
3723360.34	1.45764		
411387.04	3723360.34	1.61552	411407.04
3723360.34	1.78936		
411427.04	3723360.34	1.97673	411447.04
3723360.34	2.17368		
411467.04	3723360.34	2.37569	411487.04
3723360.34	2.57715		
410707.04	3723380.34	0.26391	410727.04
3723380.34	0.27265		
410747.04	3723380.34	0.28185	410767.04
3723380.34	0.29131		
410787.04	3723380.34	0.30128	410807.04
3723380.34	0.31164		
410827.04	3723380.34	0.32239	410847.04
3723380.34	0.33367		
410867.04	3723380.34	0.34544	410887.04
3723380.34	0.35770		
410907.04	3723380.34	0.37052	410927.04
3723380.34	0.38391		
410947.04	3723380.34	0.39792	410967.04
3723380.34	0.41259		
410987.04	3723380.34	0.42803	411007.04
3723380.34	0.44436		
411027.04	3723380.34	0.46153	411047.04
3723380.34	0.47969		
411067.04	3723380.34	0.49911	411087.04
3723380.34	0.52008		
411107.04	3723380.34	0.54266	411127.04
3723380.34	0.56729		
411147.04	3723380.34	0.59457	411167.04
3723380.34	0.62501		
411187.04	3723380.34	0.65920	411207.04
3723380.34	0.69816		
411227.04	3723380.34	0.74296	411247.04
3723380.34	0.79487		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411267.04	3723380.34	0.85533	411287.04
3723380.34	0.92590		
411307.04	3723380.34	1.00818	411327.04
3723380.34	1.10364		
411347.04	3723380.34	1.21352	411367.04
3723380.34	1.33851		
411387.04	3723380.34	1.47860	411407.04
3723380.34	1.63289		
411427.04	3723380.34	1.79949	411447.04
3723380.34	1.97548		
411467.04	3723380.34	2.15697	411487.04
3723380.34	2.33938		
411507.04	3723380.34	2.51772	411527.04
3723380.34	2.68695		
411547.04	3723380.34	2.84245	411567.04
3723380.34	2.97954		
411587.04	3723380.34	3.07997	411607.04
3723380.34	3.18913		
410707.04	3723400.34	0.25688	410727.04
3723400.34	0.26510		
410747.04	3723400.34	0.27377	410767.04
3723400.34	0.28264		
410787.04	3723400.34	0.29197	410807.04
3723400.34	0.30170		
410827.04	3723400.34	0.31176	410847.04
3723400.34	0.32227		
410867.04	3723400.34	0.33320	410887.04

3723400.34	0.34457		
410907.04	3723400.34	0.35643	410927.04
3723400.34	0.36880		
410947.04	3723400.34	0.38172	410967.04
3723400.34	0.39521		
410987.04	3723400.34	0.40935	411007.04
3723400.34	0.42435		
411027.04	3723400.34	0.44010	411047.04
3723400.34	0.45678		
411067.04	3723400.34	0.47460	411087.04
3723400.34	0.49378		
411107.04	3723400.34	0.51444	411127.04
3723400.34	0.53706		
411147.04	3723400.34	0.56205	411167.04
3723400.34	0.58997		
411187.04	3723400.34	0.62138	411207.04
3723400.34	0.65705		
411227.04	3723400.34	0.69798	411247.04
3723400.34	0.74527		
411267.04	3723400.34	0.80015	411287.04
3723400.34	0.86397		
411307.04	3723400.34	0.93807	411327.04
3723400.34	1.02373		
411347.04	3723400.34	1.12197	411367.04
3723400.34	1.23345		
411387.04	3723400.34	1.35824	411407.04
3723400.34	1.49572		
411427.04	3723400.34	1.64441	411447.04
3723400.34	1.80197		
411467.04	3723400.34	1.96532	411487.04
3723400.34	2.13066		
411507.04	3723400.34	2.29417	411527.04
3723400.34	2.45095		
411547.04	3723400.34	2.59739	411567.04
3723400.34	2.72918		
411587.04	3723400.34	2.83463	411607.04
3723400.34	2.92965		
410707.04	3723420.34	0.25004	410727.04
3723420.34	0.25779		
410747.04	3723420.34	0.26594	410767.04
3723420.34	0.27428		
410787.04	3723420.34	0.28304	410807.04
3723420.34	0.29215		
410827.04	3723420.34	0.30155	410847.04
3723420.34	0.31134		
410867.04	3723420.34	0.32149	410887.04
3723420.34	0.33203		
410907.04	3723420.34	0.34299	410927.04
3723420.34	0.35444		
410947.04	3723420.34	0.36639	410967.04

3723420.34 0.37882
 410987.04 3723420.34 0.39182 411007.04

3723420.34 0.40563

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411027.04	3723420.34	0.42010	411047.04
3723420.34	0.43543		
411067.04	3723420.34	0.45180	411087.04
3723420.34	0.46944		
411107.04	3723420.34	0.48844	411127.04
3723420.34	0.50923		
411147.04	3723420.34	0.53221	411167.04
3723420.34	0.55791		
411187.04	3723420.34	0.58681	411207.04
3723420.34	0.61957		
411227.04	3723420.34	0.65707	411247.04
3723420.34	0.70027		
411267.04	3723420.34	0.75024	411287.04
3723420.34	0.80815		
411307.04	3723420.34	0.87512	411327.04
3723420.34	0.95226		
411347.04	3723420.34	1.04046	411367.04
3723420.34	1.14030		

411387.04	3723420.34	1.25194	411407.04
3723420.34	1.37488		
411427.04	3723420.34	1.50804	411447.04
3723420.34	1.64959		
411467.04	3723420.34	1.79702	411487.04
3723420.34	1.94722		
411507.04	3723420.34	2.09673	411527.04
3723420.34	2.24180		
411547.04	3723420.34	2.37902	411567.04
3723420.34	2.50478		
411587.04	3723420.34	2.61177	411607.04
3723420.34	2.69403		
410707.04	3723440.34	0.24338	410727.04
3723440.34	0.25073		
410747.04	3723440.34	0.25836	410767.04
3723440.34	0.26622		
410787.04	3723440.34	0.27445	410807.04
3723440.34	0.28296		
410827.04	3723440.34	0.29169	410847.04
3723440.34	0.30087		
410867.04	3723440.34	0.31029	410887.04
3723440.34	0.32001		
410907.04	3723440.34	0.33016	410927.04
3723440.34	0.34083		
410947.04	3723440.34	0.35188	410967.04
3723440.34	0.36336		
410987.04	3723440.34	0.37535	411007.04
3723440.34	0.38809		
411027.04	3723440.34	0.40137	411047.04
3723440.34	0.41542		
411067.04	3723440.34	0.43052	411087.04
3723440.34	0.44686		
411107.04	3723440.34	0.46445	411127.04
3723440.34	0.48360		
411147.04	3723440.34	0.50481	411167.04
3723440.34	0.52856		
411187.04	3723440.34	0.55514	411207.04
3723440.34	0.58535		
411227.04	3723440.34	0.61980	411247.04
3723440.34	0.65938		
411267.04	3723440.34	0.70504	411287.04
3723440.34	0.75771		
411307.04	3723440.34	0.81840	411327.04
3723440.34	0.88812		
411347.04	3723440.34	0.96760	411367.04
3723440.34	1.05735		
411387.04	3723440.34	1.15757	411407.04
3723440.34	1.26791		
411427.04	3723440.34	1.38751	411447.04
3723440.34	1.51500		

3723460.34	0.34879		
410987.04	3723460.34	0.35988	411007.04
3723460.34	0.37167		
411027.04	3723460.34	0.38395	411047.04
3723460.34	0.39695		
411067.04	3723460.34	0.41090	411087.04
3723460.34	0.42600		
411107.04	3723460.34	0.44230	411127.04
3723460.34	0.46002		
411147.04	3723460.34	0.47966	411167.04
3723460.34	0.50162		
411187.04	3723460.34	0.52622	411207.04
3723460.34	0.55416		
411227.04	3723460.34	0.58589	411247.04
3723460.34	0.62226		
411267.04	3723460.34	0.66406	411287.04
3723460.34	0.71211		
411307.04	3723460.34	0.76722	411327.04
3723460.34	0.83048		
411347.04	3723460.34	0.90233	411367.04
3723460.34	0.98327		
411387.04	3723460.34	1.07352	411407.04
3723460.34	1.17287		
411427.04	3723460.34	1.28061	411447.04
3723460.34	1.39573		
411467.04	3723460.34	1.51653	411487.04
3723460.34	1.64086		
411507.04	3723460.34	1.76630	411527.04
3723460.34	1.89023		
411547.04	3723460.34	2.00978	411567.04
3723460.34	2.12255		
411587.04	3723460.34	2.22512	411607.04
3723460.34	2.30281		
410707.04	3723480.34	0.23074	410727.04
3723480.34	0.23726		
410747.04	3723480.34	0.24401	410767.04
3723480.34	0.25096		
410787.04	3723480.34	0.25819	410807.04
3723480.34	0.26564		
410827.04	3723480.34	0.27325	410847.04
3723480.34	0.28125		
410867.04	3723480.34	0.28942	410887.04
3723480.34	0.29783		
410907.04	3723480.34	0.30656	410927.04
3723480.34	0.31575		
410947.04	3723480.34	0.32524	410967.04
3723480.34	0.33506		
410987.04	3723480.34	0.34535	411007.04
3723480.34	0.35627		
411027.04	3723480.34	0.36765	411047.04

3723480.34	0.37969			
411067.04	3723480.34	0.39264		411087.04
3723480.34	0.40666			
411107.04	3723480.34	0.42179		411127.04
3723480.34	0.43823			
411147.04	3723480.34	0.45646		411167.04
3723480.34	0.47683			
411187.04	3723480.34	0.49964		411207.04
3723480.34	0.52549			
411227.04	3723480.34	0.55479		411247.04
3723480.34	0.58827			
411267.04	3723480.34	0.62665		411287.04
3723480.34	0.67061			
411307.04	3723480.34	0.72086		411327.04
3723480.34	0.77837			
411347.04	3723480.34	0.84352		411367.04
3723480.34	0.91676			
411387.04	3723480.34	0.99829		411407.04
3723480.34	1.08802			
411427.04	3723480.34	1.18538		411447.04
3723480.34	1.28960			

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 , ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 , ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 , ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

411467.04	3723480.34	1.39928	411487.04
3723480.34	1.51266		
411507.04	3723480.34	1.62765	411527.04
3723480.34	1.74212		
411547.04	3723480.34	1.85350	411567.04
3723480.34	1.95969		
411587.04	3723480.34	2.05799	411607.04
3723480.34	2.13764		
410707.04	3723500.34	0.22475	410727.04
3723500.34	0.23091		
410747.04	3723500.34	0.23725	410767.04
3723500.34	0.24375		
410787.04	3723500.34	0.25053	410807.04
3723500.34	0.25750		
410827.04	3723500.34	0.26462	410847.04
3723500.34	0.27208		
410867.04	3723500.34	0.27970	410887.04
3723500.34	0.28753		
410907.04	3723500.34	0.29565	410927.04
3723500.34	0.30421		
410947.04	3723500.34	0.31302	410967.04
3723500.34	0.32214		
410987.04	3723500.34	0.33169	411007.04
3723500.34	0.34183		
411027.04	3723500.34	0.35241	411047.04
3723500.34	0.36360		
411067.04	3723500.34	0.37563	411087.04
3723500.34	0.38868		
411107.04	3723500.34	0.40275	411127.04
3723500.34	0.41805		
411147.04	3723500.34	0.43501	411167.04
3723500.34	0.45396		
411187.04	3723500.34	0.47516	411207.04
3723500.34	0.49913		
411227.04	3723500.34	0.52623	411247.04
3723500.34	0.55713		
411267.04	3723500.34	0.59244	411287.04
3723500.34	0.63276		
411307.04	3723500.34	0.67872	411327.04
3723500.34	0.73114		
411347.04	3723500.34	0.79038	411367.04
3723500.34	0.85682		
411387.04	3723500.34	0.93072	411407.04
3723500.34	1.01200		
411427.04	3723500.34	1.10023	411447.04
3723500.34	1.19480		
411467.04	3723500.34	1.29459	411487.04
3723500.34	1.39813		
411507.04	3723500.34	1.50370	411527.04
3723500.34	1.60940		

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411227.04	3723520.34	0.49999	411247.04
3723520.34	0.52854		
411267.04	3723520.34	0.56108	411287.04
3723520.34	0.59815		
411307.04	3723520.34	0.64034	411327.04
3723520.34	0.68822		
411347.04	3723520.34	0.74220	411367.04
3723520.34	0.80267		
411387.04	3723520.34	0.86983	411407.04
3723520.34	0.94366		
411427.04	3723520.34	1.02385	411447.04
3723520.34	1.10988		
411467.04	3723520.34	1.20082	411487.04
3723520.34	1.29539		
411507.04	3723520.34	1.39217	411527.04
3723520.34	1.49006		
411547.04	3723520.34	1.58666	411567.04
3723520.34	1.68017		
411587.04	3723520.34	1.76897	411607.04
3723520.34	1.85039		
410707.04	3723540.34	0.21322	410727.04
3723540.34	0.21869		
410747.04	3723540.34	0.22432	410767.04
3723540.34	0.23010		
410787.04	3723540.34	0.23607	410807.04
3723540.34	0.24220		
410827.04	3723540.34	0.24843	410847.04
3723540.34	0.25496		
410867.04	3723540.34	0.26160	410887.04
3723540.34	0.26841		
410907.04	3723540.34	0.27547	410927.04
3723540.34	0.28291		
410947.04	3723540.34	0.29054	410967.04
3723540.34	0.29845		
410987.04	3723540.34	0.30673	411007.04
3723540.34	0.31555		
411027.04	3723540.34	0.32475	411047.04
3723540.34	0.33448		
411067.04	3723540.34	0.34496	411087.04
3723540.34	0.35633		
411107.04	3723540.34	0.36861	411127.04

3723540.34	0.38194			
411147.04	3723540.34	0.39673		411167.04
3723540.34	0.41324			
411187.04	3723540.34	0.43165		411207.04
3723540.34	0.45239			
411227.04	3723540.34	0.47573		411247.04
3723540.34	0.50221			
411267.04	3723540.34	0.53228		411287.04
3723540.34	0.56643			
411307.04	3723540.34	0.60514		411327.04
3723540.34	0.64904			
411347.04	3723540.34	0.69840		411367.04
3723540.34	0.75357			
411387.04	3723540.34	0.81477		411407.04
3723540.34	0.88199			
411427.04	3723540.34	0.95500		411447.04
3723540.34	1.03343			
411467.04	3723540.34	1.11653		411487.04
3723540.34	1.20329			
411507.04	3723540.34	1.29247		411527.04
3723540.34	1.38276			
411547.04	3723540.34	1.47253		411567.04
3723540.34	1.56013			
411587.04	3723540.34	1.64413		411607.04
3723540.34	1.72243			
410707.04	3723560.34	0.20782		410727.04
3723560.34	0.21296			
410747.04	3723560.34	0.21826		410767.04
3723560.34	0.22367			
410787.04	3723560.34	0.22926		410807.04
3723560.34	0.23501			
410827.04	3723560.34	0.24084		410847.04
3723560.34	0.24696			
410867.04	3723560.34	0.25317		410887.04
3723560.34	0.25955			
410907.04	3723560.34	0.26614		410927.04
3723560.34	0.27309			
410947.04	3723560.34	0.28023		410967.04

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146

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, L0000147      , L0000148      , L0000149      ,
                  L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
                  L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
                  L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410987.04	3723560.34	0.29534	411007.04
3723560.34	0.30359		
411027.04	3723560.34	0.31219	411047.04
3723560.34	0.32130		
411067.04	3723560.34	0.33111	411087.04
3723560.34	0.34176		
411107.04	3723560.34	0.35326	411127.04
3723560.34	0.36576		
411147.04	3723560.34	0.37961	411167.04
3723560.34	0.39506		
411187.04	3723560.34	0.41226	411207.04
3723560.34	0.43161		
411227.04	3723560.34	0.45334	411247.04
3723560.34	0.47792		
411267.04	3723560.34	0.50577	411287.04
3723560.34	0.53728		
411307.04	3723560.34	0.57290	411327.04
3723560.34	0.61322		
411347.04	3723560.34	0.65848	411367.04
3723560.34	0.70895		
411387.04	3723560.34	0.76484	411407.04
3723560.34	0.82621		
411427.04	3723560.34	0.89282	411447.04
3723560.34	0.96448		
411467.04	3723560.34	1.04053	411487.04
3723560.34	1.12018		
411507.04	3723560.34	1.20233	411527.04
3723560.34	1.28583		
411547.04	3723560.34	1.36928	411567.04
3723560.34	1.45131		
411587.04	3723560.34	1.53060	411607.04
3723560.34	1.60546		

410707.04	3723580.34	0.20255	410727.04
3723580.34	0.20741		
410747.04	3723580.34	0.21241	410767.04
3723580.34	0.21747		
410787.04	3723580.34	0.22270	410807.04
3723580.34	0.22808		
410827.04	3723580.34	0.23356	410847.04
3723580.34	0.23924		
410867.04	3723580.34	0.24506	410887.04
3723580.34	0.25107		
410907.04	3723580.34	0.25726	410927.04
3723580.34	0.26370		
410947.04	3723580.34	0.27038	410967.04
3723580.34	0.27731		
410987.04	3723580.34	0.28458	411007.04
3723580.34	0.29224		
411027.04	3723580.34	0.30032	411047.04
3723580.34	0.30891		
411067.04	3723580.34	0.31810	411087.04
3723580.34	0.32805		
411107.04	3723580.34	0.33884	411127.04
3723580.34	0.35064		
411147.04	3723580.34	0.36364	411167.04
3723580.34	0.37814		
411187.04	3723580.34	0.39425	411207.04
3723580.34	0.41234		
411227.04	3723580.34	0.43260	411247.04
3723580.34	0.45546		
411267.04	3723580.34	0.48130	411287.04
3723580.34	0.51044		
411307.04	3723580.34	0.54329	411327.04
3723580.34	0.58040		
411347.04	3723580.34	0.62197	411367.04
3723580.34	0.66824		
411387.04	3723580.34	0.71942	411407.04
3723580.34	0.77557		
411427.04	3723580.34	0.83650	411447.04
3723580.34	0.90211		
411467.04	3723580.34	0.97185	411487.04
3723580.34	1.04506		
411507.04	3723580.34	1.12078	411527.04
3723580.34	1.19806		
411547.04	3723580.34	1.27570	411567.04
3723580.34	1.35248		
411587.04	3723580.34	1.42721	411607.04
3723580.34	1.49847		
410707.04	3723600.34	0.19743	410727.04
3723600.34	0.20201		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410747.04	3723600.34	0.20670	410767.04
3723600.34	0.21150		
410787.04	3723600.34	0.21645	410807.04
3723600.34	0.22153		
410827.04	3723600.34	0.22669	410847.04
3723600.34	0.23199		
410867.04	3723600.34	0.23747	410887.04
3723600.34	0.24309		
410907.04	3723600.34	0.24891	410927.04
3723600.34	0.25494		
410947.04	3723600.34	0.26119	410967.04
3723600.34	0.26771		
410987.04	3723600.34	0.27454	411007.04
3723600.34	0.28171		
411027.04	3723600.34	0.28931	411047.04
3723600.34	0.29739		
411067.04	3723600.34	0.30597	411087.04
3723600.34	0.31536		
411107.04	3723600.34	0.32552	411127.04
3723600.34	0.33662		
411147.04	3723600.34	0.34883	411167.04
3723600.34	0.36239		
411187.04	3723600.34	0.37751	411207.04

3723600.34	0.39440		
411227.04	3723600.34	0.41332	411247.04
3723600.34	0.43460		
411267.04	3723600.34	0.45861	411287.04
3723600.34	0.48563		
411307.04	3723600.34	0.51603	411327.04
3723600.34	0.55024		
411347.04	3723600.34	0.58848	411367.04
3723600.34	0.63099		
411387.04	3723600.34	0.67797	411407.04
3723600.34	0.72946		
411427.04	3723600.34	0.78535	411447.04
3723600.34	0.84554		
411467.04	3723600.34	0.90959	411487.04
3723600.34	0.97697		
411507.04	3723600.34	1.04687	411527.04
3723600.34	1.11845		
411547.04	3723600.34	1.19071	411567.04
3723600.34	1.26255		
411587.04	3723600.34	1.33291	411607.04
3723600.34	1.40055		
410707.04	3723620.34	0.19245	410727.04
3723620.34	0.19678		
410747.04	3723620.34	0.20121	410767.04
3723620.34	0.20575		
410787.04	3723620.34	0.21043	410807.04
3723620.34	0.21523		
410827.04	3723620.34	0.22009	410847.04
3723620.34	0.22508		
410867.04	3723620.34	0.23022	410887.04
3723620.34	0.23551		
410907.04	3723620.34	0.24099	410927.04
3723620.34	0.24663		
410947.04	3723620.34	0.25250	410967.04
3723620.34	0.25863		
410987.04	3723620.34	0.26505	411007.04
3723620.34	0.27181		
411027.04	3723620.34	0.27895	411047.04
3723620.34	0.28656		
411067.04	3723620.34	0.29460	411087.04
3723620.34	0.30347		
411107.04	3723620.34	0.31306	411127.04
3723620.34	0.32352		
411147.04	3723620.34	0.33502	411167.04
3723620.34	0.34773		
411187.04	3723620.34	0.36188	411207.04
3723620.34	0.37765		
411227.04	3723620.34	0.39534	411247.04
3723620.34	0.41520		
411267.04	3723620.34	0.43753	411287.04

410787.04	3723640.34	0.20465	410807.04
3723640.34	0.20917		
410827.04	3723640.34	0.21375	410847.04
3723640.34	0.21846		
410867.04	3723640.34	0.22331	410887.04
3723640.34	0.22829		
410907.04	3723640.34	0.23343	410927.04
3723640.34	0.23873		
410947.04	3723640.34	0.24424	410967.04
3723640.34	0.25001		
410987.04	3723640.34	0.25607	411007.04
3723640.34	0.26243		
411027.04	3723640.34	0.26917	411047.04
3723640.34	0.27634		
411067.04	3723640.34	0.28395	411087.04
3723640.34	0.29231		
411107.04	3723640.34	0.30134	411127.04
3723640.34	0.31120		
411147.04	3723640.34	0.32203	411167.04
3723640.34	0.33399		
411187.04	3723640.34	0.34728	411207.04
3723640.34	0.36207		
411227.04	3723640.34	0.37866	411247.04
3723640.34	0.39723		
411267.04	3723640.34	0.41805	411287.04
3723640.34	0.44141		
411307.04	3723640.34	0.46757	411327.04
3723640.34	0.49682		
411347.04	3723640.34	0.52939	411367.04
3723640.34	0.56551		
411387.04	3723640.34	0.60530	411407.04
3723640.34	0.64889		
411427.04	3723640.34	0.69623	411447.04
3723640.34	0.74715		
411467.04	3723640.34	0.80149	411487.04
3723640.34	0.85881		
411507.04	3723640.34	0.91857	411527.04
3723640.34	0.98015		
411547.04	3723640.34	1.04279	411567.04
3723640.34	1.10570		
411587.04	3723640.34	1.16794	411607.04
3723640.34	1.22865		
410707.04	3723660.34	0.18311	410727.04
3723660.34	0.18698		
410747.04	3723660.34	0.19093	410767.04
3723660.34	0.19492		
410787.04	3723660.34	0.19909	410807.04
3723660.34	0.20333		
410827.04	3723660.34	0.20762	410847.04
3723660.34	0.21206		

3723660.34	0.42174			
411307.04	3723660.34	0.44605		411327.04
3723660.34	0.47317			
411347.04	3723660.34	0.50333		411367.04
3723660.34	0.53669			
411387.04	3723660.34	0.57346		411407.04
3723660.34	0.61365			
411427.04	3723660.34	0.65730		411447.04
3723660.34	0.70425			
411467.04	3723660.34	0.75443		411487.04
3723660.34	0.80742			
411507.04	3723660.34	0.86277		411527.04
3723660.34	0.91995			
411547.04	3723660.34	0.97833		411567.04
3723660.34	1.03721			
411587.04	3723660.34	1.09574		411607.04
3723660.34	1.15315			
410907.04	3723680.34	0.21932		410927.04
3723680.34	0.22403			
410947.04	3723680.34	0.22891		410967.04
3723680.34	0.23404			
410987.04	3723680.34	0.23944		411007.04
3723680.34	0.24512			
411027.04	3723680.34	0.25115		411047.04
3723680.34	0.25758			
411067.04	3723680.34	0.26445		411087.04
3723680.34	0.27187			
411107.04	3723680.34	0.27994		411127.04
3723680.34	0.28873			
411147.04	3723680.34	0.29842		411167.04
3723680.34	0.30909			
411187.04	3723680.34	0.32083		411207.04
3723680.34	0.33386			
411227.04	3723680.34	0.34850		411247.04
3723680.34	0.36482			
411267.04	3723680.34	0.38305		411287.04
3723680.34	0.40338			
411307.04	3723680.34	0.42602		411327.04
3723680.34	0.45122			
411347.04	3723680.34	0.47918		411367.04
3723680.34	0.51010			
411387.04	3723680.34	0.54408		411407.04
3723680.34	0.58124			
411427.04	3723680.34	0.62156		411447.04
3723680.34	0.66497			
411467.04	3723680.34	0.71136		411487.04
3723680.34	0.76040			
411507.04	3723680.34	0.81173		411527.04
3723680.34	0.86491			
411547.04	3723680.34	0.91933		411567.04

3723680.34 0.97445
411587.04 3723680.34 1.02947 411607.04
3723680.34 1.08369
410907.04 3723700.34 0.21276 410927.04
3723700.34 0.21721
410947.04 3723700.34 0.22185 410967.04
3723700.34 0.22669
410987.04 3723700.34 0.23180 411007.04
3723700.34 0.23719
411027.04 3723700.34 0.24290 411047.04
3723700.34 0.24898
411067.04 3723700.34 0.25554 411087.04
3723700.34 0.26258
411107.04 3723700.34 0.27023 411127.04
3723700.34 0.27853
411147.04 3723700.34 0.28769 411167.04
3723700.34 0.29778
411187.04 3723700.34 0.30885 411207.04
3723700.34 0.32111
411227.04 3723700.34 0.33489 411247.04
3723700.34 0.35020
411267.04 3723700.34 0.36727 411287.04
3723700.34 0.38627
411307.04 3723700.34 0.40736 411327.04
3723700.34 0.43081

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
411347.04	3723700.34	0.45680	411367.04
3723700.34	0.48546		
411387.04	3723700.34	0.51697	411407.04
3723700.34	0.55136		
411427.04	3723700.34	0.58868	411447.04
3723700.34	0.62884		
411467.04	3723700.34	0.67182	411487.04
3723700.34	0.71730		
411507.04	3723700.34	0.76497	411527.04
3723700.34	0.81445		
411547.04	3723700.34	0.86525	411567.04
3723700.34	0.91685		
411587.04	3723700.34	0.96858	411607.04
3723700.34	1.01980		
410907.04	3723720.34	0.20651	410927.04
3723720.34	0.21072		
410947.04	3723720.34	0.21512	410967.04
3723720.34	0.21970		
410987.04	3723720.34	0.22452	411007.04
3723720.34	0.22963		
411027.04	3723720.34	0.23506	411047.04
3723720.34	0.24082		
411067.04	3723720.34	0.24710	411087.04
3723720.34	0.25379		
411107.04	3723720.34	0.26103	411127.04
3723720.34	0.26890		
411147.04	3723720.34	0.27759	411167.04
3723720.34	0.28714		
411187.04	3723720.34	0.29759	411207.04
3723720.34	0.30916		
411227.04	3723720.34	0.32214	411247.04
3723720.34	0.33651		
411267.04	3723720.34	0.35250	411287.04
3723720.34	0.37025		
411307.04	3723720.34	0.38997	411327.04
3723720.34	0.41183		
411347.04	3723720.34	0.43599	411367.04
3723720.34	0.46264		
411387.04	3723720.34	0.49187	411407.04
3723720.34	0.52378		
411427.04	3723720.34	0.55838	411447.04
3723720.34	0.59561		
411467.04	3723720.34	0.63547	411487.04
3723720.34	0.67771		
411507.04	3723720.34	0.72203	411527.04
3723720.34	0.76812		

411547.04	3723720.34	0.81557	411567.04
3723720.34	0.86389		
411587.04	3723720.34	0.91253	411607.04
3723720.34	0.96091		
410907.04	3723740.34	0.20056	410927.04
3723740.34	0.20456		
410947.04	3723740.34	0.20873	410967.04
3723740.34	0.21311		
410987.04	3723740.34	0.21768	411007.04
3723740.34	0.22252		
411027.04	3723740.34	0.22768	411047.04
3723740.34	0.23315		
411067.04	3723740.34	0.23908	411087.04
3723740.34	0.24547		
411107.04	3723740.34	0.25235	411127.04
3723740.34	0.25983		
411147.04	3723740.34	0.26806	411167.04
3723740.34	0.27712		
411187.04	3723740.34	0.28701	411207.04
3723740.34	0.29793		
411227.04	3723740.34	0.31017	411247.04
3723740.34	0.32368		
411267.04	3723740.34	0.33867	411287.04
3723740.34	0.35529		
411307.04	3723740.34	0.37371	411327.04
3723740.34	0.39411		
411347.04	3723740.34	0.41665	411367.04
3723740.34	0.44144		
411387.04	3723740.34	0.46861	411407.04
3723740.34	0.49826		
411427.04	3723740.34	0.53041	411447.04
3723740.34	0.56502		
411467.04	3723740.34	0.60203	411487.04
3723740.34	0.64127		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
, L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
, L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,

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L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411507.04	3723740.34	0.68253	411527.04
3723740.34	0.72551		
411547.04	3723740.34	0.76985	411567.04
3723740.34	0.81514		
411587.04	3723740.34	0.86088	411607.04
3723740.34	0.90656		
410907.04	3723760.34	0.19487	410927.04
3723760.34	0.19866		
410947.04	3723760.34	0.20262	410967.04
3723760.34	0.20679		
410987.04	3723760.34	0.21116	411007.04
3723760.34	0.21575		
411027.04	3723760.34	0.22066	411047.04
3723760.34	0.22588		
411067.04	3723760.34	0.23153	411087.04
3723760.34	0.23761		
411107.04	3723760.34	0.24416	411127.04
3723760.34	0.25126		
411147.04	3723760.34	0.25907	411167.04
3723760.34	0.26767		
411187.04	3723760.34	0.27705	411207.04
3723760.34	0.28736		
411227.04	3723760.34	0.29890	411247.04
3723760.34	0.31164		
411267.04	3723760.34	0.32572	411287.04
3723760.34	0.34132		
411307.04	3723760.34	0.35858	411327.04
3723760.34	0.37765		
411347.04	3723760.34	0.39871	411367.04
3723760.34	0.42181		
411387.04	3723760.34	0.44712	411407.04
3723760.34	0.47468		
411427.04	3723760.34	0.50458	411447.04
3723760.34	0.53677		
411467.04	3723760.34	0.57117	411487.04
3723760.34	0.60769		
411507.04	3723760.34	0.64613	411527.04

3723760.34	0.68624		
411547.04	3723760.34	0.72771	411567.04
3723760.34	0.77017		
411587.04	3723760.34	0.81320	411607.04
3723760.34	0.85633		
410907.04	3723780.34	0.18946	410927.04
3723780.34	0.19305		
410947.04	3723780.34	0.19683	410967.04
3723780.34	0.20080		
410987.04	3723780.34	0.20495	411007.04
3723780.34	0.20936		
411027.04	3723780.34	0.21403	411047.04
3723780.34	0.21899		
411067.04	3723780.34	0.22439	411087.04
3723780.34	0.23017		
411107.04	3723780.34	0.23640	411127.04
3723780.34	0.24313		
411147.04	3723780.34	0.25059	411167.04
3723780.34	0.25875		
411187.04	3723780.34	0.26765	411207.04
3723780.34	0.27740		
411227.04	3723780.34	0.28831	411247.04
3723780.34	0.30031		
411267.04	3723780.34	0.31354	411287.04
3723780.34	0.32819		
411307.04	3723780.34	0.34438	411327.04
3723780.34	0.36223		
411347.04	3723780.34	0.38191	411367.04
3723780.34	0.40350		
411387.04	3723780.34	0.42710	411407.04
3723780.34	0.45276		
411427.04	3723780.34	0.48061	411447.04
3723780.34	0.51058		
411467.04	3723780.34	0.54262	411487.04
3723780.34	0.57666		
411507.04	3723780.34	0.61252	411527.04
3723780.34	0.64999		
411547.04	3723780.34	0.68881	411567.04
3723780.34	0.72865		
411587.04	3723780.34	0.76914	411607.04
3723780.34	0.80983		
410907.04	3723800.34	0.18425	410927.04
3723800.34	0.18768		

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 ***   ***
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
410947.04	3723800.34	0.19131	410967.04
3723800.34	0.19509		
410987.04	3723800.34	0.19904	411007.04
3723800.34	0.20324		
411027.04	3723800.34	0.20771	411047.04
3723800.34	0.21247		
411067.04	3723800.34	0.21759	411087.04
3723800.34	0.22310		
411107.04	3723800.34	0.22904	411127.04
3723800.34	0.23546		
411147.04	3723800.34	0.24256	411167.04
3723800.34	0.25031		
411187.04	3723800.34	0.25877	411207.04
3723800.34	0.26800		
411227.04	3723800.34	0.27831	411247.04
3723800.34	0.28963		
411267.04	3723800.34	0.30208	411287.04
3723800.34	0.31585		
411307.04	3723800.34	0.33104	411327.04
3723800.34	0.34778		
411347.04	3723800.34	0.36621	411367.04
3723800.34	0.38638		
411387.04	3723800.34	0.40843	411407.04
3723800.34	0.43237		
411427.04	3723800.34	0.45834	411447.04
3723800.34	0.48629		
411467.04	3723800.34	0.51617	411487.04
3723800.34	0.54793		

411507.04	3723800.34	0.58142	411527.04
3723800.34	0.61648		
411547.04	3723800.34	0.65284	411567.04
3723800.34	0.69024		
411587.04	3723800.34	0.72835	411607.04
3723800.34	0.76679		
410907.04	3723820.34	0.17929	410927.04
3723820.34	0.18258		
410947.04	3723820.34	0.18602	410967.04
3723820.34	0.18962		
410987.04	3723820.34	0.19341	411007.04
3723820.34	0.19743		
411027.04	3723820.34	0.20169	411047.04
3723820.34	0.20624		
411067.04	3723820.34	0.21111	411087.04
3723820.34	0.21637		
411107.04	3723820.34	0.22204	411127.04
3723820.34	0.22821		
411147.04	3723820.34	0.23493	411167.04
3723820.34	0.24227		
411187.04	3723820.34	0.25031	411207.04
3723820.34	0.25914		
411227.04	3723820.34	0.26884	411247.04
3723820.34	0.27952		
411267.04	3723820.34	0.29128	411287.04
3723820.34	0.30425		
411307.04	3723820.34	0.31853	411327.04
3723820.34	0.33423		
411347.04	3723820.34	0.35148	411367.04
3723820.34	0.37036		
411387.04	3723820.34	0.39097	411407.04
3723820.34	0.41338		
411427.04	3723820.34	0.43762	411447.04
3723820.34	0.46371		
411467.04	3723820.34	0.49163	411487.04
3723820.34	0.52130		
411507.04	3723820.34	0.55262	411527.04
3723820.34	0.58543		
411547.04	3723820.34	0.61953	411567.04
3723820.34	0.65467		
411587.04	3723820.34	0.69056	411607.04
3723820.34	0.72688		
410907.04	3723840.34	0.17458	410927.04
3723840.34	0.17771		
410947.04	3723840.34	0.18099	410967.04
3723840.34	0.18445		
410987.04	3723840.34	0.18807	411007.04
3723840.34	0.19191		
411027.04	3723840.34	0.19598	411047.04
3723840.34	0.20035		

411067.04 3723840.34 0.20501 411087.04
 3723840.34 0.21001
 *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
411107.04	3723840.34	0.21543	411127.04
3723840.34	0.22136		
411147.04	3723840.34	0.22777	411167.04
3723840.34	0.23475		
411187.04	3723840.34	0.24239	411207.04
3723840.34	0.25076		
411227.04	3723840.34	0.25994	411247.04
3723840.34	0.27005		
411267.04	3723840.34	0.28116	411287.04
3723840.34	0.29338		
411307.04	3723840.34	0.30682	411327.04
3723840.34	0.32158		
411347.04	3723840.34	0.33775	411367.04
3723840.34	0.35545		
411387.04	3723840.34	0.37475	411407.04
3723840.34	0.39569		
411427.04	3723840.34	0.41834	411447.04
3723840.34	0.44275		
411467.04	3723840.34	0.46884	411487.04

3723840.34	0.49659		
411507.04	3723840.34	0.52591	411527.04
3723840.34	0.55665		
411547.04	3723840.34	0.58865	411567.04
3723840.34	0.62167		
411587.04	3723840.34	0.65549	411607.04
3723840.34	0.68979		
410907.04	3723860.34	0.17007	410927.04
3723860.34	0.17306		
410947.04	3723860.34	0.17618	410967.04
3723860.34	0.17950		
410987.04	3723860.34	0.18298	411007.04
3723860.34	0.18665		
411027.04	3723860.34	0.19054	411047.04
3723860.34	0.19471		
411067.04	3723860.34	0.19919	411087.04
3723860.34	0.20401		
411107.04	3723860.34	0.20921	411127.04
3723860.34	0.21486		
411147.04	3723860.34	0.22096	411167.04
3723860.34	0.22762		
411187.04	3723860.34	0.23488	411207.04
3723860.34	0.24282		
411227.04	3723860.34	0.25153	411247.04
3723860.34	0.26110		
411267.04	3723860.34	0.27159	411287.04
3723860.34	0.28311		
411307.04	3723860.34	0.29578	411327.04
3723860.34	0.30965		
411347.04	3723860.34	0.32485	411367.04
3723860.34	0.34146		
411387.04	3723860.34	0.35955	411407.04
3723860.34	0.37917		
411427.04	3723860.34	0.40037	411447.04
3723860.34	0.42322		
411467.04	3723860.34	0.44765	411487.04
3723860.34	0.47361		
411507.04	3723860.34	0.50108	411527.04
3723860.34	0.52993		
411547.04	3723860.34	0.55998	411567.04
3723860.34	0.59103		
411587.04	3723860.34	0.62290	411607.04
3723860.34	0.65532		
410907.04	3723880.34	0.16570	410927.04
3723880.34	0.16859		
410947.04	3723880.34	0.17159	410967.04
3723880.34	0.17474		
410987.04	3723880.34	0.17806	411007.04
3723880.34	0.18159		
411027.04	3723880.34	0.18533	411047.04

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3723880.34      0.18932
    411067.04    3723880.34      0.19364      411087.04
3723880.34      0.19828
    411107.04    3723880.34      0.20324      411127.04
3723880.34      0.20862
    411147.04    3723880.34      0.21445      411167.04
3723880.34      0.22080
    411187.04    3723880.34      0.22770      411207.04
3723880.34      0.23526
    411227.04    3723880.34      0.24353      411247.04
3723880.34      0.25258

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
          INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
          L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
          L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
          L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
411267.04	3723880.34	0.26251	411287.04
3723880.34	0.27340		
411307.04	3723880.34	0.28533	411327.04
3723880.34	0.29839		
411347.04	3723880.34	0.31268	411367.04
3723880.34	0.32828		
411387.04	3723880.34	0.34526	411407.04
3723880.34	0.36365		
411427.04	3723880.34	0.38357	411447.04
3723880.34	0.40500		

411467.04	3723880.34	0.42789	411487.04
3723880.34	0.45222		
411507.04	3723880.34	0.47798	411527.04
3723880.34	0.50506		
411547.04	3723880.34	0.53330	411567.04
3723880.34	0.56253		
411587.04	3723880.34	0.59258	411607.04
3723880.34	0.62323		
410907.04	3723900.34	0.16161	410927.04
3723900.34	0.16441		
410947.04	3723900.34	0.16728	410967.04
3723900.34	0.17028		
410987.04	3723900.34	0.17348	411007.04
3723900.34	0.17690		
411027.04	3723900.34	0.18047	411047.04
3723900.34	0.18424		
411067.04	3723900.34	0.18839	411087.04
3723900.34	0.19282		
411107.04	3723900.34	0.19757	411127.04
3723900.34	0.20274		
411147.04	3723900.34	0.20833	411167.04
3723900.34	0.21438		
411187.04	3723900.34	0.22094	411207.04
3723900.34	0.22815		
411227.04	3723900.34	0.23599	411247.04
3723900.34	0.24457		
411267.04	3723900.34	0.25399	411287.04
3723900.34	0.26428		
411307.04	3723900.34	0.27551	411327.04
3723900.34	0.28783		
411347.04	3723900.34	0.30127	411367.04
3723900.34	0.31596		
411387.04	3723900.34	0.33192	411407.04
3723900.34	0.34915		
411427.04	3723900.34	0.36785	411447.04
3723900.34	0.38796		
411467.04	3723900.34	0.40944	411487.04
3723900.34	0.43227		
411507.04	3723900.34	0.45644	411527.04
3723900.34	0.48188		
411547.04	3723900.34	0.50845	411567.04
3723900.34	0.53600		
411587.04	3723900.34	0.56435	411607.04
3723900.34	0.59332		
410907.04	3723920.34	0.15768	410927.04
3723920.34	0.16036		
410947.04	3723920.34	0.16311	410967.04
3723920.34	0.16599		
410987.04	3723920.34	0.16907	411007.04
3723920.34	0.17234		

411027.04	3723920.34	0.17577	411047.04
3723920.34	0.17940		
411067.04	3723920.34	0.18337	411087.04
3723920.34	0.18761		
411107.04	3723920.34	0.19216	411127.04
3723920.34	0.19713		
411147.04	3723920.34	0.20246	411167.04
3723920.34	0.20823		
411187.04	3723920.34	0.21451	411207.04
3723920.34	0.22134		
411227.04	3723920.34	0.22880	411247.04
3723920.34	0.23695		
411267.04	3723920.34	0.24586	411287.04
3723920.34	0.25559		
411307.04	3723920.34	0.26623	411327.04
3723920.34	0.27785		
411347.04	3723920.34	0.29054	411367.04
3723920.34	0.30436		
411387.04	3723920.34	0.31937	411407.04
3723920.34	0.33556		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
411427.04	3723920.34	0.35314	411447.04

3723920.34	0.37203		
411467.04	3723920.34	0.39220	411487.04
3723920.34	0.41363		
411507.04	3723920.34	0.43635	411527.04
3723920.34	0.46027		
411547.04	3723920.34	0.48529	411567.04
3723920.34	0.51126		
411587.04	3723920.34	0.53802	411607.04
3723920.34	0.56542		
410907.04	3723940.34	0.15390	410927.04
3723940.34	0.15647		
410947.04	3723940.34	0.15912	410967.04
3723940.34	0.16189		
410987.04	3723940.34	0.16485	411007.04
3723940.34	0.16800		
411027.04	3723940.34	0.17128	411047.04
3723940.34	0.17477		
411067.04	3723940.34	0.17858	411087.04
3723940.34	0.18266		
411107.04	3723940.34	0.18701	411127.04
3723940.34	0.19176		
411147.04	3723940.34	0.19687	411167.04
3723940.34	0.20239		
411187.04	3723940.34	0.20839	411207.04
3723940.34	0.21490		
411227.04	3723940.34	0.22199	411247.04
3723940.34	0.22972		
411267.04	3723940.34	0.23816	411287.04
3723940.34	0.24738		
411307.04	3723940.34	0.25746	411327.04
3723940.34	0.26846		
411347.04	3723940.34	0.28042	411367.04
3723940.34	0.29346		
411387.04	3723940.34	0.30759	411407.04
3723940.34	0.32281		
411427.04	3723940.34	0.33933	411447.04
3723940.34	0.35709		
411467.04	3723940.34	0.37605	411487.04
3723940.34	0.39622		
411507.04	3723940.34	0.41760	411527.04
3723940.34	0.44011		
411547.04	3723940.34	0.46367	411567.04
3723940.34	0.48816		
411587.04	3723940.34	0.51344	411607.04
3723940.34	0.53937		
410907.04	3723960.34	0.15028	410927.04
3723960.34	0.15276		
410947.04	3723960.34	0.15530	410967.04
3723960.34	0.15796		
410987.04	3723960.34	0.16080	411007.04

3723960.34	0.16384			
411027.04	3723960.34	0.16700		411047.04
3723960.34	0.17034			
411067.04	3723960.34	0.17401		411087.04
3723960.34	0.17792			
411107.04	3723960.34	0.18209		411127.04
3723960.34	0.18665			
411147.04	3723960.34	0.19153		411167.04
3723960.34	0.19681			
411187.04	3723960.34	0.20252		411207.04
3723960.34	0.20873			
411227.04	3723960.34	0.21547		411247.04
3723960.34	0.22281			
411267.04	3723960.34	0.23081		411287.04
3723960.34	0.23958			
411307.04	3723960.34	0.24914		411327.04
3723960.34	0.25954			
411347.04	3723960.34	0.27084		411367.04
3723960.34	0.28314			
411387.04	3723960.34	0.29647		411407.04
3723960.34	0.31080			
411427.04	3723960.34	0.32635		411447.04
3723960.34	0.34306			
411467.04	3723960.34	0.36092		411487.04
3723960.34	0.37992			
411507.04	3723960.34	0.40006		411527.04
3723960.34	0.42127			
411547.04	3723960.34	0.44347		411567.04

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3723960.34    0.46657
^ *** AERMOD - VERSION 19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2    ***
                                INCLUDING SOURCE(S):    L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                                L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    , . . .    ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3723960.34	411587.04	3723960.34	0.49046	411607.04
			0.51501	
3727370.39	412145.57	3727370.39	0.04113	412165.57
			0.04164	
3727370.39	412185.57	3727370.39	0.04210	412205.57
			0.04260	
3727370.39	412225.57	3727370.39	0.04313	412245.57
			0.04367	
3727370.39	412265.57	3727370.39	0.04418	412285.57
			0.04472	
3727370.39	412305.57	3727370.39	0.04527	412325.57
			0.04584	
3727370.39	412345.57	3727370.39	0.04642	412365.57
			0.04702	
3727390.39	412145.57	3727390.39	0.04081	412165.57
			0.04130	
3727390.39	412185.57	3727390.39	0.04176	412205.57
			0.04226	
3727390.39	412225.57	3727390.39	0.04278	412245.57
			0.04330	
3727390.39	412265.57	3727390.39	0.04381	412285.57
			0.04434	
3727390.39	412305.57	3727390.39	0.04489	412325.57
			0.04545	
3727390.39	412345.57	3727390.39	0.04603	412365.57
			0.04660	
3727410.39	412145.57	3727410.39	0.04048	412165.57
			0.04095	
3727410.39	412185.57	3727410.39	0.04143	412205.57
			0.04192	
3727410.39	412225.57	3727410.39	0.04242	412245.57
			0.04293	
3727410.39	412265.57	3727410.39	0.04345	412285.57
			0.04397	
3727410.39	412305.57	3727410.39	0.04451	412325.57
			0.04506	
3727410.39	412345.57	3727410.39	0.04562	412365.57
			0.04618	
3727430.39	412145.57	3727430.39	0.04013	412165.57
			0.04058	
3727430.39	412185.57	3727430.39	0.04105	412205.57
			0.04153	

412225.57	3727430.39	0.04203	412245.57
3727430.39	0.04253		
412265.57	3727430.39	0.04304	412285.57
3727430.39	0.04356		
412305.57	3727430.39	0.04409	412325.57
3727430.39	0.04464		
412345.57	3727430.39	0.04519	412365.57
3727430.39	0.04576		
412145.57	3727450.39	0.03978	412165.57
3727450.39	0.04024		
412185.57	3727450.39	0.04071	412205.57
3727450.39	0.04118		
412225.57	3727450.39	0.04166	412245.57
3727450.39	0.04215		
412265.57	3727450.39	0.04265	412285.57
3727450.39	0.04317		
412305.57	3727450.39	0.04369	412325.57
3727450.39	0.04423		
412345.57	3727450.39	0.04478	412365.57
3727450.39	0.04535		
412145.57	3727470.39	0.03946	412165.57
3727470.39	0.03991		
412185.57	3727470.39	0.04038	412205.57
3727470.39	0.04083		
412225.57	3727470.39	0.04131	412245.57
3727470.39	0.04180		
412265.57	3727470.39	0.04229	412285.57
3727470.39	0.04280		
412305.57	3727470.39	0.04332	412325.57
3727470.39	0.04385		
412345.57	3727470.39	0.04439	412365.57
3727470.39	0.04495		
412145.57	3727490.39	0.03915	412165.57
3727490.39	0.03959		
412185.57	3727490.39	0.04004	412205.57
3727490.39	0.04050		
412225.57	3727490.39	0.04097	412245.57
3727490.39	0.04145		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,

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, L0000155      , L0000156      , L0000157      ,
, L0000163      , L0000164      , L0000165      ,
, L0000171      , L0000172      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3727490.39	412265.57	3727490.39	0.04194	412285.57
3727490.39	412305.57	3727490.39	0.04295	412325.57
3727490.39	412345.57	3727490.39	0.04400	412365.57
3727510.39	412145.57	3727510.39	0.03883	412165.57
3727510.39	412185.57	3727510.39	0.03971	412205.57
3727510.39	412225.57	3727510.39	0.04062	412245.57
3727510.39	412265.57	3727510.39	0.04158	412285.57
3727510.39	412305.57	3727510.39	0.04257	412325.57
3727510.39	412345.57	3727510.39	0.04361	412365.57
3727530.39	412145.57	3727530.39	0.03854	412165.57
3727530.39	412185.57	3727530.39	0.03940	412205.57
3727530.39	412225.57	3727530.39	0.04030	412245.57
3727530.39	412265.57	3727530.39	0.04125	412285.57
3727530.39	412305.57	3727530.39	0.04223	412325.57
3727530.39	412345.57	3727530.39	0.04324	412365.57
3727550.39	412145.57	3727550.39	0.03825	412165.57
3727550.39	412185.57	3727550.39	0.03909	412205.57

3727550.39	0.03953			
412225.57	3727550.39	0.03998		412245.57
3727550.39	0.04044			
412265.57	3727550.39	0.04091		412285.57
3727550.39	0.04139			
412305.57	3727550.39	0.04188		412325.57
3727550.39	0.04238			
412345.57	3727550.39	0.04287		412365.57
3727550.39	0.04340			
412145.57	3727570.39	0.03793		412165.57
3727570.39	0.03834			
412185.57	3727570.39	0.03877		412205.57
3727570.39	0.03919			
412225.57	3727570.39	0.03964		412245.57
3727570.39	0.04009			
412265.57	3727570.39	0.04055		412285.57
3727570.39	0.04102			
412305.57	3727570.39	0.04151		412325.57
3727570.39	0.04203			
412345.57	3727570.39	0.04251		412365.57
3727570.39	0.04302			
412145.57	3727590.39	0.03763		412165.57
3727590.39	0.03804			
412185.57	3727590.39	0.03846		412205.57
3727590.39	0.03888			
412225.57	3727590.39	0.03932		412245.57
3727590.39	0.03977			
412265.57	3727590.39	0.04022		412285.57
3727590.39	0.04068			
412305.57	3727590.39	0.04117		412325.57
3727590.39	0.04168			
412345.57	3727590.39	0.04215		412365.57
3727590.39	0.04266			
412145.57	3727610.39	0.03736		412165.57
3727610.39	0.03776			
412185.57	3727610.39	0.03817		412205.57
3727610.39	0.03859			
412225.57	3727610.39	0.03902		412245.57
3727610.39	0.03947			
412265.57	3727610.39	0.03990		412285.57
3727610.39	0.04035			
412305.57	3727610.39	0.04083		412325.57
3727610.39	0.04133			
412345.57	3727610.39	0.04180		412365.57
3727610.39	0.04230			
412145.57	3727630.39	0.03709		412165.57
3727630.39	0.03748			

▲ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412185.57	3727630.39	0.03789	412205.57
3727630.39	0.03830		
412225.57	3727630.39	0.03873	412245.57
3727630.39	0.03916		
412265.57	3727630.39	0.03959	412285.57
3727630.39	0.04003		
412305.57	3727630.39	0.04050	412325.57
3727630.39	0.04099		
412345.57	3727630.39	0.04147	412365.57
3727630.39	0.04196		
412145.57	3727650.39	0.03679	412165.57
3727650.39	0.03717		
412185.57	3727650.39	0.03758	412205.57
3727650.39	0.03798		
412225.57	3727650.39	0.03840	412245.57
3727650.39	0.03883		
412265.57	3727650.39	0.03926	412285.57
3727650.39	0.03970		
412305.57	3727650.39	0.04017	412325.57
3727650.39	0.04065		
412345.57	3727650.39	0.04111	412365.57
3727650.39	0.04160		
412145.57	3727670.39	0.03651	412165.57
3727670.39	0.03689		

412185.57	3727670.39	0.03729	412205.57
3727670.39	0.03769		
412225.57	3727670.39	0.03810	412245.57
3727670.39	0.03852		
412265.57	3727670.39	0.03895	412285.57
3727670.39	0.03938		
412305.57	3727670.39	0.03984	412325.57
3727670.39	0.04032		
412345.57	3727670.39	0.04077	412365.57
3727670.39	0.04125		
412145.57	3727690.39	0.03626	412165.57
3727690.39	0.03664		
412185.57	3727690.39	0.03702	412205.57
3727690.39	0.03742		
412225.57	3727690.39	0.03782	412245.57
3727690.39	0.03824		
412265.57	3727690.39	0.03865	412285.57
3727690.39	0.03908		
412305.57	3727690.39	0.03953	412325.57
3727690.39	0.04000		
412345.57	3727690.39	0.04044	412365.57
3727690.39	0.04092		
412145.57	3727710.39	0.03600	412165.57
3727710.39	0.03637		
412185.57	3727710.39	0.03675	412205.57
3727710.39	0.03714		
412225.57	3727710.39	0.03754	412245.57
3727710.39	0.03795		
412265.57	3727710.39	0.03835	412285.57
3727710.39	0.03877		
412305.57	3727710.39	0.03921	412325.57
3727710.39	0.03968		
412345.57	3727710.39	0.04011	412365.57
3727710.39	0.04058		
412145.57	3727730.39	0.03571	412165.57
3727730.39	0.03608		
412185.57	3727730.39	0.03646	412205.57
3727730.39	0.03684		
412225.57	3727730.39	0.03724	412245.57
3727730.39	0.03764		
412265.57	3727730.39	0.03805	412285.57
3727730.39	0.03847		
412305.57	3727730.39	0.03891	412325.57
3727730.39	0.03936		
412345.57	3727730.39	0.03979	412365.57
3727730.39	0.04025		
412145.57	3727750.39	0.03545	412165.57
3727750.39	0.03581		
412185.57	3727750.39	0.03618	412205.57
3727750.39	0.03657		

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      412225.57   3727750.39      0.03696      412245.57
3727750.39      0.03735
      412265.57   3727750.39      0.03776      412285.57
3727750.39      0.03817
      412305.57   3727750.39      0.03860      412325.57
3727750.39      0.03905

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***                               *** 05/26/20
*** AERMET - VERSION 16216 ***   ***
      ***                               *** 16:48:31

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PAGE 431

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

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      INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

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```

      X-COORD (M)   Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
-----
      412345.57   3727750.39      0.03947      412365.57
3727750.39      0.03993
      412145.57   3727770.39      0.03521      412165.57
3727770.39      0.03557
      412185.57   3727770.39      0.03593      412205.57
3727770.39      0.03631
      412225.57   3727770.39      0.03669      412245.57
3727770.39      0.03708
      412265.57   3727770.39      0.03748      412285.57
3727770.39      0.03789
      412305.57   3727770.39      0.03831      412325.57
3727770.39      0.03875
      412345.57   3727770.39      0.03916      412365.57
3727770.39      0.03961
      412145.57   3727790.39      0.03497      412165.57

```

3727790.39	0.03533		
412185.57	3727790.39	0.03569	412205.57
3727790.39	0.03606		
412225.57	3727790.39	0.03643	412245.57
3727790.39	0.03682		
412265.57	3727790.39	0.03721	412285.57
3727790.39	0.03762		
412305.57	3727790.39	0.03803	412325.57
3727790.39	0.03845		
412345.57	3727790.39	0.03886	412365.57
3727790.39	0.03930		
412145.57	3727810.39	0.03471	412165.57
3727810.39	0.03506		
412185.57	3727810.39	0.03541	412205.57
3727810.39	0.03578		
412225.57	3727810.39	0.03615	412245.57
3727810.39	0.03653		
412265.57	3727810.39	0.03692	412285.57
3727810.39	0.03732		
412305.57	3727810.39	0.03772	412325.57
3727810.39	0.03814		
412345.57	3727810.39	0.03855	412365.57
3727810.39	0.03900		
412145.57	3727830.39	0.03448	412165.57
3727830.39	0.03482		
412185.57	3727830.39	0.03517	412205.57
3727830.39	0.03553		
412225.57	3727830.39	0.03590	412245.57
3727830.39	0.03627		
412265.57	3727830.39	0.03666	412285.57
3727830.39	0.03705		
412305.57	3727830.39	0.03745	412325.57
3727830.39	0.03786		
412345.57	3727830.39	0.03828	412365.57
3727830.39	0.03871		
412145.57	3727850.39	0.03424	412165.57
3727850.39	0.03458		
412185.57	3727850.39	0.03493	412205.57
3727850.39	0.03528		
412225.57	3727850.39	0.03564	412245.57
3727850.39	0.03601		
412265.57	3727850.39	0.03639	412285.57
3727850.39	0.03678		
412305.57	3727850.39	0.03717	412325.57
3727850.39	0.03758		
412345.57	3727850.39	0.03799	412365.57
3727850.39	0.03841		
412145.57	3727870.39	0.03399	412165.57
3727870.39	0.03431		
412185.57	3727870.39	0.03465	412205.57

412145.57	3727910.39	0.03351	412165.57
3727910.39	0.03382		
412185.57	3727910.39	0.03416	412205.57
3727910.39	0.03452		
412225.57	3727910.39	0.03487	412245.57
3727910.39	0.03522		
412265.57	3727910.39	0.03558	412285.57
3727910.39	0.03595		
412305.57	3727910.39	0.03633	412325.57
3727910.39	0.03672		
412345.57	3727910.39	0.03711	412365.57
3727910.39	0.03752		
412145.57	3727930.39	0.03327	412165.57
3727930.39	0.03359		
412185.57	3727930.39	0.03392	412205.57
3727930.39	0.03427		
412225.57	3727930.39	0.03461	412245.57
3727930.39	0.03495		
412265.57	3727930.39	0.03531	412285.57
3727930.39	0.03567		
412305.57	3727930.39	0.03604	412325.57
3727930.39	0.03643		
412345.57	3727930.39	0.03681	412365.57
3727930.39	0.03723		
412145.57	3727950.39	0.03305	412165.57
3727950.39	0.03336		
412185.57	3727950.39	0.03368	412205.57
3727950.39	0.03403		
412225.57	3727950.39	0.03436	412245.57
3727950.39	0.03469		
412265.57	3727950.39	0.03504	412285.57
3727950.39	0.03540		
412305.57	3727950.39	0.03577	412325.57
3727950.39	0.03615		
412345.57	3727950.39	0.03653	412365.57
3727950.39	0.03695		
412145.57	3727970.39	0.03282	412165.57
3727970.39	0.03313		
412185.57	3727970.39	0.03344	412205.57
3727970.39	0.03379		
412225.57	3727970.39	0.03412	412245.57
3727970.39	0.03445		
412265.57	3727970.39	0.03480	412285.57
3727970.39	0.03515		
412305.57	3727970.39	0.03552	412325.57
3727970.39	0.03589		
412345.57	3727970.39	0.03627	412365.57
3727970.39	0.03668		
412145.57	3727990.39	0.03261	412165.57
3727990.39	0.03290		

Y-COORD (M)	CONC		
412185.57	3728030.39	0.03277	412205.57
3728030.39	0.03310		
412225.57	3728030.39	0.03341	412245.57
3728030.39	0.03373		
412265.57	3728030.39	0.03406	412285.57
3728030.39	0.03440		
412305.57	3728030.39	0.03475	412325.57
3728030.39	0.03511		
412345.57	3728030.39	0.03547	412365.57
3728030.39	0.03587		
412145.57	3728050.39	0.03197	412165.57
3728050.39	0.03225		
412185.57	3728050.39	0.03255	412205.57
3728050.39	0.03288		
412225.57	3728050.39	0.03319	412245.57
3728050.39	0.03351		
412265.57	3728050.39	0.03383	412285.57
3728050.39	0.03417		
412305.57	3728050.39	0.03451	412325.57
3728050.39	0.03486		
412345.57	3728050.39	0.03522	412365.57
3728050.39	0.03561		
412145.57	3728070.39	0.03176	412165.57
3728070.39	0.03204		
412185.57	3728070.39	0.03233	412205.57
3728070.39	0.03266		
412225.57	3728070.39	0.03298	412245.57
3728070.39	0.03329		
412265.57	3728070.39	0.03362	412285.57
3728070.39	0.03395		
412305.57	3728070.39	0.03429	412325.57
3728070.39	0.03464		
412345.57	3728070.39	0.03499	412365.57
3728070.39	0.03536		
412145.57	3728090.39	0.03154	412165.57
3728090.39	0.03183		
412185.57	3728090.39	0.03212	412205.57
3728090.39	0.03245		
412225.57	3728090.39	0.03275	412245.57
3728090.39	0.03306		
412265.57	3728090.39	0.03338	412285.57
3728090.39	0.03371		
412305.57	3728090.39	0.03404	412325.57
3728090.39	0.03438		
412345.57	3728090.39	0.03473	412365.57
3728090.39	0.03510		
412145.57	3728110.39	0.03134	412165.57

, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412345.57	3728150.39	0.03402	412365.57
3728150.39	0.03437		
412145.57	3728170.39	0.03076	412165.57
3728170.39	0.03105		
412185.57	3728170.39	0.03132	412205.57
3728170.39	0.03161		
412225.57	3728170.39	0.03190	412245.57
3728170.39	0.03220		
412265.57	3728170.39	0.03250	412285.57
3728170.39	0.03281		
412305.57	3728170.39	0.03313	412325.57
3728170.39	0.03346		
412345.57	3728170.39	0.03379	412365.57
3728170.39	0.03413		
412145.57	3728190.39	0.03055	412165.57
3728190.39	0.03084		
412185.57	3728190.39	0.03112	412205.57
3728190.39	0.03139		
412225.57	3728190.39	0.03167	412245.57
3728190.39	0.03197		
412265.57	3728190.39	0.03227	412285.57
3728190.39	0.03257		
412305.57	3728190.39	0.03289	412325.57
3728190.39	0.03321		
412345.57	3728190.39	0.03354	412365.57
3728190.39	0.03389		
412145.57	3728210.39	0.03037	412165.57
3728210.39	0.03065		
412185.57	3728210.39	0.03092	412205.57
3728210.39	0.03119		
412225.57	3728210.39	0.03147	412245.57
3728210.39	0.03176		
412265.57	3728210.39	0.03206	412285.57
3728210.39	0.03236		
412305.57	3728210.39	0.03267	412325.57
3728210.39	0.03298		
412345.57	3728210.39	0.03331	412365.57
3728210.39	0.03366		

412145.57	3728230.39	0.03019	412165.57
3728230.39	0.03046		
412185.57	3728230.39	0.03072	412205.57
3728230.39	0.03099		
412225.57	3728230.39	0.03127	412245.57
3728230.39	0.03156		
412265.57	3728230.39	0.03185	412285.57
3728230.39	0.03215		
412305.57	3728230.39	0.03246	412325.57
3728230.39	0.03277		
412345.57	3728230.39	0.03309	412365.57
3728230.39	0.03343		
412145.57	3728250.39	0.03002	412165.57
3728250.39	0.03028		
412185.57	3728250.39	0.03054	412205.57
3728250.39	0.03082		
412225.57	3728250.39	0.03109	412245.57
3728250.39	0.03137		
412265.57	3728250.39	0.03166	412285.57
3728250.39	0.03196		
412305.57	3728250.39	0.03226	412325.57
3728250.39	0.03257		
412345.57	3728250.39	0.03288	412365.57
3728250.39	0.03320		
412145.57	3728270.39	0.02983	412165.57
3728270.39	0.03008		
412185.57	3728270.39	0.03033	412205.57
3728270.39	0.03061		
412225.57	3728270.39	0.03088	412245.57
3728270.39	0.03115		
412265.57	3728270.39	0.03143	412285.57
3728270.39	0.03172		
412305.57	3728270.39	0.03202	412325.57
3728270.39	0.03233		
412345.57	3728270.39	0.03264	412365.57
3728270.39	0.03297		
412145.57	3728290.39	0.02964	412165.57
3728290.39	0.02989		
412185.57	3728290.39	0.03014	412205.57
3728290.39	0.03042		
412225.57	3728290.39	0.03068	412245.57
3728290.39	0.03094		

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                                *** 16:48:31

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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
412265.57	3728290.39	0.03122	412285.57
3728290.39	0.03151		
412305.57	3728290.39	0.03180	412325.57
3728290.39	0.03210		
412345.57	3728290.39	0.03241	412365.57
3728290.39	0.03275		
412145.57	3728310.39	0.02946	412165.57
3728310.39	0.02970		
412185.57	3728310.39	0.02995	412205.57
3728310.39	0.03023		
412225.57	3728310.39	0.03048	412245.57
3728310.39	0.03075		
412265.57	3728310.39	0.03103	412285.57
3728310.39	0.03131		
412305.57	3728310.39	0.03160	412325.57
3728310.39	0.03190		
412345.57	3728310.39	0.03220	412365.57
3728310.39	0.03253		
412145.57	3728330.39	0.02927	412165.57
3728330.39	0.02952		
412185.57	3728330.39	0.02976	412205.57
3728330.39	0.03004		
412225.57	3728330.39	0.03031	412245.57
3728330.39	0.03057		
412265.57	3728330.39	0.03085	412285.57
3728330.39	0.03113		
412305.57	3728330.39	0.03141	412325.57
3728330.39	0.03171		
412345.57	3728330.39	0.03201	412365.57

3728330.39	0.03231			
412145.57	3728350.39	0.02909		412165.57
3728350.39	0.02933			
412185.57	3728350.39	0.02958		412205.57
3728350.39	0.02985			
412225.57	3728350.39	0.03011		412245.57
3728350.39	0.03037			
412265.57	3728350.39	0.03064		412285.57
3728350.39	0.03092			
412305.57	3728350.39	0.03120		412325.57
3728350.39	0.03149			
412345.57	3728350.39	0.03179		412365.57
3728350.39	0.03209			
412145.57	3728370.39	0.02892		412165.57
3728370.39	0.02915			
412185.57	3728370.39	0.02939		412205.57
3728370.39	0.02967			
412225.57	3728370.39	0.02991		412245.57
3728370.39	0.03017			
412265.57	3728370.39	0.03043		412285.57
3728370.39	0.03071			
412305.57	3728370.39	0.03099		412325.57
3728370.39	0.03127			
412345.57	3728370.39	0.03156		412365.57
3728370.39	0.03188			
412145.57	3728390.39	0.02874		412165.57
3728390.39	0.02898			
412185.57	3728390.39	0.02921		412205.57
3728390.39	0.02949			
412225.57	3728390.39	0.02972		412245.57
3728390.39	0.02997			
412265.57	3728390.39	0.03024		412285.57
3728390.39	0.03051			
412305.57	3728390.39	0.03078		412325.57
3728390.39	0.03107			
412345.57	3728390.39	0.03135		412365.57
3728390.39	0.03167			
412145.57	3728410.39	0.02857		412165.57
3728410.39	0.02880			
412185.57	3728410.39	0.02904		412205.57
3728410.39	0.02930			
412225.57	3728410.39	0.02955		412245.57
3728410.39	0.02980			
412265.57	3728410.39	0.03006		412285.57
3728410.39	0.03033			
412305.57	3728410.39	0.03060		412325.57
3728410.39	0.03088			
412345.57	3728410.39	0.03117		412365.57
3728410.39	0.03146			
412145.57	3728430.39	0.02840		412165.57

3728430.39 0.02862

▲ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 ***
*** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
412185.57	3728430.39	0.02886	412205.57
3728430.39	0.02913		
412225.57	3728430.39	0.02937	412245.57
3728430.39	0.02962		
412265.57	3728430.39	0.02988	412285.57
3728430.39	0.03014		
412305.57	3728430.39	0.03041	412325.57
3728430.39	0.03069		
412345.57	3728430.39	0.03097	412365.57
3728430.39	0.03126		
412145.57	3728450.39	0.02823	412165.57
3728450.39	0.02845		
412185.57	3728450.39	0.02869	412205.57
3728450.39	0.02895		
412225.57	3728450.39	0.02918	412245.57
3728450.39	0.02942		
412265.57	3728450.39	0.02968	412285.57
3728450.39	0.02994		
412305.57	3728450.39	0.03020	412325.57
3728450.39	0.03048		

412345.57	3728450.39	0.03076	412365.57
3728450.39	0.03105		
412145.57	3728470.39	0.02806	412165.57
3728470.39	0.02829		
412185.57	3728470.39	0.02851	412205.57
3728470.39	0.02877		
412225.57	3728470.39	0.02900	412245.57
3728470.39	0.02924		
412265.57	3728470.39	0.02949	412285.57
3728470.39	0.02975		
412305.57	3728470.39	0.03002	412325.57
3728470.39	0.03028		
412345.57	3728470.39	0.03056	412365.57
3728470.39	0.03085		
412145.57	3728490.39	0.02789	412165.57
3728490.39	0.02812		
412185.57	3728490.39	0.02834	412205.57
3728490.39	0.02860		
412225.57	3728490.39	0.02883	412245.57
3728490.39	0.02907		
412265.57	3728490.39	0.02932	412285.57
3728490.39	0.02957		
412305.57	3728490.39	0.02983	412325.57
3728490.39	0.03010		
412345.57	3728490.39	0.03037	412365.57
3728490.39	0.03065		
412145.57	3728510.39	0.02772	412165.57
3728510.39	0.02795		
412185.57	3728510.39	0.02818	412205.57
3728510.39	0.02843		
412225.57	3728510.39	0.02867	412245.57
3728510.39	0.02891		
412265.57	3728510.39	0.02916	412285.57
3728510.39	0.02941		
412305.57	3728510.39	0.02966	412325.57
3728510.39	0.02992		
412345.57	3728510.39	0.03019	412365.57
3728510.39	0.03046		
412145.57	3728530.39	0.02756	412165.57
3728530.39	0.02778		
412185.57	3728530.39	0.02801	412205.57
3728530.39	0.02826		
412225.57	3728530.39	0.02848	412245.57
3728530.39	0.02872		
412265.57	3728530.39	0.02896	412285.57
3728530.39	0.02921		
412305.57	3728530.39	0.02946	412325.57
3728530.39	0.02972		
412345.57	3728530.39	0.02999	412365.57
3728530.39	0.03027		

3728570.39	0.02935		
412345.57	3728570.39	0.02961	412365.57
3728570.39	0.02989		
412145.57	3728590.39	0.02711	412165.57
3728590.39	0.02732		
412185.57	3728590.39	0.02752	412205.57
3728590.39	0.02777		
412225.57	3728590.39	0.02799	412245.57
3728590.39	0.02822		
412265.57	3728590.39	0.02846	412285.57
3728590.39	0.02870		
412305.57	3728590.39	0.02894	412325.57
3728590.39	0.02919		
412345.57	3728590.39	0.02944	412365.57
3728590.39	0.02970		
412145.57	3728610.39	0.02696	412165.57
3728610.39	0.02716		
412185.57	3728610.39	0.02737	412205.57
3728610.39	0.02761		
412225.57	3728610.39	0.02782	412245.57
3728610.39	0.02804		
412265.57	3728610.39	0.02828	412285.57
3728610.39	0.02851		
412305.57	3728610.39	0.02875	412325.57
3728610.39	0.02900		
412345.57	3728610.39	0.02926	412365.57
3728610.39	0.02952		
412145.57	3728630.39	0.02681	412165.57
3728630.39	0.02701		
412185.57	3728630.39	0.02722	412205.57
3728630.39	0.02745		
412225.57	3728630.39	0.02766	412245.57
3728630.39	0.02788		
412265.57	3728630.39	0.02811	412285.57
3728630.39	0.02834		
412305.57	3728630.39	0.02858	412325.57
3728630.39	0.02882		
412345.57	3728630.39	0.02907	412365.57
3728630.39	0.02934		
412145.57	3728650.39	0.02667	412165.57
3728650.39	0.02687		
412185.57	3728650.39	0.02708	412205.57
3728650.39	0.02729		
412225.57	3728650.39	0.02751	412245.57
3728650.39	0.02773		
412265.57	3728650.39	0.02796	412285.57
3728650.39	0.02819		
412305.57	3728650.39	0.02842	412325.57
3728650.39	0.02866		
412345.57	3728650.39	0.02891	412365.57

412305.57	3728690.39	0.02809	412325.57
3728690.39	0.02833		
412345.57	3728690.39	0.02857	412365.57
3728690.39	0.02881		
412145.57	3728710.39	0.02623	412165.57
3728710.39	0.02644		
412185.57	3728710.39	0.02663	412205.57
3728710.39	0.02683		
412225.57	3728710.39	0.02704	412245.57
3728710.39	0.02726		
412265.57	3728710.39	0.02748	412285.57
3728710.39	0.02770		
412305.57	3728710.39	0.02792	412325.57
3728710.39	0.02816		
412345.57	3728710.39	0.02840	412365.57
3728710.39	0.02863		
412145.57	3728730.39	0.02607	412165.57
3728730.39	0.02629		
412185.57	3728730.39	0.02647	412205.57
3728730.39	0.02667		
412225.57	3728730.39	0.02688	412245.57
3728730.39	0.02709		
412265.57	3728730.39	0.02731	412285.57
3728730.39	0.02753		
412305.57	3728730.39	0.02775	412325.57
3728730.39	0.02798		
412345.57	3728730.39	0.02822	412365.57
3728730.39	0.02846		
412145.57	3728750.39	0.02593	412165.57
3728750.39	0.02614		
412185.57	3728750.39	0.02632	412205.57
3728750.39	0.02652		
412225.57	3728750.39	0.02672	412245.57
3728750.39	0.02693		
412265.57	3728750.39	0.02715	412285.57
3728750.39	0.02737		
412305.57	3728750.39	0.02759	412325.57
3728750.39	0.02782		
412345.57	3728750.39	0.02805	412365.57
3728750.39	0.02829		
412145.57	3728770.39	0.02579	412165.57
3728770.39	0.02600		
412185.57	3728770.39	0.02619	412205.57
3728770.39	0.02639		
412225.57	3728770.39	0.02659	412245.57
3728770.39	0.02680		
412265.57	3728770.39	0.02701	412285.57
3728770.39	0.02722		
412305.57	3728770.39	0.02744	412325.57
3728770.39	0.02767		

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3728830.39	412185.57	3728830.39	0.02575	412205.57
3728830.39	412225.57	3728830.39	0.02613	412245.57
3728830.39	412265.57	3728830.39	0.02654	412285.57
3728830.39	412305.57	3728830.39	0.02696	412325.57
3728830.39	412345.57	3728830.39	0.02740	412365.57
3728850.39	412145.57	3728850.39	0.02525	412165.57
3728850.39	412185.57	3728850.39	0.02563	412205.57
3728850.39	412225.57	3728850.39	0.02601	412245.57
3728850.39	412265.57	3728850.39	0.02641	412285.57
3728850.39	412305.57	3728850.39	0.02682	412325.57
3728850.39	412345.57	3728850.39	0.02726	412365.57
3728870.39	412145.57	3728870.39	0.02511	412165.57
3728870.39	412185.57	3728870.39	0.02547	412205.57
3728870.39	412225.57	3728870.39	0.02585	412245.57
3728870.39	412265.57	3728870.39	0.02625	412285.57
3728870.39	412305.57	3728870.39	0.02666	412325.57
3728870.39	412345.57	3728870.39	0.02709	412365.57
3728890.39	412145.57	3728890.39	0.02498	412165.57
3728890.39	412185.57	3728890.39	0.02533	412205.57
3728890.39	412225.57	3728890.39	0.02571	412245.57
3728890.39	412265.57	3728890.39	0.02607	412285.57
3728890.39	412305.57	3728890.39	0.02649	412325.57


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, L0000155      , L0000156      , L0000157      ,
                  L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
                  L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3728950.39	412345.57	3728950.39	0.02646	412365.57
3728970.39	412145.57	3728970.39	0.02446	412165.57
3728970.39	412185.57	3728970.39	0.02481	412205.57
3728970.39	412225.57	3728970.39	0.02515	412245.57
3728970.39	412265.57	3728970.39	0.02551	412285.57
3728970.39	412305.57	3728970.39	0.02590	412325.57
3728970.39	412345.57	3728970.39	0.02628	412365.57
3728990.39	412145.57	3728990.39	0.02433	412165.57
3728990.39	412185.57	3728990.39	0.02468	412205.57
3728990.39	412225.57	3728990.39	0.02504	412245.57
3728990.39	412265.57	3728990.39	0.02541	412285.57
3728990.39	412305.57	3728990.39	0.02579	412325.57
3728990.39	412345.57	3728990.39	0.02617	412365.57
3729010.39	412145.57	3729010.39	0.02421	412165.57
3729010.39	412185.57	3729010.39	0.02456	412205.57
3729010.39	412225.57	3729010.39	0.02491	412245.57
3729010.39	412265.57	3729010.39	0.02528	412285.57
3729010.39	412305.57	3729010.39	0.02547	

3720436.98	4.55729	(16122117)			
409957.04	3720436.98		5.31773	(16122117)	410461.79
3720436.98	4.97423	(16122117)			
410966.54	3720436.98		3.86227	(16112917)	411471.29
3720436.98	5.85298	(16112917)			
411976.04	3720436.98		6.90183	(16112917)	412480.79
3720436.98	6.26148	(16112917)			
412985.54	3720436.98		4.35891	(16112917)	413490.29
3720436.98	3.98194	(15121417)			
413995.04	3720436.98		5.68643	(16121917)	414499.79
3720436.98	6.96522	(16121917)			
415004.54	3720436.98		12.49015	(16121917)	415509.29
3720436.98	6.50103	(16121917)			
416014.04	3720436.98		3.15585	(13010109)	416518.79
3720436.98	2.68624	(13010109)			
417023.54	3720436.98		2.95112	(12112309)	406928.54
3720940.90	4.66231	(14122617)			
407433.29	3720940.90		5.68966	(14122617)	407938.04
3720940.90	5.99899	(14122617)			
408442.79	3720940.90		5.34772	(14122617)	408947.54
3720940.90	3.94654	(14122617)			
409452.29	3720940.90		4.40691	(16122117)	409957.04
3720940.90	5.65410	(16122117)			
410461.79	3720940.90		5.74851	(16122117)	410966.54
3720940.90	4.53038	(16122117)			
411471.29	3720940.90		6.10904	(16112917)	411976.04
3720940.90	7.55016	(16112917)			
412480.79	3720940.90		6.98852	(16112917)	412985.54
3720940.90	5.56989	(16112917)			
413490.29	3720940.90		6.73105	(15121417)	413995.04
3720940.90	10.49446	(16121917)			
414499.79	3720940.90		16.01065	(16121917)	415004.54
3720940.90	12.26648	(16121917)			
415509.29	3720940.90		5.15940	(16121917)	416014.04
3720940.90	3.21323	(13010109)			
416518.79	3720940.90		3.06028	(12112309)	417023.54
3720940.90	3.09709	(12112309)			
406928.54	3721444.82		3.99175	(14122617)	407433.29
3721444.82	5.46606	(14122617)			
407938.04	3721444.82		6.48940	(14122617)	408442.79
3721444.82	6.51391	(14122617)			
408947.54	3721444.82		5.38752	(14122617)	409452.29
3721444.82	4.06973	(16122117)			
409957.04	3721444.82		5.81191	(16122117)	410461.79
3721444.82	6.51638	(16122117)			
410966.54	3721444.82		5.55298	(16122117)	411471.29
3721444.82	6.33973	(16112917)			
411976.04	3721444.82		8.25123	(16112917)	412480.79
3721444.82	11.48543	(16112917)			
412985.54	3721444.82		5.73178	(16112917)	413490.29

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)
3721948.74	415509.29	3721948.74	3.65194	(13010109)	416014.04
3721948.74	416518.79	3.44049 (12112309)	3.49518	(12112309)	417023.54
3721948.74	406928.54	3721948.74	2.88198	(15012810)	407433.29
3722452.66	407938.04	3.16780 (16011909)	5.75576	(14122617)	408442.79
3722452.66	408947.54	3722452.66	8.32172	(14122617)	409452.29
3722452.66	409957.04	3.71726 (14122617)	5.33767	(16122117)	410461.79
3722452.66	411471.29	3722452.66	6.57468	(16122117)	411976.04
3722452.66	412480.79	9.88538 (16112917)	17.44192	(16112917)	412985.54
3722452.66	413490.29	7.37925 (16112917)	10.89612	(15121417)	413995.04
3722452.66	414499.79	20.76383 (16121917)	18.86550	(16121917)	415004.54
3722452.66	415509.29	7.03054 (16121917)	3.58871	(13010109)	416014.04
3722452.66	416518.79	3722452.66	3.38928	(12112309)	417023.54
3722452.66	406928.54	3.79592 (12112309)	4.48892	(16122217)	407433.29
3722956.58	407938.04	7.28969 (13012517)	4.54122	(14122617)	408442.79
3722956.58	408947.54	3.37888 (16122217)	9.06397	(14122617)	409452.29
3722956.58	409957.04	3722956.58	7.20851	(14122617)	410461.79
3722956.58	410966.54	7.02950 (14122617)	9.32713	(16122117)	411976.04
3722956.58	412480.79	9.26746 (14122617)	19.59205	(16112917)	412985.54
3722956.58	413490.29	3722956.58	12.95847	(15121417)	413995.04
3722956.58	414499.79	8.53127 (16112917)	17.30005	(16121917)	415004.54
3722956.58	415509.29	25.33974 (16121917)	3.93818	(12112309)	416014.04
3722956.58	416518.79	3722956.58	6.69701	(13012517)	417023.54
3722956.58	406928.54	3.90583 (12112309)	6.22256	(16122217)	407433.29
3723460.50	407938.04	13.20106 (13012517)	5.41478	(16122217)	
3723460.50	408947.54	3723460.50			
3723460.50	409957.04	5.41478 (16122217)			

407938.04	3723460.50	4.09347	(16122217)	408442.79
3723460.50	5.64105	(14122617)		
408947.54	3723460.50	8.68853	(14122617)	409452.29
3723460.50	10.75622	(14122617)		
409957.04	3723460.50	10.06852	(14122617)	410461.79
3723460.50	7.30449	(16122117)		
410966.54	3723460.50	10.42871	(16122117)	411471.29
3723460.50	9.82219	(16122117)		
411976.04	3723460.50	11.79382	(16112917)	412480.79
3723460.50	13.51335	(16112917)		
412985.54	3723460.50	10.16881	(16112917)	413490.29
3723460.50	17.52117	(16121917)		
413995.04	3723460.50	28.48003	(16121917)	414499.79
3723460.50	14.67948	(16121917)		
415004.54	3723460.50	4.25035	(13010109)	415509.29
3723460.50	4.36624	(12112309)		
416014.04	3723460.50	5.71599	(13012517)	416518.79
3723460.50	14.62748	(13012517)		
417023.54	3723460.50	18.42293	(13012517)	406928.54
3723964.42	7.28467	(16122217)		
407433.29	3723964.42	7.41650	(16122217)	407938.04
3723964.42	6.63620	(16122217)		
408442.79	3723964.42	5.04392	(16122217)	408947.54
3723964.42	7.12771	(14122617)		
409452.29	3723964.42	10.87324	(14122617)	409957.04
3723964.42	12.67834	(14122617)		
410461.79	3723964.42	10.47059	(14122617)	410966.54
3723964.42	11.00518	(16122117)		
411471.29	3723964.42	12.33209	(16122117)	411976.04
3723964.42	12.99879	(16112917)		
412480.79	3723964.42	27.57030	(16112917)	412985.54
3723964.42	11.99280	(16112917)		
413490.29	3723964.42	24.05668	(16121917)	413995.04
3723964.42	30.14827	(16121917)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

*** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,

L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
414499.79	3723964.42	11.05655	(16121917)	415004.54
3723964.42	4.62011 (12112309)			
415509.29	3723964.42	4.58478	(13012517)	416014.04
3723964.42	14.83616 (13012517)			
416518.79	3723964.42	23.41088	(13012517)	417023.54
3723964.42	19.43413 (16102417)			
406928.54	3724468.34	6.97360	(16122217)	407433.29
3724468.34	8.35698 (16122217)			
407938.04	3724468.34	8.91803	(16122217)	408442.79
3724468.34	8.24677 (16122217)			
408947.54	3724468.34	6.34848	(16122217)	409452.29
3724468.34	9.21397 (14122617)			
409957.04	3724468.34	13.80603	(14122617)	410461.79
3724468.34	14.75719 (14122617)			
410966.54	3724468.34	10.67704	(16122117)	411471.29
3724468.34	14.93160 (16122117)			
411976.04	3724468.34	13.56721	(16112917)	412480.79
3724468.34	32.33450 (16112917)			
412985.54	3724468.34	14.53493	(16112917)	413490.29
3724468.34	32.43407 (16121917)			
413995.04	3724468.34	29.87494	(16121917)	414499.79
3724468.34	7.13781 (16121917)			
415004.54	3724468.34	5.14580	(12112309)	415509.29
3724468.34	14.35775 (13012517)			
416014.04	3724468.34	26.67852	(13012517)	416518.79
3724468.34	25.76810 (16102417)			
417023.54	3724468.34	22.36336	(16102417)	406928.54
3724972.26	7.80352 (13120917)			
407433.29	3724972.26	7.65947	(13120917)	407938.04
3724972.26	9.48760 (16122217)			
408442.79	3724972.26	10.77858	(16122217)	408947.54
3724972.26	10.45197 (16122217)			
409452.29	3724972.26	8.20752	(16122217)	409957.04
3724972.26	12.26512 (14122617)			
410461.79	3724972.26	17.74576	(14122617)	410966.54
3724972.26	16.47728 (14122617)			
411471.29	3724972.26	16.98079	(16122117)	411976.04

3724972.26	16.32892	(16122117)			
412480.79	3724972.26		22.97201	(16112917)	412985.54
3724972.26	17.67237	(16112917)			
413490.29	3724972.26		42.05175	(16121917)	413995.04
3724972.26	26.18364	(16121917)			
414499.79	3724972.26		5.63578	(12112309)	415004.54
3724972.26	13.22641	(13012517)			
415509.29	3724972.26		29.85414	(13012517)	416014.04
3724972.26	30.46402	(16102417)			
416518.79	3724972.26		26.86852	(16102417)	417023.54
3724972.26	20.24170	(14110517)			
406928.54	3725476.18		8.32787	(13120917)	407433.29
3725476.18	9.37033	(13120917)			
407938.04	3725476.18		9.87373	(13120917)	408442.79
3725476.18	10.57689	(16122217)			
408947.54	3725476.18		13.06830	(16122217)	409452.29
3725476.18	13.55488	(16122217)			
409957.04	3725476.18		10.98555	(16122217)	410461.79
3725476.18	16.91687	(14122617)			
410966.54	3725476.18		22.93999	(14122617)	411471.29
3725476.18	17.30297	(16122117)			
411976.04	3725476.18		22.67689	(16122117)	412480.79
3725476.18	28.44010	(16112917)			
412985.54	3725476.18		19.68544	(16112917)	413490.29
3725476.18	53.11175	(16121917)			
413995.04	3725476.18		19.14317	(16121917)	414499.79
3725476.18	10.91689	(13012517)			
415004.54	3725476.18		33.26690	(13012517)	415509.29
3725476.18	36.52454	(13012517)			
416014.04	3725476.18		31.78013	(16102417)	416518.79
3725476.18	23.68088	(14110517)			
417023.54	3725476.18		13.31162	(12012417)	406928.54
3725980.10	9.04206	(13120917)			
407433.29	3725980.10		8.78908	(13120917)	407938.04
3725980.10	10.73915	(13120917)			
408442.79	3725980.10		12.33506	(13120917)	408947.54
3725980.10	12.99292	(13120917)			
409452.29	3725980.10		15.79697	(16122217)	409957.04
3725980.10	18.03057	(16122217)			
410461.79	3725980.10		15.42105	(16122217)	410966.54
3725980.10	24.51041	(14122617)			
411471.29	3725980.10		29.32423	(14122617)	411976.04
3725980.10	29.84086	(16122117)			

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▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                ***                                05/26/20
*** AERMET - VERSION 16216 *** ***
***                                ***                                16:48:31

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412480.79	3725980.10	35.90734	(16112917)	412985.54
3725980.10	26.06903	(16121917)		
413490.29	3725980.10	61.87126	(16121917)	413995.04
3725980.10	10.83945	(16121917)		
414499.79	3725980.10	37.27854	(13012517)	415004.54
3725980.10	45.87468	(13012517)		
415509.29	3725980.10	37.07713	(16102417)	416014.04
3725980.10	27.75204	(14110517)		
416518.79	3725980.10	23.89939	(12012417)	417023.54
3725980.10	17.88299	(12012417)		
406928.54	3726484.02	9.21059	(13122517)	407433.29
3726484.02	7.54524	(13122517)		
407938.04	3726484.02	8.43541	(13120917)	408442.79
3726484.02	12.20879	(13120917)		
408947.54	3726484.02	14.55039	(13120917)	409452.29
3726484.02	17.33585	(13120917)		
409957.04	3726484.02	18.74713	(16122217)	410461.79
3726484.02	24.64341	(16122217)		
410966.54	3726484.02	23.17067	(16122217)	411471.29
3726484.02	37.84843	(14122617)		
411976.04	3726484.02	34.65809	(14122617)	412480.79
3726484.02	45.42474	(16112917)		
412985.54	3726484.02	42.13474	(16121917)	413490.29
3726484.02	60.20531	(16121917)		
413995.04	3726484.02	40.88572	(13012517)	414499.79
3726484.02	57.80939	(13012517)		
415004.54	3726484.02	43.56075	(16102417)	415509.29
3726484.02	35.46250	(12012417)		

416014.04	3726484.02	26.56497	(12012417)	416518.79
3726484.02	16.20656	(12012417)		
417023.54	3726484.02	12.47449	(15121517)	406928.54
3726987.94	10.23794	(13121917)		
407433.29	3726987.94	9.84806	(13122517)	407938.04
3726987.94	11.63676	(13122517)		
408442.79	3726987.94	14.34811	(13122517)	408947.54
3726987.94	11.68893	(13122517)		
409452.29	3726987.94	15.38519	(13120917)	409957.04
3726987.94	21.44878	(13120917)		
410461.79	3726987.94	27.12953	(13120917)	410966.54
3726987.94	34.41834	(16122217)		
411471.29	3726987.94	38.46883	(16122217)	411976.04
3726987.94	63.90425	(14122617)		
412480.79	3726987.94	67.50901	(16122117)	412985.54
3726987.94	76.92441	(16121917)		
413490.29	3726987.94	40.29373	(13012517)	413995.04
3726987.94	85.99147	(13012517)		
414499.79	3726987.94	56.84053	(14110517)	415004.54
3726987.94	44.58288	(12012417)		
415509.29	3726987.94	26.45060	(12012417)	416014.04
3726987.94	27.03672	(15121517)		
416518.79	3726987.94	18.24472	(15121517)	417023.54
3726987.94	15.93632	(15121517)		
406928.54	3727491.86	16.71025	(13121917)	407433.29
3727491.86	16.78417	(13121917)		
407938.04	3727491.86	16.78008	(13121917)	408442.79
3727491.86	19.07886	(13121917)		
408947.54	3727491.86	20.19449	(13121917)	409452.29
3727491.86	15.99898	(13121917)		
409957.04	3727491.86	17.55705	(13122517)	410461.79
3727491.86	22.27218	(13120917)		
410966.54	3727491.86	36.34362	(13120917)	411471.29
3727491.86	51.74538	(13120917)		
411976.04	3727491.86	75.65313	(16122217)	412480.79
3727491.86	123.60215	(14122617)		
412985.54	3727491.86	166.05576	(16121917)	413490.29
3727491.86	139.70671	(13012517)		
413995.04	3727491.86	73.55452	(12012417)	414499.79
3727491.86	40.80595	(12012417)		
415004.54	3727491.86	35.40616	(15121517)	415509.29
3727491.86	28.25227	(15103017)		
416014.04	3727491.86	23.68868	(15103017)	416518.79
3727491.86	19.40543	(15103017)		
417023.54	3727491.86	15.75174	(15103017)	406928.54
3727995.78	12.31625	(13121917)		
407433.29	3727995.78	14.39603	(13121917)	407938.04
3727995.78	16.03520	(13121917)		
408442.79	3727995.78	19.63079	(13121917)	408947.54
3727995.78	23.76302	(13121917)		

409452.29 3727995.78 19.57570 (13121917) 409957.04
 3727995.78 24.31800 (13121917)
 ^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
410461.79	3727995.78	30.93524 (13121917)	410966.54
3727995.78	40.38455 (13121917)		
411471.29	3727995.78	54.36189 (13121917)	411976.04
3727995.78	80.77775 (13120917)		
412985.54	3727995.78	297.81359 (16121917)	413490.29
3727995.78	120.27905 (15121517)		
413995.04	3727995.78	76.52381 (15103017)	414499.79
3727995.78	50.59905 (15103017)		
415004.54	3727995.78	66.86221 (14120117)	415509.29
3727995.78	29.01841 (15111017)		
416014.04	3727995.78	23.48932 (15111017)	416518.79
3727995.78	19.44465 (15111017)		
417023.54	3727995.78	16.47622 (16011117)	406928.54
3728499.70	7.99298 (15012617)		
407433.29	3728499.70	9.56971 (15012617)	407938.04
3728499.70	14.68808 (15012617)		
408442.79	3728499.70	17.04859 (15012617)	408947.54
3728499.70	13.66956 (15012617)		
409452.29	3728499.70	16.23325 (15012617)	409957.04

3728499.70	19.68379	(15012617)			
410461.79	3728499.70	24.56319	(15012617)		410966.54
3728499.70	31.89598	(15012617)			
411471.29	3728499.70	47.33802	(14120317)		411976.04
3728499.70	83.23720	(14120317)			
412480.79	3728499.70	174.75096	(14120317)		413490.29
3728499.70	127.31307	(14120417)			
413995.04	3728499.70	77.10239	(15011517)		414499.79
3728499.70	52.84744	(16110217)			
415004.54	3728499.70	38.95353	(16110217)		415509.29
3728499.70	29.91871	(16110217)			
416014.04	3728499.70	23.84379	(12011717)		416518.79
3728499.70	19.77856	(12011717)			
417023.54	3728499.70	16.73215	(12011717)		406928.54
3729003.62	7.67958	(15012617)			
407433.29	3729003.62	8.31987	(15012617)		407938.04
3729003.62	11.17464	(14120317)			
408442.79	3729003.62	15.99118	(14120317)		408947.54
3729003.62	22.16239	(14120317)			
409452.29	3729003.62	16.05307	(14120317)		409957.04
3729003.62	21.05886	(14120317)			
410461.79	3729003.62	27.09950	(14120317)		410966.54
3729003.62	33.43361	(14120317)			
411471.29	3729003.62	37.52817	(14120317)		411976.04
3729003.62	42.81437	(13012117)			
412480.79	3729003.62	135.78210	(13012117)		412985.54
3729003.62	195.53979	(15120717)			
413490.29	3729003.62	112.94560	(14102317)		413995.04
3729003.62	71.20130	(14110617)			
414499.79	3729003.62	49.41049	(14111917)		415004.54
3729003.62	36.99590	(14111317)			
415509.29	3729003.62	28.85167	(14120417)		416014.04
3729003.62	23.89805	(15011517)			
416518.79	3729003.62	19.78932	(15011517)		417023.54
3729003.62	16.44705	(15113017)			
406928.54	3729507.54	7.09739	(14120317)		407433.29
3729507.54	17.11621	(14120317)			
407938.04	3729507.54	19.45768	(14120317)		408442.79
3729507.54	13.22173	(14120317)			
408947.54	3729507.54	14.13664	(14120317)		409452.29
3729507.54	15.68548	(14120317)			
409957.04	3729507.54	16.28571	(14120317)		410461.79
3729507.54	15.21557	(14120317)			
410966.54	3729507.54	12.11343	(14120317)		411471.29
3729507.54	21.74834	(14121617)			
411976.04	3729507.54	59.44927	(13012117)		412480.79
3729507.54	87.84174	(12112917)			
412985.54	3729507.54	96.22298	(15121017)		413490.29
3729507.54	79.87732	(14102417)			
413995.04	3729507.54	58.26000	(14102317)		414499.79

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3729507.54      43.46599 (12112217)
      415004.54  3729507.54      34.25982 (14102717)      415509.29
3729507.54      27.14376 (13013017)
      416014.04  3729507.54      22.44406 (15110517)      416518.79
3729507.54      19.91755 (14111317)
      417023.54  3729507.54      16.07100 (14120417)      406928.54
3730011.46      8.10332 (14120317)
      407433.29  3730011.46      8.92655 (14120317)      407938.04
3730011.46      9.49805 (14120317)
      408442.79  3730011.46      9.66431 (14120317)      408947.54
3730011.46      9.23434 (14120317)

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***          05/26/20
*** AERMET - VERSION 16216 *** ***
      ***          16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
      L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
      L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
      L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
409452.29	3730011.46	8.08819 (14120317)	409957.04
3730011.46	6.34198 (14120317)		
410461.79	3730011.46	5.77488 (12112109)	410966.54
3730011.46	13.85981 (14121617)		
411471.29	3730011.46	32.71529 (13012117)	411976.04
3730011.46	37.89097 (13012117)		
412480.79	3730011.46	56.84323 (12112917)	412985.54
3730011.46	58.03007 (15121017)		
413490.29	3730011.46	55.34026 (14111817)	413995.04
3730011.46	45.81168 (12102517)		

414499.79	3730011.46	36.98492	(14102317)	415004.54
3730011.46	30.02899 (16101917)			
415509.29	3730011.46	25.04558	(14110617)	416014.04
3730011.46	21.17683 (15102617)			
416518.79	3730011.46	17.76849	(13013017)	417023.54
3730011.46	15.30474 (14111917)			
406928.54	3730515.38	6.54871	(14120317)	407433.29
3730515.38	6.33274 (14120317)			
407938.04	3730515.38	5.78999	(14120317)	408442.79
3730515.38	5.35581 (12112609)			
408947.54	3730515.38	4.91125	(12112609)	409452.29
3730515.38	4.77377 (12112109)			
409957.04	3730515.38	4.95796	(15021909)	410461.79
3730515.38	9.63563 (14121617)			
410966.54	3730515.38	20.30381	(13012117)	411471.29
3730515.38	28.65207 (13012117)			
411976.04	3730515.38	30.64970	(12112917)	412480.79
3730515.38	41.33649 (12121217)			
412985.54	3730515.38	39.04729	(15121017)	413490.29
3730515.38	40.42186 (16110817)			
413995.04	3730515.38	36.43716	(14102417)	414499.79
3730515.38	32.50769 (12011317)			
415004.54	3730515.38	29.50007	(14102317)	415509.29
3730515.38	22.21408 (13120517)			
416014.04	3730515.38	19.91599	(16120817)	416518.79
3730515.38	16.68861 (14110617)			
417023.54	3730515.38	15.09160	(15102617)	410498.80
3722355.26	7.67487 (16122117)			
410518.80	3722355.26	7.72293	(16122117)	410538.80
3722355.26	7.76768 (16122117)			
410558.80	3722355.26	7.80908	(16122117)	410578.80
3722355.26	7.84640 (16122117)			
410598.80	3722355.26	7.88241	(16122117)	410618.80
3722355.26	7.90976 (16122117)			
410638.80	3722355.26	7.93576	(16122117)	410658.80
3722355.26	7.96157 (16122117)			
410678.80	3722355.26	7.98072	(16122117)	410698.80
3722355.26	7.99427 (16122117)			
410718.80	3722355.26	8.00374	(16122117)	410738.80
3722355.26	8.00727 (16122117)			
410498.80	3722375.26	7.69216	(16122117)	410518.80
3722375.26	7.74186 (16122117)			
410538.80	3722375.26	7.78845	(16122117)	410558.80
3722375.26	7.83168 (16122117)			
410578.80	3722375.26	7.87312	(16122117)	410598.80
3722375.26	7.90580 (16122117)			
410618.80	3722375.26	7.93729	(16122117)	410638.80
3722375.26	7.96928 (16122117)			
410658.80	3722375.26	7.99391	(16122117)	410678.80
3722375.26	8.01257 (16122117)			

410698.80	3722375.26	8.02724	(16122117)	410718.80
3722375.26	8.03946	(16122117)		
410738.80	3722375.26	8.04635	(16122117)	410758.80
3722375.26	8.04676	(16122117)		
410498.80	3722395.26	7.70874	(16122117)	410518.80
3722395.26	7.76035	(16122117)		
410538.80	3722395.26	7.80854	(16122117)	410558.80
3722395.26	7.85544	(16122117)		
410578.80	3722395.26	7.89428	(16122117)	410598.80
3722395.26	7.93118	(16122117)		
410618.80	3722395.26	7.96833	(16122117)	410638.80
3722395.26	7.99945	(16122117)		
410658.80	3722395.26	8.02404	(16122117)	410678.80
3722395.26	8.04411	(16122117)		
410698.80	3722395.26	8.06122	(16122117)	410718.80
3722395.26	8.07379	(16122117)		
410738.80	3722395.26	8.08362	(16122117)	410758.80
3722395.26	8.08728	(16122117)		
410778.80	3722395.26	8.08536	(16122117)	410498.80
3722415.26	7.72574	(16122117)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410518.80	3722415.26	7.77840	(16122117)	410538.80

3722415.26	7.82998	(16122117)		
410558.80	3722415.26		7.87549	(16122117)
3722415.26	7.91720	(16122117)		410578.80
410598.80	3722415.26		7.95944	(16122117)
3722415.26	7.99684	(16122117)		410618.80
410638.80	3722415.26		8.02745	(16122117)
3722415.26	8.05326	(16122117)		410658.80
410678.80	3722415.26		8.07689	(16122117)
3722415.26	8.09548	(16122117)		410698.80
410718.80	3722415.26		8.10876	(16122117)
3722415.26	8.11970	(16122117)		410738.80
410758.80	3722415.26		8.12662	(16122117)
3722415.26	8.12652	(16122117)		410778.80
410798.80	3722415.26		8.12260	(16122117)
3722435.26	7.74114	(16122117)		410498.80
410518.80	3722435.26		7.79707	(16122117)
3722435.26	7.84927	(16122117)		410538.80
410558.80	3722435.26		7.89565	(16122117)
3722435.26	7.94221	(16122117)		410578.80
410598.80	3722435.26		7.98639	(16122117)
3722435.26	8.02274	(16122117)		410618.80
410638.80	3722435.26		8.05445	(16122117)
3722435.26	8.08386	(16122117)		410658.80
410678.80	3722435.26		8.10904	(16122117)
3722435.26	8.12888	(16122117)		410698.80
410718.80	3722435.26		8.14419	(16122117)
3722435.26	8.15552	(16122117)		410738.80
410758.80	3722435.26		8.16447	(16122117)
3722435.26	8.16790	(16122117)		410778.80
410798.80	3722435.26		8.16361	(16122117)
3722435.26	8.15834	(16122117)		410818.80
410498.80	3722455.26		7.75588	(16122117)
3722455.26	7.81500	(16122117)		410518.80
410538.80	3722455.26		7.86644	(16122117)
3722455.26	7.91734	(16122117)		410558.80
410578.80	3722455.26		7.96780	(16122117)
3722455.26	8.01024	(16122117)		410598.80
410618.80	3722455.26		8.04765	(16122117)
3722455.26	8.08242	(16122117)		410638.80
410658.80	3722455.26		8.11390	(16122117)
3722455.26	8.14045	(16122117)		410678.80
410698.80	3722455.26		8.16139	(16122117)
3722455.26	8.17870	(16122117)		410718.80
410738.80	3722455.26		8.19157	(16122117)
3722455.26	8.20235	(16122117)		410758.80
410778.80	3722455.26		8.20555	(16122117)
3722455.26	8.20370	(16122117)		410798.80
410818.80	3722455.26		8.20019	(16122117)
3722455.26	8.19258	(16122117)		410838.80
410498.80	3722475.26		7.77158	(16122117)

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
3722495.26	410738.80	3722495.26	8.26309	(16122117)	410758.80
		8.27610 (16122117)			
3722495.26	410778.80	3722495.26	8.28084	(16122117)	410798.80
		8.28611 (16122117)			
3722495.26	410818.80	3722495.26	8.28603	(16122117)	410838.80
		8.28023 (16122117)			
3722515.26	410858.80	3722495.26	8.27030	(16122117)	410498.80
		7.79818 (16122117)			
3722515.26	410518.80	3722515.26	7.86258	(16122117)	410538.80
		7.92494 (16122117)			
3722515.26	410558.80	3722515.26	7.97976	(16122117)	410578.80
		8.03006 (16122117)			
3722515.26	410598.80	3722515.26	8.07884	(16122117)	410618.80
		8.12351 (16122117)			
3722515.26	410638.80	3722515.26	8.16295	(16122117)	410658.80
		8.19912 (16122117)			
3722515.26	410678.80	3722515.26	8.23128	(16122117)	410698.80
		8.25696 (16122117)			
3722515.26	410718.80	3722515.26	8.27888	(16122117)	410738.80
		8.29826 (16122117)			
3722515.26	410758.80	3722515.26	8.31256	(16122117)	410778.80
		8.31929 (16122117)			
3722515.26	410798.80	3722515.26	8.32650	(16122117)	410818.80
		8.32861 (16122117)			
3722515.26	410838.80	3722515.26	8.32487	(16122117)	410858.80
		8.31562 (16122117)			
3722535.26	410878.80	3722515.26	8.30295	(16122117)	410498.80
		7.81184 (16122117)			
3722535.26	410518.80	3722535.26	7.88026	(16122117)	410538.80
		7.94125 (16122117)			
3722535.26	410558.80	3722535.26	7.99739	(16122117)	410578.80
		8.05062 (16122117)			
3722535.26	410598.80	3722535.26	8.10137	(16122117)	410618.80
		8.14768 (16122117)			
3722535.26	410638.80	3722535.26	8.18931	(16122117)	410658.80
		8.22706 (16122117)			
3722535.26	410678.80	3722535.26	8.26020	(16122117)	410698.80
		8.28809 (16122117)			
3722535.26	410718.80	3722535.26	8.31179	(16122117)	410738.80
		8.33305 (16122117)			
3722535.26	410758.80	3722535.26	8.34899	(16122117)	410778.80
		8.35740 (16122117)			


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, L0000011      , L0000012      , L0000013      ,
      L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000019      , L0000020      , L0000021      ,
      L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000027      , L0000028      , . . .
      L0000022      , L0000023      , L0000024      , L0000025      , L0000026

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410698.80	3722575.26	8.34784	(16122117)	410718.80
3722575.26	8.37609	(16122117)		
410738.80	3722575.26	8.40036	(16122117)	410758.80
3722575.26	8.41866	(16122117)		
410778.80	3722575.26	8.43337	(16122117)	410798.80
3722575.26	8.44573	(16122117)		
410818.80	3722575.26	8.45140	(16122117)	410838.80
3722575.26	8.45170	(16122117)		
410858.80	3722575.26	8.44818	(16122117)	410878.80
3722575.26	8.44155	(16122117)		
410898.80	3722575.26	8.42933	(16122117)	410918.80
3722575.26	8.41146	(16122117)		
410938.80	3722575.26	8.38957	(16122117)	410498.80
3722595.26	7.85139	(16122117)		
410518.80	3722595.26	7.92055	(16122117)	410538.80
3722595.26	7.98690	(16122117)		
410558.80	3722595.26	8.04950	(16122117)	410578.80
3722595.26	8.10799	(16122117)		
410598.80	3722595.26	8.16320	(16122117)	410618.80
3722595.26	8.21448	(16122117)		
410638.80	3722595.26	8.26168	(16122117)	410658.80
3722595.26	8.30494	(16122117)		
410678.80	3722595.26	8.34392	(16122117)	410698.80
3722595.26	8.37869	(16122117)		
410718.80	3722595.26	8.40904	(16122117)	410738.80
3722595.26	8.43537	(16122117)		
410758.80	3722595.26	8.45602	(16122117)	410778.80
3722595.26	8.47121	(16122117)		
410798.80	3722595.26	8.48419	(16122117)	410818.80
3722595.26	8.49155	(16122117)		
410838.80	3722595.26	8.49483	(16122117)	410858.80
3722595.26	8.49226	(16122117)		
410878.80	3722595.26	8.48738	(16122117)	410898.80

3722595.26	8.47664	(16122117)		
410918.80	3722595.26		8.46022	(16122117)
3722595.26	8.44007	(16122117)		410938.80
410498.80	3722615.26		7.86126	(16122117)
3722615.26	7.93248	(16122117)		410518.80
410538.80	3722615.26		8.00083	(16122117)
3722615.26	8.06537	(16122117)		410558.80
410578.80	3722615.26		8.12627	(16122117)
3722615.26	8.18319	(16122117)		410598.80
410618.80	3722615.26		8.23646	(16122117)
3722615.26	8.28567	(16122117)		410638.80
410658.80	3722615.26		8.33092	(16122117)
3722615.26	8.37201	(16122117)		410678.80
410698.80	3722615.26		8.40891	(16122117)
3722615.26	8.44100	(16122117)		410718.80
410738.80	3722615.26		8.46923	(16122117)
3722615.26	8.49208	(16122117)		410758.80
410778.80	3722615.26		8.50883	(16122117)
3722615.26	8.52260	(16122117)		410798.80
410818.80	3722615.26		8.53105	(16122117)
3722615.26	8.53604	(16122117)		410838.80
410858.80	3722615.26		8.53581	(16122117)
3722615.26	8.53178	(16122117)		410878.80
410898.80	3722615.26		8.52252	(16122117)
3722615.26	8.50831	(16122117)		410918.80
410938.80	3722615.26		8.48968	(16122117)
3722615.26	8.46681	(16122117)		410958.80
410498.80	3722635.26		7.86881	(16122117)
3722635.26	7.94245	(16122117)		410518.80
410538.80	3722635.26		8.01274	(16122117)
3722635.26	8.07942	(16122117)		410558.80
410578.80	3722635.26		8.14230	(16122117)
3722635.26	8.20163	(16122117)		410598.80
410618.80	3722635.26		8.25681	(16122117)
3722635.26	8.30822	(16122117)		410638.80
410658.80	3722635.26		8.35537	(16122117)
3722635.26	8.39833	(16122117)		410678.80
410698.80	3722635.26		8.43710	(16122117)
3722635.26	8.47142	(16122117)		410718.80
410738.80	3722635.26		8.50139	(16122117)
3722635.26	8.52631	(16122117)		410758.80
410778.80	3722635.26		8.54568	(16122117)
3722635.26	8.56124	(16122117)		410798.80
410818.80	3722635.26		8.57119	(16122117)
3722635.26	8.57825	(16122117)		410838.80
410858.80	3722635.26		8.58049	(16122117)
3722635.26	8.57781	(16122117)		410878.80

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20

*** AERMET - VERSION 16216 *** ***

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PAGE 450

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410898.80	3722635.26	8.56995	(16122117)	410918.80
3722635.26	8.55708	(16122117)		
410938.80	3722635.26	8.53978	(16122117)	410958.80
3722635.26	8.51799	(16122117)		
410978.80	3722635.26	8.49136	(16122117)	410498.80
3722655.26	7.87669	(16122117)		
410518.80	3722655.26	7.95209	(16122117)	410538.80
3722655.26	8.02419	(16122117)		
410558.80	3722655.26	8.09269	(16122117)	410578.80
3722655.26	8.15756	(16122117)		
410598.80	3722655.26	8.21875	(16122117)	410618.80
3722655.26	8.27594	(16122117)		
410638.80	3722655.26	8.32917	(16122117)	410658.80
3722655.26	8.37852	(16122117)		
410678.80	3722655.26	8.42346	(16122117)	410698.80
3722655.26	8.46421	(16122117)		
410718.80	3722655.26	8.50054	(16122117)	410738.80
3722655.26	8.53241	(16122117)		
410758.80	3722655.26	8.55962	(16122117)	410778.80
3722655.26	8.58208	(16122117)		
410798.80	3722655.26	8.59910	(16122117)	410818.80
3722655.26	8.61071	(16122117)		
410838.80	3722655.26	8.62025	(16122117)	410858.80
3722655.26	8.62491	(16122117)		

410878.80	3722655.26	8.62406	(16122117)	410898.80
3722655.26	8.61773	(16122117)		
410918.80	3722655.26	8.60671	(16122117)	410938.80
3722655.26	8.59085	(16122117)		
410958.80	3722655.26	8.57019	(16122117)	410978.80
3722655.26	8.54410	(16122117)		
410998.80	3722655.26	8.51411	(16122117)	410498.80
3722675.26	7.88499	(16122117)		
410518.80	3722675.26	7.96366	(16122117)	410538.80
3722675.26	8.03782	(16122117)		
410558.80	3722675.26	8.10811	(16122117)	410578.80
3722675.26	8.17521	(16122117)		
410598.80	3722675.26	8.23848	(16122117)	410618.80
3722675.26	8.29765	(16122117)		
410638.80	3722675.26	8.35133	(16122117)	410658.80
3722675.26	8.40371	(16122117)		
410678.80	3722675.26	8.45088	(16122117)	410698.80
3722675.26	8.49361	(16122117)		
410718.80	3722675.26	8.53181	(16122117)	410738.80
3722675.26	8.56557	(16122117)		
410758.80	3722675.26	8.59445	(16122117)	410778.80
3722675.26	8.61806	(16122117)		
410798.80	3722675.26	8.63671	(16122117)	410818.80
3722675.26	8.65013	(16122117)		
410838.80	3722675.26	8.66105	(16122117)	410858.80
3722675.26	8.66783	(16122117)		
410878.80	3722675.26	8.66888	(16122117)	410898.80
3722675.26	8.66434	(16122117)		
410918.80	3722675.26	8.65502	(16122117)	410938.80
3722675.26	8.64125	(16122117)		
410958.80	3722675.26	8.62168	(16122117)	410978.80
3722675.26	8.59694	(16122117)		
410998.80	3722675.26	8.56823	(16122117)	411018.80
3722675.26	8.53462	(16122117)		
410498.80	3722695.26	7.89337	(16122117)	410518.80
3722695.26	7.97378	(16122117)		
410538.80	3722695.26	8.04972	(16122117)	410558.80
3722695.26	8.12213	(16122117)		
410578.80	3722695.26	8.19121	(16122117)	410598.80
3722695.26	8.25662	(16122117)		
410618.80	3722695.26	8.31731	(16122117)	410638.80
3722695.26	8.37299	(16122117)		
410658.80	3722695.26	8.42788	(16122117)	410678.80
3722695.26	8.47695	(16122117)		
410698.80	3722695.26	8.52172	(16122117)	410718.80
3722695.26	8.56178	(16122117)		
410738.80	3722695.26	8.59781	(16122117)	410758.80
3722695.26	8.62840	(16122117)		
410778.80	3722695.26	8.65356	(16122117)	410798.80
3722695.26	8.67424	(16122117)		

410818.80	3722695.26	8.68954	(16122117)	410838.80
3722695.26	8.70226	(16122117)		
410858.80	3722695.26	8.71071	(16122117)	410878.80
3722695.26	8.71312	(16122117)		
410898.80	3722695.26	8.70976	(16122117)	410918.80
3722695.26	8.70199	(16122117)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410938.80	3722695.26	8.69033	(16122117)	410958.80
3722695.26	8.67265	(16122117)		
410978.80	3722695.26	8.64879	(16122117)	410998.80
3722695.26	8.62158	(16122117)		
411018.80	3722695.26	8.59049	(16122117)	411038.80
3722695.26	8.55284	(16122117)		
410498.80	3722715.26	7.90110	(16122117)	410518.80
3722715.26	7.98257	(16122117)		
410538.80	3722715.26	8.06003	(16122117)	410558.80
3722715.26	8.13414	(16122117)		
410578.80	3722715.26	8.20583	(16122117)	410598.80
3722715.26	8.27350	(16122117)		
410618.80	3722715.26	8.33617	(16122117)	410638.80
3722715.26	8.39385	(16122117)		
410658.80	3722715.26	8.45065	(16122117)	410678.80

3722715.26	8.50172	(16122117)		
410698.80	3722715.26		8.54844	(16122117)
3722715.26	8.59071	(16122117)		410718.80
410738.80	3722715.26		8.62835	(16122117)
3722715.26	8.66135	(16122117)		410758.80
410778.80	3722715.26		8.68866	(16122117)
3722715.26	8.71127	(16122117)		410798.80
410818.80	3722715.26		8.72853	(16122117)
3722715.26	8.74294	(16122117)		410838.80
410858.80	3722715.26		8.75327	(16122117)
3722715.26	8.75731	(16122117)		410878.80
410898.80	3722715.26		8.75513	(16122117)
3722715.26	8.74909	(16122117)		410918.80
410938.80	3722715.26		8.73930	(16122117)
3722715.26	8.72375	(16122117)		410958.80
410978.80	3722715.26		8.70102	(16122117)
3722715.26	8.67592	(16122117)		410998.80
411018.80	3722715.26		8.64585	(16122117)
3722715.26	8.61056	(16122117)		411038.80
410498.80	3722735.26		7.90600	(16122117)
3722735.26	7.98902	(16122117)		410518.80
410538.80	3722735.26		8.06882	(16122117)
3722735.26	8.14537	(16122117)		410558.80
410578.80	3722735.26		8.21942	(16122117)
3722735.26	8.28949	(16122117)		410598.80
410618.80	3722735.26		8.35454	(16122117)
3722735.26	8.41390	(16122117)		410638.80
410658.80	3722735.26		8.47142	(16122117)
3722735.26	8.52456	(16122117)		410678.80
410698.80	3722735.26		8.57332	(16122117)
3722735.26	8.61766	(16122117)		410718.80
410738.80	3722735.26		8.65735	(16122117)
3722735.26	8.69286	(16122117)		410758.80
410778.80	3722735.26		8.72332	(16122117)
3722735.26	8.74772	(16122117)		410798.80
410818.80	3722735.26		8.76714	(16122117)
3722735.26	8.78340	(16122117)		410838.80
410858.80	3722735.26		8.79559	(16122117)
3722735.26	8.80175	(16122117)		410878.80
410898.80	3722735.26		8.80200	(16122117)
3722735.26	8.79703	(16122117)		410918.80
410938.80	3722735.26		8.78736	(16122117)
3722735.26	8.77285	(16122117)		410958.80
410978.80	3722735.26		8.75372	(16122117)
3722735.26	8.73088	(16122117)		410998.80
411018.80	3722735.26		8.70174	(16122117)
3722735.26	8.66729	(16122117)		411038.80
411058.80	3722735.26		8.62846	(16122117)
3722755.26	7.91330	(16122117)		410498.80
410518.80	3722755.26		7.99835	(16122117)

3722755.26	8.08009	(16122117)		
410558.80	3722755.26		8.15790	(16122117) 410578.80
3722755.26	8.23359	(16122117)		
410598.80	3722755.26		8.30523	(16122117) 410618.80
3722755.26	8.37209	(16122117)		
410638.80	3722755.26		8.43369	(16122117) 410658.80
3722755.26	8.49508	(16122117)		
410678.80	3722755.26		8.55009	(16122117) 410698.80
3722755.26	8.60106	(16122117)		
410718.80	3722755.26		8.64727	(16122117) 410738.80
3722755.26	8.68875	(16122117)		
410758.80	3722755.26		8.72598	(16122117) 410778.80
3722755.26	8.75754	(16122117)		
410798.80	3722755.26		8.78371	(16122117) 410818.80
3722755.26	8.80521	(16122117)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

PAGE 452

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410838.80	3722755.26	8.82359	(16122117)	410858.80
3722755.26	8.83751	(16122117)		
410878.80	3722755.26	8.84579	(16122117)	410898.80
3722755.26	8.84853	(16122117)		
410918.80	3722755.26	8.84568	(16122117)	410938.80
3722755.26	8.83675	(16122117)		

410958.80	3722755.26	8.82346	(16122117)	410978.80
3722755.26	8.80674	(16122117)		
410998.80	3722755.26	8.78377	(16122117)	411018.80
3722755.26	8.75678	(16122117)		
411038.80	3722755.26	8.72464	(16122117)	411058.80
3722755.26	8.68674	(16122117)		
411078.80	3722755.26	8.64414	(16122117)	410498.80
3722775.26	7.91856	(16122117)		
410518.80	3722775.26	8.00540	(16122117)	410538.80
3722775.26	8.08941	(16122117)		
410558.80	3722775.26	8.16970	(16122117)	410578.80
3722775.26	8.24672	(16122117)		
410598.80	3722775.26	8.32030	(16122117)	410618.80
3722775.26	8.38896	(16122117)		
410638.80	3722775.26	8.45275	(16122117)	410658.80
3722775.26	8.51624	(16122117)		
410678.80	3722775.26	8.57351	(16122117)	410698.80
3722775.26	8.62651	(16122117)		
410718.80	3722775.26	8.67497	(16122117)	410738.80
3722775.26	8.71898	(16122117)		
410758.80	3722775.26	8.75787	(16122117)	410778.80
3722775.26	8.79130	(16122117)		
410798.80	3722775.26	8.81953	(16122117)	410818.80
3722775.26	8.84276	(16122117)		
410838.80	3722775.26	8.86313	(16122117)	410858.80
3722775.26	8.87906	(16122117)		
410878.80	3722775.26	8.88828	(16122117)	410898.80
3722775.26	8.89342	(16122117)		
410918.80	3722775.26	8.89321	(16122117)	410938.80
3722775.26	8.88517	(16122117)		
410958.80	3722775.26	8.87592	(16122117)	410978.80
3722775.26	8.86079	(16122117)		
410998.80	3722775.26	8.83835	(16122117)	411018.80
3722775.26	8.81152	(16122117)		
411038.80	3722775.26	8.78124	(16122117)	411058.80
3722775.26	8.74513	(16122117)		
411078.80	3722775.26	8.70407	(16122117)	411098.80
3722775.26	8.65763	(16122117)		
410498.80	3722795.26	7.92235	(16122117)	410518.80
3722795.26	8.01113	(16122117)		
410538.80	3722795.26	8.09684	(16122117)	410558.80
3722795.26	8.17879	(16122117)		
410578.80	3722795.26	8.25839	(16122117)	410598.80
3722795.26	8.33421	(16122117)		
410618.80	3722795.26	8.40527	(16122117)	410638.80
3722795.26	8.47118	(16122117)		
410658.80	3722795.26	8.53630	(16122117)	410678.80
3722795.26	8.59526	(16122117)		
410698.80	3722795.26	8.65061	(16122117)	410718.80
3722795.26	8.70125	(16122117)		

Y-COORD (M)	CONC	(YYMMDDHH)		
410578.80	3722815.26	8.26972	(16122117)	410598.80
3722815.26	8.34780	(16122117)		
410618.80	3722815.26	8.42115	(16122117)	410638.80
3722815.26	8.48862	(16122117)		
410658.80	3722815.26	8.55459	(16122117)	410678.80
3722815.26	8.61601	(16122117)		
410698.80	3722815.26	8.67309	(16122117)	410718.80
3722815.26	8.72583	(16122117)		
410738.80	3722815.26	8.77418	(16122117)	410758.80
3722815.26	8.81818	(16122117)		
410778.80	3722815.26	8.85724	(16122117)	410798.80
3722815.26	8.88921	(16122117)		
410818.80	3722815.26	8.91676	(16122117)	410838.80
3722815.26	8.94119	(16122117)		
410858.80	3722815.26	8.96127	(16122117)	410878.80
3722815.26	8.97517	(16122117)		
410898.80	3722815.26	8.98208	(16122117)	410918.80
3722815.26	8.98505	(16122117)		
410938.80	3722815.26	8.98461	(16122117)	410958.80
3722815.26	8.97825	(16122117)		
410978.80	3722815.26	8.96557	(16122117)	410998.80
3722815.26	8.94796	(16122117)		
411018.80	3722815.26	8.92452	(16122117)	411038.80
3722815.26	8.89460	(16122117)		
411058.80	3722815.26	8.86160	(16122117)	411078.80
3722815.26	8.82413	(16122117)		
411098.80	3722815.26	8.78017	(16122117)	411118.80
3722815.26	8.73166	(16122117)		
411138.80	3722815.26	8.67824	(16122117)	410498.80
3722835.26	7.92866	(16122117)		
410518.80	3722835.26	8.02147	(16122117)	410538.80
3722835.26	8.11114	(16122117)		
410558.80	3722835.26	8.19729	(16122117)	410578.80
3722835.26	8.28073	(16122117)		
410598.80	3722835.26	8.36065	(16122117)	410618.80
3722835.26	8.43615	(16122117)		
410638.80	3722835.26	8.50602	(16122117)	410658.80
3722835.26	8.57593	(16122117)		
410678.80	3722835.26	8.63934	(16122117)	410698.80
3722835.26	8.69852	(16122117)		
410718.80	3722835.26	8.75345	(16122117)	410738.80
3722835.26	8.80330	(16122117)		
410758.80	3722835.26	8.84904	(16122117)	410778.80
3722835.26	8.88946	(16122117)		
410798.80	3722835.26	8.92366	(16122117)	410818.80
3722835.26	8.95334	(16122117)		
410838.80	3722835.26	8.97993	(16122117)	410858.80

3722835.26	9.00179	(16122117)			
410878.80	3722835.26	9.01715	(16122117)	410898.80	
3722835.26	9.02600	(16122117)			
410918.80	3722835.26	9.03306	(16122117)	410938.80	
3722835.26	9.03356	(16122117)			
410958.80	3722835.26	9.02834	(16122117)	410978.80	
3722835.26	9.01702	(16122117)			
410998.80	3722835.26	9.00148	(16122117)	411018.80	
3722835.26	8.98051	(16122117)			
411038.80	3722835.26	8.95323	(16122117)	411058.80	
3722835.26	8.91970	(16122117)			
411078.80	3722835.26	8.88396	(16122117)	411098.80	
3722835.26	8.84216	(16122117)			
411118.80	3722835.26	8.79422	(16122117)	411138.80	
3722835.26	8.74189	(16122117)			
410498.80	3722855.26	7.93090	(16122117)	410518.80	
3722855.26	8.02580	(16122117)			
410538.80	3722855.26	8.11738	(16122117)	410558.80	
3722855.26	8.20585	(16122117)			
410578.80	3722855.26	8.29088	(16122117)	410598.80	
3722855.26	8.37270	(16122117)			
410618.80	3722855.26	8.45021	(16122117)	410638.80	
3722855.26	8.52233	(16122117)			
410658.80	3722855.26	8.59432	(16122117)	410678.80	
3722855.26	8.66025	(16122117)			
410698.80	3722855.26	8.72189	(16122117)	410718.80	
3722855.26	8.77886	(16122117)			
410738.80	3722855.26	8.83126	(16122117)	410758.80	
3722855.26	8.87873	(16122117)			
410778.80	3722855.26	8.92098	(16122117)	410798.80	
3722855.26	8.95754	(16122117)			
410818.80	3722855.26	8.98942	(16122117)	410838.80	
3722855.26	9.01796	(16122117)			

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 *** 05/26/20

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 *** 16:48:31

PAGE 454

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026

, L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410858.80	3722855.26	9.04219	(16122117)	410878.80
3722855.26	9.05803	(16122117)		
410898.80	3722855.26	9.07110	(16122117)	410918.80
3722855.26	9.07942	(16122117)		
410938.80	3722855.26	9.08250	(16122117)	410958.80
3722855.26	9.07781	(16122117)		
410978.80	3722855.26	9.06814	(16122117)	410998.80
3722855.26	9.05448	(16122117)		
411018.80	3722855.26	9.03605	(16122117)	411038.80
3722855.26	9.01110	(16122117)		
411058.80	3722855.26	8.97889	(16122117)	411078.80
3722855.26	8.94382	(16122117)		
411098.80	3722855.26	8.90396	(16122117)	411118.80
3722855.26	8.85799	(16122117)		
411138.80	3722855.26	8.80579	(16122117)	411158.80
3722855.26	8.74967	(16122117)		
410498.80	3722875.26	7.93131	(16122117)	410518.80
3722875.26	8.02821	(16122117)		
410538.80	3722875.26	8.12176	(16122117)	410558.80
3722875.26	8.21252	(16122117)		
410578.80	3722875.26	8.29952	(16122117)	410598.80
3722875.26	8.38331	(16122117)		
410618.80	3722875.26	8.46319	(16122117)	410638.80
3722875.26	8.53784	(16122117)		
410658.80	3722875.26	8.61126	(16122117)	410678.80
3722875.26	8.67953	(16122117)		
410698.80	3722875.26	8.74344	(16122117)	410718.80
3722875.26	8.80257	(16122117)		
410738.80	3722875.26	8.85708	(16122117)	410758.80
3722875.26	8.90704	(16122117)		
410778.80	3722875.26	8.95203	(16122117)	410798.80
3722875.26	8.99079	(16122117)		
410818.80	3722875.26	9.02498	(16122117)	410838.80
3722875.26	9.05563	(16122117)		
410858.80	3722875.26	9.08058	(16122117)	410878.80
3722875.26	9.09921	(16122117)		
410898.80	3722875.26	9.11539	(16122117)	410918.80
3722875.26	9.12544	(16122117)		

410938.80	3722875.26	9.13002	(16122117)	410958.80
3722875.26	9.12841	(16122117)		
410978.80	3722875.26	9.11967	(16122117)	410998.80
3722875.26	9.10717	(16122117)		
411018.80	3722875.26	9.09070	(16122117)	411038.80
3722875.26	9.06809	(16122117)		
411058.80	3722875.26	9.03804	(16122117)	411078.80
3722875.26	9.00376	(16122117)		
411098.80	3722875.26	8.96534	(16122117)	411118.80
3722875.26	8.92067	(16122117)		
411138.80	3722875.26	8.86985	(16122117)	411158.80
3722875.26	8.81511	(16122117)		
411178.80	3722875.26	8.75520	(16122117)	410498.80
3722895.26	7.93055	(16122117)		
410518.80	3722895.26	8.02892	(16122117)	410538.80
3722895.26	8.12498	(16122117)		
410558.80	3722895.26	8.21757	(16122117)	410578.80
3722895.26	8.30676	(16122117)		
410598.80	3722895.26	8.39229	(16122117)	410618.80
3722895.26	8.47479	(16122117)		
410638.80	3722895.26	8.55299	(16122117)	410658.80
3722895.26	8.62732	(16122117)		
410678.80	3722895.26	8.69717	(16122117)	410698.80
3722895.26	8.76354	(16122117)		
410718.80	3722895.26	8.82499	(16122117)	410738.80
3722895.26	8.88167	(16122117)		
410758.80	3722895.26	8.93427	(16122117)	410778.80
3722895.26	8.98249	(16122117)		
410798.80	3722895.26	9.02455	(16122117)	410818.80
3722895.26	9.06097	(16122117)		
410838.80	3722895.26	9.09216	(16122117)	410858.80
3722895.26	9.11878	(16122117)		
410878.80	3722895.26	9.14208	(16122117)	410898.80
3722895.26	9.15801	(16122117)		
410918.80	3722895.26	9.16997	(16122117)	410938.80
3722895.26	9.17720	(16122117)		
410958.80	3722895.26	9.17804	(16122117)	410978.80
3722895.26	9.17154	(16122117)		
410998.80	3722895.26	9.16004	(16122117)	411018.80
3722895.26	9.14577	(16122117)		
411038.80	3722895.26	9.12491	(16122117)	411058.80
3722895.26	9.09669	(16122117)		

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                                *** 16:48:31

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411078.80	3722895.26	9.06322	(16122117)	411098.80
3722895.26	9.02546	(16122117)		
411118.80	3722895.26	8.98231	(16122117)	411138.80
3722895.26	8.93379	(16122117)		
411158.80	3722895.26	8.88038	(16122117)	411178.80
3722895.26	8.82205	(16122117)		
411198.80	3722895.26	8.75820	(16122117)	410498.80
3722915.26	7.93219	(16122117)		
410518.80	3722915.26	8.03106	(16122117)	410538.80
3722915.26	8.13033	(16122117)		
410558.80	3722915.26	8.22501	(16122117)	410578.80
3722915.26	8.31624	(16122117)		
410598.80	3722915.26	8.40282	(16122117)	410618.80
3722915.26	8.48885	(16122117)		
410638.80	3722915.26	8.56946	(16122117)	410658.80
3722915.26	8.64561	(16122117)		
410678.80	3722915.26	8.71630	(16122117)	410698.80
3722915.26	8.78609	(16122117)		
410718.80	3722915.26	8.85013	(16122117)	410738.80
3722915.26	8.90919	(16122117)		
410758.80	3722915.26	8.96332	(16122117)	410778.80
3722915.26	9.01257	(16122117)		
410798.80	3722915.26	9.05683	(16122117)	410818.80
3722915.26	9.09591	(16122117)		
410838.80	3722915.26	9.12884	(16122117)	410858.80
3722915.26	9.15909	(16122117)		
410878.80	3722915.26	9.18397	(16122117)	410898.80
3722915.26	9.20242	(16122117)		
410918.80	3722915.26	9.21595	(16122117)	410938.80

3722915.26	9.22439	(16122117)			
410958.80	3722915.26		9.22716	(16122117)	410978.80
3722915.26	9.22314	(16122117)			
410998.80	3722915.26		9.21292	(16122117)	411018.80
3722915.26	9.19994	(16122117)			
411038.80	3722915.26		9.18030	(16122117)	411058.80
3722915.26	9.15421	(16122117)			
411078.80	3722915.26		9.12408	(16122117)	411098.80
3722915.26	9.08879	(16122117)			
411118.80	3722915.26		9.04688	(16122117)	411138.80
3722915.26	8.99954	(16122117)			
411158.80	3722915.26		8.94725	(16122117)	411178.80
3722915.26	8.88887	(16122117)			
411198.80	3722915.26		8.82640	(16122117)	411218.80
3722915.26	8.75918	(16122117)			
410498.80	3722935.26		7.93109	(16122117)	410518.80
3722935.26	8.03202	(16122117)			
410538.80	3722935.26		8.13392	(16122117)	410558.80
3722935.26	8.23082	(16122117)			
410578.80	3722935.26		8.32396	(16122117)	410598.80
3722935.26	8.41221	(16122117)			
410618.80	3722935.26		8.50060	(16122117)	410638.80
3722935.26	8.58360	(16122117)			
410658.80	3722935.26		8.66184	(16122117)	410678.80
3722935.26	8.73450	(16122117)			
410698.80	3722935.26		8.80703	(16122117)	410718.80
3722935.26	8.87357	(16122117)			
410738.80	3722935.26		8.93498	(16122117)	410758.80
3722935.26	8.99071	(16122117)			
410778.80	3722935.26		9.04192	(16122117)	410798.80
3722935.26	9.08815	(16122117)			
410818.80	3722935.26		9.12862	(16122117)	410838.80
3722935.26	9.16575	(16122117)			
410858.80	3722935.26		9.19838	(16122117)	410878.80
3722935.26	9.22507	(16122117)			
410898.80	3722935.26		9.24584	(16122117)	410918.80
3722935.26	9.26153	(16122117)			
410938.80	3722935.26		9.27126	(16122117)	410958.80
3722935.26	9.27586	(16122117)			
410978.80	3722935.26		9.27398	(16122117)	410998.80
3722935.26	9.26565	(16122117)			
411018.80	3722935.26		9.25443	(16122117)	411038.80
3722935.26	9.23653	(16122117)			
411058.80	3722935.26		9.21271	(16122117)	411078.80
3722935.26	9.18397	(16122117)			
411098.80	3722935.26		9.15089	(16122117)	411118.80
3722935.26	9.11060	(16122117)			
411138.80	3722935.26		9.06500	(16122117)	411158.80
3722935.26	9.01414	(16122117)			
411178.80	3722935.26		8.95698	(16122117)	411198.80

3722935.26 8.89436 (16122117)

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20

*** AERMET - VERSION 16216 *** ***

*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411218.80	3722935.26	8.82803	(16122117)	410498.80
3722955.26	7.92939 (16122117)			
410518.80	3722955.26	8.03221	(16122117)	410538.80
3722955.26	8.13563 (16122117)			
410558.80	3722955.26	8.23534	(16122117)	410578.80
3722955.26	8.33029 (16122117)			
410598.80	3722955.26	8.42072	(16122117)	410618.80
3722955.26	8.51095 (16122117)			
410638.80	3722955.26	8.59657	(16122117)	410658.80
3722955.26	8.67696 (16122117)			
410678.80	3722955.26	8.75199	(16122117)	410698.80
3722955.26	8.82666 (16122117)			
410718.80	3722955.26	8.89570	(16122117)	410738.80
3722955.26	8.95945 (16122117)			
410758.80	3722955.26	9.01709	(16122117)	410778.80
3722955.26	9.07066 (16122117)			
410798.80	3722955.26	9.11856	(16122117)	410818.80
3722955.26	9.16139 (16122117)			
410838.80	3722955.26	9.20109	(16122117)	410858.80
3722955.26	9.23512 (16122117)			

410878.80	3722955.26	9.26382	(16122117)	410898.80
3722955.26	9.28686	(16122117)		
410918.80	3722955.26	9.30463	(16122117)	410938.80
3722955.26	9.31646	(16122117)		
410958.80	3722955.26	9.32309	(16122117)	410978.80
3722955.26	9.32374	(16122117)		
410998.80	3722955.26	9.31828	(16122117)	411018.80
3722955.26	9.30982	(16122117)		
411038.80	3722955.26	9.29437	(16122117)	411058.80
3722955.26	9.27137	(16122117)		
411078.80	3722955.26	9.24384	(16122117)	411098.80
3722955.26	9.21144	(16122117)		
411118.80	3722955.26	9.17279	(16122117)	411138.80
3722955.26	9.12859	(16122117)		
411158.80	3722955.26	9.07897	(16122117)	411178.80
3722955.26	9.02355	(16122117)		
411198.80	3722955.26	8.96271	(16122117)	411218.80
3722955.26	8.89752	(16122117)		
410498.80	3722975.26	7.92655	(16122117)	410518.80
3722975.26	8.03181	(16122117)		
410538.80	3722975.26	8.13703	(16122117)	410558.80
3722975.26	8.23886	(16122117)		
410578.80	3722975.26	8.33583	(16122117)	410598.80
3722975.26	8.42865	(16122117)		
410618.80	3722975.26	8.52096	(16122117)	410638.80
3722975.26	8.60892	(16122117)		
410658.80	3722975.26	8.69119	(16122117)	410678.80
3722975.26	8.76887	(16122117)		
410698.80	3722975.26	8.84539	(16122117)	410718.80
3722975.26	8.91656	(16122117)		
410738.80	3722975.26	8.98247	(16122117)	410758.80
3722975.26	9.04271	(16122117)		
410778.80	3722975.26	9.09883	(16122117)	410798.80
3722975.26	9.14835	(16122117)		
410818.80	3722975.26	9.19442	(16122117)	410838.80
3722975.26	9.23572	(16122117)		
410858.80	3722975.26	9.27167	(16122117)	410878.80
3722975.26	9.30254	(16122117)		
410898.80	3722975.26	9.32815	(16122117)	410918.80
3722975.26	9.34802	(16122117)		
410938.80	3722975.26	9.36200	(16122117)	410958.80
3722975.26	9.37066	(16122117)		
410978.80	3722975.26	9.37355	(16122117)	410998.80
3722975.26	9.37077	(16122117)		
411018.80	3722975.26	9.36433	(16122117)	411038.80
3722975.26	9.35075	(16122117)		
411058.80	3722975.26	9.32966	(16122117)	411078.80
3722975.26	9.30369	(16122117)		
411098.80	3722975.26	9.27244	(16122117)	411118.80
3722975.26	9.23547	(16122117)		

3727884.09	138.77255	(12012417)		
413394.78	3727884.09	135.70714	(12012417)	413414.78
3727884.09	132.11637	(12012417)		
413434.78	3727884.09	129.12456	(12012417)	413454.78
3727884.09	125.93626	(12012417)		
413474.78	3727884.09	122.71922	(12012417)	413494.78
3727884.09	119.59580	(12012417)		
413514.78	3727884.09	116.58799	(12012417)	413534.78
3727884.09	113.39814	(12012417)		
413554.78	3727884.09	110.42876	(12012417)	413574.78
3727884.09	107.07647	(12012417)		
413594.78	3727884.09	104.11155	(12012417)	413614.78
3727884.09	100.99055	(12012417)		
413634.78	3727884.09	98.13525	(12012417)	413654.78
3727884.09	95.12353	(12012417)		
413674.78	3727884.09	92.64629	(15121517)	413694.78
3727884.09	91.36520	(15121517)		
413714.78	3727884.09	90.10165	(15121517)	413734.78
3727884.09	88.87534	(15121517)		
413054.78	3727904.09	230.12610	(13012517)	413074.78
3727904.09	221.47539	(13012517)		
413094.78	3727904.09	213.56478	(13012517)	413114.78
3727904.09	206.50727	(13012517)		
413134.78	3727904.09	199.23961	(13012517)	413154.78
3727904.09	191.57412	(13012517)		
413174.78	3727904.09	183.75885	(13012517)	413194.78
3727904.09	176.55554	(13012517)		
413214.78	3727904.09	169.26733	(13012517)	413234.78
3727904.09	165.22131	(14110517)		
413254.78	3727904.09	161.14238	(14110517)	413274.78
3727904.09	157.29378	(14110517)		
413294.78	3727904.09	153.96502	(14110517)	413314.78
3727904.09	150.46119	(14110517)		
413334.78	3727904.09	146.44465	(12012417)	413354.78
3727904.09	142.91282	(12012417)		
413374.78	3727904.09	140.13410	(12012417)	413394.78
3727904.09	136.81413	(12012417)		
413414.78	3727904.09	132.98103	(12012417)	413434.78
3727904.09	129.72801	(12012417)		
413454.78	3727904.09	126.28510	(12012417)	413474.78
3727904.09	122.84479	(12012417)		
413494.78	3727904.09	119.49653	(12012417)	413514.78
3727904.09	116.29259	(12012417)		
413534.78	3727904.09	112.89472	(12012417)	413554.78
3727904.09	109.49350	(12012417)		
413574.78	3727904.09	106.23753	(12012417)	413594.78
3727904.09	103.12302	(12012417)		
413614.78	3727904.09	99.85727	(12012417)	413634.78
3727904.09	97.48551	(15121517)		
413654.78	3727904.09	96.04839	(15121517)	413674.78

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3727904.09      94.69880 (15121517)
                413694.78 3727904.09      93.28631 (15121517)      413714.78
3727904.09      91.87268 (15121517)
                413734.78 3727904.09      90.50982 (15121517)      413054.78
3727924.09      236.24934 (13012517)
                413074.78 3727924.09      227.79602 (13012517)      413094.78
3727924.09      218.85947 (13012517)
                413114.78 3727924.09      211.09849 (13012517)      413134.78
3727924.09      203.14355 (13012517)
                413154.78 3727924.09      194.98339 (13012517)      413174.78
3727924.09      186.46319 (13012517)
                413194.78 3727924.09      178.21750 (13012517)      413214.78
3727924.09      171.62071 (14110517)
                413234.78 3727924.09      167.70433 (14110517)      413254.78
3727924.09      163.43266 (14110517)
                413274.78 3727924.09      158.66779 (14110517)      413294.78
3727924.09      155.02723 (14110517)
                413314.78 3727924.09      151.28679 (12012417)      413334.78
3727924.09      147.94956 (12012417)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
                ***      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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                *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
                INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
                L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
                L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
                L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

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                X-COORD (M) Y-COORD (M)      CONC      (YYMMDDHH)      X-COORD (M)
Y-COORD (M)      CONC      (YYMMDDHH)
-----
                413354.78 3727924.09      144.17936 (12012417)      413374.78
3727924.09      140.96441 (12012417)

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413394.78	3727924.09	137.54915	(12012417)	413414.78
3727924.09	133.43729	(12012417)		
413434.78	3727924.09	129.95747	(12012417)	413454.78
3727924.09	126.28497	(12012417)		
413474.78	3727924.09	122.62444	(12012417)	413494.78
3727924.09	119.10253	(12012417)		
413514.78	3727924.09	115.67940	(12012417)	413534.78
3727924.09	112.10907	(12012417)		
413554.78	3727924.09	108.53297	(12012417)	413574.78
3727924.09	105.12534	(12012417)		
413594.78	3727924.09	102.82637	(15121517)	413614.78
3727924.09	101.17415	(15121517)		
413634.78	3727924.09	99.53110	(15121517)	413654.78
3727924.09	97.95983	(15121517)		
413674.78	3727924.09	96.47342	(15121517)	413694.78
3727924.09	94.93050	(15121517)		
413714.78	3727924.09	93.39985	(15121517)	413734.78
3727924.09	91.91365	(15121517)		
413054.78	3727944.09	238.87866	(13012517)	413074.78
3727944.09	234.19621	(13012517)		
413094.78	3727944.09	224.70319	(13012517)	413114.78
3727944.09	215.48393	(13012517)		
413134.78	3727944.09	206.97516	(13012517)	413154.78
3727944.09	198.01413	(13012517)		
413174.78	3727944.09	188.92178	(13012517)	413194.78
3727944.09	179.64928	(13012517)		
413214.78	3727944.09	174.01447	(14110517)	413234.78
3727944.09	169.69333	(14110517)		
413254.78	3727944.09	164.90283	(14110517)	413274.78
3727944.09	159.81337	(14110517)		
413294.78	3727944.09	155.84188	(12012417)	413314.78
3727944.09	152.56239	(12012417)		
413334.78	3727944.09	148.91927	(12012417)	413354.78
3727944.09	145.07110	(12012417)		
413374.78	3727944.09	141.66274	(12012417)	413394.78
3727944.09	137.91592	(12012417)		
413414.78	3727944.09	133.56801	(12012417)	413434.78
3727944.09	129.84081	(12012417)		
413454.78	3727944.09	125.94985	(12012417)	413474.78
3727944.09	122.08634	(12012417)		
413494.78	3727944.09	118.35747	(12012417)	413514.78
3727944.09	114.75004	(12012417)		
413534.78	3727944.09	111.01371	(12012417)	413554.78
3727944.09	108.32378	(15121517)		
413574.78	3727944.09	106.52981	(15121517)	413594.78
3727944.09	104.84358	(15121517)		
413614.78	3727944.09	103.04718	(15121517)	413634.78
3727944.09	101.26458	(15121517)		
413654.78	3727944.09	99.57524	(15121517)	413674.78
3727944.09	97.96810	(15121517)		

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413554.78	3727964.09	110.32275	(15121517)	413574.78
3727964.09	108.36883	(15121517)		
413594.78	3727964.09	106.54208	(15121517)	413614.78
3727964.09	104.61595	(15121517)		
413634.78	3727964.09	102.71885	(15121517)	413654.78
3727964.09	100.90686	(15121517)		
413674.78	3727964.09	99.17328	(15121517)	413694.78
3727964.09	97.38295	(15121517)		
413714.78	3727964.09	95.61030	(15121517)	413734.78
3727964.09	93.91863	(15121517)		
413054.78	3727984.09	252.81483	(13012517)	413074.78
3727984.09	243.33015	(13012517)		
413094.78	3727984.09	236.30234	(13012517)	413114.78
3727984.09	224.61933	(13012517)		
413134.78	3727984.09	213.19489	(13012517)	413154.78
3727984.09	202.81046	(13012517)		
413174.78	3727984.09	192.13965	(13012517)	413194.78
3727984.09	183.64648	(14110517)		
413214.78	3727984.09	177.13865	(14110517)	413234.78
3727984.09	171.73898	(14110517)		
413254.78	3727984.09	167.49173	(12012417)	413274.78
3727984.09	163.45118	(12012417)		
413294.78	3727984.09	160.04095	(12012417)	413314.78
3727984.09	155.60712	(12012417)		
413334.78	3727984.09	150.98813	(12012417)	413354.78
3727984.09	146.42411	(12012417)		
413374.78	3727984.09	141.89512	(12012417)	413394.78
3727984.09	137.40798	(12012417)		
413414.78	3727984.09	132.74481	(12012417)	413434.78
3727984.09	128.55722	(12012417)		
413454.78	3727984.09	124.31709	(12012417)	413474.78
3727984.09	121.00293	(15121517)		
413494.78	3727984.09	118.70324	(15121517)	413514.78
3727984.09	116.48290	(15121517)		
413534.78	3727984.09	114.26998	(15121517)	413554.78
3727984.09	112.09664	(15121517)		
413574.78	3727984.09	109.99084	(15121517)	413594.78
3727984.09	107.94774	(15121517)		
413614.78	3727984.09	105.87759	(15121517)	413634.78
3727984.09	103.84645	(15121517)		
413654.78	3727984.09	101.93405	(15121517)	413674.78
3727984.09	100.08077	(15121517)		
413694.78	3727984.09	98.17635	(15121517)	413714.78

3727984.09	96.29060	(15121517)		
413734.78	3727984.09	94.49498	(15121517)	413114.78
3728004.09	228.51540	(13012517)		
413134.78	3728004.09	215.60269	(13012517)	413154.78
3728004.09	204.08344	(13012517)		
413174.78	3728004.09	192.78530	(13012517)	413194.78
3728004.09	185.52114	(14110517)		
413214.78	3728004.09	178.70116	(14110517)	413234.78
3728004.09	173.52845	(12012417)		
413254.78	3728004.09	169.25478	(12012417)	413274.78
3728004.09	164.90313	(12012417)		
413294.78	3728004.09	160.86481	(12012417)	413314.78
3728004.09	155.87809	(12012417)		
413334.78	3728004.09	150.98741	(12012417)	413354.78
3728004.09	146.11871	(12012417)		
413374.78	3728004.09	141.31969	(12012417)	413394.78
3728004.09	136.60695	(12012417)		
413414.78	3728004.09	131.84212	(12012417)	413434.78
3728004.09	128.02797	(15121517)		
413454.78	3728004.09	125.40379	(15121517)	413474.78
3728004.09	122.83832	(15121517)		
413494.78	3728004.09	120.39386	(15121517)	413514.78
3728004.09	118.07115	(15121517)		
413534.78	3728004.09	115.69685	(15121517)	413554.78
3728004.09	113.35438	(15121517)		
413574.78	3728004.09	111.09427	(15121517)	413594.78
3728004.09	109.00068	(15121517)		
413614.78	3728004.09	106.82208	(15121517)	413634.78
3728004.09	104.67905	(15121517)		
413654.78	3728004.09	102.65743	(15121517)	413674.78
3728004.09	100.69332	(15121517)		
413694.78	3728004.09	98.70602	(15121517)	413714.78
3728004.09	96.87380	(15103017)		
413734.78	3728004.09	95.22302	(15103017)	413114.78
3728024.09	231.42505	(13012517)		
413134.78	3728024.09	217.54656	(13012517)	413154.78
3728024.09	204.47929	(13012517)		

```

^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***                               05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***                               16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```

      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
      L0000006 , L0000007 , L0000008 , L0000009 , L0000010

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, L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413174.78	3728024.09	193.52725	(14110517)	413194.78
3728024.09	186.76932	(12012417)		
413214.78	3728024.09	180.93063	(12012417)	413234.78
3728024.09	174.86180	(12012417)		
413254.78	3728024.09	170.21163	(12012417)	413274.78
3728024.09	165.61045	(12012417)		
413294.78	3728024.09	161.09600	(12012417)	413314.78
3728024.09	155.86458	(12012417)		
413334.78	3728024.09	150.66590	(12012417)	413354.78
3728024.09	145.53947	(12012417)		
413374.78	3728024.09	140.50186	(12012417)	413394.78
3728024.09	135.81821	(15121517)		
413414.78	3728024.09	132.80201	(15121517)	413434.78
3728024.09	129.89680	(15121517)		
413454.78	3728024.09	127.07792	(15121517)	413474.78
3728024.09	124.34923	(15121517)		
413494.78	3728024.09	121.77911	(15121517)	413514.78
3728024.09	119.32677	(15121517)		
413534.78	3728024.09	116.80916	(15121517)	413554.78
3728024.09	114.33122	(15121517)		
413574.78	3728024.09	111.94186	(15121517)	413594.78
3728024.09	109.75088	(15121517)		
413614.78	3728024.09	107.46916	(15121517)	413634.78
3728024.09	105.22096	(15121517)		
413654.78	3728024.09	103.33530	(15103017)	413674.78
3728024.09	101.54925	(15103017)		
413694.78	3728024.09	99.73427	(15103017)	413714.78
3728024.09	97.93973	(15103017)		
413734.78	3728024.09	96.19401	(15103017)	413114.78
3728044.09	232.68798	(13012517)		
413134.78	3728044.09	218.62324	(13012517)	413154.78
3728044.09	204.47442	(13012517)		
413174.78	3728044.09	194.68773	(12012417)	413194.78
3728044.09	188.51086	(12012417)		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413514.78	3728064.09	121.17250	(16110917)	413534.78
3728064.09	118.53720	(16110917)		
413554.78	3728064.09	116.01348	(15103017)	413574.78
3728064.09	113.70711	(15103017)		
413594.78	3728064.09	111.56609	(15103017)	413614.78
3728064.09	109.34752	(15103017)		
413634.78	3728064.09	107.23487	(15103017)	413654.78
3728064.09	105.19561	(15103017)		
413674.78	3728064.09	103.18223	(15103017)	413694.78
3728064.09	101.19523	(15103017)		
413714.78	3728064.09	99.24842	(15103017)	413734.78
3728064.09	97.34638	(15103017)		
413134.78	3728084.09	217.02942	(13012517)	413154.78
3728084.09	205.17253	(12012417)		
413174.78	3728084.09	196.49573	(12012417)	413194.78
3728084.09	189.49728	(12012417)		
413214.78	3728084.09	183.16604	(12012417)	413234.78
3728084.09	176.08076	(12012417)		
413254.78	3728084.09	170.21732	(12012417)	413274.78
3728084.09	165.18878	(16110917)		
413294.78	3728084.09	161.13641	(16110917)	413314.78
3728084.09	156.70579	(16110917)		
413334.78	3728084.09	152.45687	(16110917)	413354.78
3728084.09	148.42278	(16110917)		
413374.78	3728084.09	144.57477	(16110917)	413394.78

3728084.09	140.92617	(16110917)		
413414.78	3728084.09	137.34712	(16110917)	413434.78
3728084.09	134.13077	(16110917)		
413454.78	3728084.09	130.96202	(16110917)	413474.78
3728084.09	127.89609	(16110917)		
413494.78	3728084.09	125.00779	(16110917)	413514.78
3728084.09	122.27725	(16110917)		
413534.78	3728084.09	119.54496	(16110917)	413554.78
3728084.09	116.90410	(15103017)		
413574.78	3728084.09	114.49792	(15103017)	413594.78
3728084.09	112.25585	(15103017)		
413614.78	3728084.09	110.02890	(15103017)	413634.78
3728084.09	107.81444	(15103017)		
413654.78	3728084.09	105.62750	(15103017)	413674.78
3728084.09	103.52045	(15103017)		
413694.78	3728084.09	101.44295	(15103017)	413714.78
3728084.09	99.40062	(15103017)		
413734.78	3728084.09	97.43869	(15103017)	413134.78
3728104.09	211.63831	(13012517)		
413154.78	3728104.09	205.48337	(12012417)	413174.78
3728104.09	197.01027	(12012417)		
413194.78	3728104.09	188.87269	(12012417)	413214.78
3728104.09	182.77430	(16110917)		
413234.78	3728104.09	176.82395	(16110917)	413254.78
3728104.09	172.15132	(16110917)		
413274.78	3728104.09	167.58333	(16110917)	413294.78
3728104.09	163.28576	(16110917)		
413314.78	3728104.09	158.68570	(16110917)	413334.78
3728104.09	154.30165	(16110917)		
413354.78	3728104.09	150.12973	(16110917)	413374.78
3728104.09	146.13861	(16110917)		
413394.78	3728104.09	142.34202	(16110917)	413414.78
3728104.09	138.66081	(16110917)		
413434.78	3728104.09	135.33668	(16110917)	413454.78
3728104.09	132.05844	(16110917)		
413474.78	3728104.09	128.88946	(16110917)	413494.78
3728104.09	125.89092	(16110917)		
413514.78	3728104.09	123.05443	(16110917)	413534.78
3728104.09	120.22593	(16110917)		
413554.78	3728104.09	117.47911	(16110917)	413574.78
3728104.09	114.99082	(15103017)		
413594.78	3728104.09	112.61990	(15103017)	413614.78
3728104.09	110.32572	(15103017)		
413634.78	3728104.09	107.98582	(15103017)	413654.78
3728104.09	105.69212	(15103017)		
413674.78	3728104.09	103.55623	(15103017)	413694.78
3728104.09	101.40299	(15103017)		
413714.78	3728104.09	99.28538	(15103017)	413734.78
3728104.09	97.28814	(15103017)		
413174.78	3728124.09	199.04094	(16110917)	413194.78

3728124.09 191.30745 (16110917)
 413214.78 3728124.09 184.79818 (16110917) 413234.78
 3728124.09 179.47377 (16110917)
 413254.78 3728124.09 174.31539 (16110917) 413274.78
 3728124.09 169.67364 (16110917)
 *** AERMOD - VERSION 19191 *** ** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** **
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413294.78	3728124.09	164.98844	(16110917)	413314.78
3728124.09	160.23440	(16110917)		
413334.78	3728124.09	155.68032	(16110917)	413354.78
3728124.09	151.37033	(16110917)		
413374.78	3728124.09	147.27140	(16110917)	413394.78
3728124.09	143.39184	(16110917)		
413414.78	3728124.09	139.63119	(16110917)	413434.78
3728124.09	136.19010	(16110917)		
413454.78	3728124.09	132.81131	(16110917)	413474.78
3728124.09	129.55181	(16110917)		
413494.78	3728124.09	126.43240	(16110917)	413514.78
3728124.09	123.50584	(16110917)		
413534.78	3728124.09	120.59163	(16110917)	413554.78
3728124.09	117.76526	(16110917)		
413574.78	3728124.09	115.18279	(15103017)	413594.78
3728124.09	112.73574	(15103017)		

413614.78	3728124.09	110.28203	(15103017)	413634.78
3728124.09	107.83275	(15103017)		
413654.78	3728124.09	105.53810	(15103017)	413674.78
3728124.09	103.32428	(15103017)		
413694.78	3728124.09	101.10076	(15103017)	413714.78
3728124.09	98.91745	(15103017)		
413734.78	3728124.09	96.84206	(15103017)	413174.78
3728144.09	201.23524	(16110917)		
413194.78	3728144.09	193.73729	(16110917)	413214.78
3728144.09	186.68757	(16110917)		
413234.78	3728144.09	181.30136	(16110917)	413254.78
3728144.09	175.94354	(16110917)		
413274.78	3728144.09	171.40407	(16110917)	413294.78
3728144.09	166.25154	(16110917)		
413314.78	3728144.09	161.36043	(16110917)	413334.78
3728144.09	156.71043	(16110917)		
413354.78	3728144.09	152.28496	(16110917)	413374.78
3728144.09	148.11433	(16110917)		
413394.78	3728144.09	144.14006	(16110917)	413414.78
3728144.09	140.24549	(16110917)		
413434.78	3728144.09	136.70544	(16110917)	413454.78
3728144.09	133.23307	(16110917)		
413474.78	3728144.09	129.87986	(16110917)	413494.78
3728144.09	126.66757	(16110917)		
413514.78	3728144.09	123.63876	(16110917)	413534.78
3728144.09	120.63428	(16110917)		
413554.78	3728144.09	117.72106	(16110917)	413574.78
3728144.09	115.05459	(15103017)		
413594.78	3728144.09	112.47608	(15103017)	413614.78
3728144.09	109.89711	(15103017)		
413634.78	3728144.09	107.41926	(15103017)	413654.78
3728144.09	105.07629	(15103017)		
413674.78	3728144.09	102.78841	(15103017)	413694.78
3728144.09	100.50571	(15103017)		
413714.78	3728144.09	98.25650	(15103017)	413734.78
3728144.09	96.10889	(15103017)		
413174.78	3728164.09	200.62657	(16110917)	413194.78
3728164.09	195.15538	(16110917)		
413214.78	3728164.09	188.08939	(16110917)	413234.78
3728164.09	182.09198	(16110917)		
413254.78	3728164.09	177.02494	(16110917)	413274.78
3728164.09	172.40067	(16110917)		
413294.78	3728164.09	167.09422	(16110917)	413314.78
3728164.09	162.03600	(16110917)		
413334.78	3728164.09	157.36770	(16110917)	413354.78
3728164.09	152.87677	(16110917)		
413374.78	3728164.09	148.59410	(16110917)	413394.78
3728164.09	144.52248	(16110917)		
413414.78	3728164.09	140.52946	(16110917)	413434.78
3728164.09	136.88643	(16110917)		

413454.78	3728164.09	133.32653	(16110917)	413474.78
3728164.09	129.88288	(16110917)		
413494.78	3728164.09	126.56819	(16110917)	413514.78
3728164.09	123.45083	(16110917)		
413534.78	3728164.09	120.38187	(16110917)	413554.78
3728164.09	117.41120	(16110917)		
413574.78	3728164.09	114.56886	(16110917)	413594.78
3728164.09	111.85404	(15103017)		
413614.78	3728164.09	109.23852	(15103017)	413634.78
3728164.09	106.71792	(15103017)		
413654.78	3728164.09	104.29963	(15103017)	413674.78
3728164.09	101.93801	(15103017)		
413694.78	3728164.09	99.59677	(15103017)	413714.78
3728164.09	97.30272	(15103017)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413734.78	3728164.09	95.08003	(15103017)	413174.78
3728184.09	195.43281	(16110917)		
413194.78	3728184.09	195.83840	(16110917)	413214.78
3728184.09	189.34939	(16110917)		
413234.78	3728184.09	182.77932	(16110917)	413254.78
3728184.09	177.72515	(16110917)		
413274.78	3728184.09	172.93447	(16110917)	413294.78

3728184.09	167.55381	(16110917)		
413314.78	3728184.09	162.23939	(16110917)	413334.78
3728184.09	157.61994	(16110917)		
413354.78	3728184.09	153.09601	(16110917)	413374.78
3728184.09	148.71924	(16110917)		
413394.78	3728184.09	144.53946	(16110917)	413414.78
3728184.09	140.49300	(16110917)		
413434.78	3728184.09	136.74500	(16110917)	413454.78
3728184.09	133.08992	(16110917)		
413474.78	3728184.09	129.55849	(16110917)	413494.78
3728184.09	126.15485	(16110917)		
413514.78	3728184.09	122.91923	(16110917)	413534.78
3728184.09	119.82314	(16110917)		
413554.78	3728184.09	116.77344	(16110917)	413574.78
3728184.09	113.79381	(16110917)		
413594.78	3728184.09	110.93249	(15103017)	413614.78
3728184.09	108.29762	(15103017)		
413634.78	3728184.09	105.72293	(15103017)	413654.78
3728184.09	103.21031	(15103017)		
413674.78	3728184.09	101.05982	(15111017)	413694.78
3728184.09	99.10731	(15111017)		
413714.78	3728184.09	97.19729	(15111017)	413734.78
3728184.09	95.35844	(15111017)		
413174.78	3728204.09	196.29403	(16110917)	413194.78
3728204.09	193.51409	(16110917)		
413214.78	3728204.09	190.16589	(16110917)	413234.78
3728204.09	183.75770	(16110917)		
413254.78	3728204.09	177.90321	(16110917)	413274.78
3728204.09	173.04808	(16110917)		
413294.78	3728204.09	167.31792	(16110917)	413314.78
3728204.09	162.41751	(16110917)		
413334.78	3728204.09	157.61470	(16110917)	413354.78
3728204.09	152.94578	(16110917)		
413374.78	3728204.09	148.49439	(16110917)	413394.78
3728204.09	144.24404	(16110917)		
413414.78	3728204.09	140.11947	(16110917)	413434.78
3728204.09	136.27314	(16110917)		
413454.78	3728204.09	132.52910	(16110917)	413474.78
3728204.09	128.91247	(16110917)		
413494.78	3728204.09	125.44907	(16110917)	413514.78
3728204.09	122.10918	(16110917)		
413534.78	3728204.09	118.91511	(16110917)	413554.78
3728204.09	115.76358	(16110917)		
413574.78	3728204.09	112.83420	(16011117)	413594.78
3728204.09	110.45008	(16011117)		
413614.78	3728204.09	108.15800	(16011117)	413634.78
3728204.09	105.92422	(16011117)		
413654.78	3728204.09	103.76827	(16011117)	413674.78
3728204.09	101.70693	(16011117)		
413694.78	3728204.09	99.68729	(16011117)	413714.78

3728204.09	97.73003	(16011117)			
413734.78	3728204.09	95.84950	(16011117)		413234.78
3728224.09	184.37255	(16110917)			
413254.78	3728224.09	177.83565	(16110917)		413274.78
3728224.09	172.22807	(16110917)			
413294.78	3728224.09	167.16829	(16110917)		413314.78
3728224.09	162.24798	(16110917)			
413334.78	3728224.09	157.27583	(16110917)		413354.78
3728224.09	152.51033	(16110917)			
413374.78	3728224.09	147.97795	(16110917)		413394.78
3728224.09	143.64125	(16110917)			
413414.78	3728224.09	139.41419	(16110917)		413434.78
3728224.09	135.48139	(16110917)			
413454.78	3728224.09	131.64434	(16110917)		413474.78
3728224.09	127.94781	(16110917)			
413494.78	3728224.09	124.39972	(16011117)		413514.78
3728224.09	121.59454	(16011117)			
413534.78	3728224.09	118.85817	(16011117)		413554.78
3728224.09	116.18710	(16011117)			
413574.78	3728224.09	113.65764	(16011117)		413594.78
3728224.09	111.25587	(16011117)			
413614.78	3728224.09	108.94359	(16011117)		413634.78
3728224.09	106.67908	(16011117)			

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

413654.78	3728224.09	104.48010	(16011117)	413674.78
3728224.09	102.38912	(16011117)		
413694.78	3728224.09	100.35065	(16011117)	413714.78
3728224.09	98.37126	(16011117)		
413734.78	3728224.09	96.45195	(16011117)	413234.78
3728244.09	184.05291	(16110917)		
413254.78	3728244.09	178.18630	(16110917)	413274.78
3728244.09	171.99855	(16110917)		
413294.78	3728244.09	166.79366	(16110917)	413314.78
3728244.09	161.71682	(16110917)		
413334.78	3728244.09	156.61990	(16110917)	413354.78
3728244.09	151.77694	(16110917)		
413374.78	3728244.09	147.13801	(16110917)	413394.78
3728244.09	142.69199	(16110917)		
413414.78	3728244.09	138.37512	(16110917)	413434.78
3728244.09	134.36311	(16011117)		
413454.78	3728244.09	131.12717	(16011117)	413474.78
3728244.09	128.02177	(16011117)		
413494.78	3728244.09	125.04867	(16011117)	413514.78
3728244.09	122.17918	(16011117)		
413534.78	3728244.09	119.38195	(16011117)	413554.78
3728244.09	116.72070	(16011117)		
413574.78	3728244.09	114.20190	(16011117)	413594.78
3728244.09	111.76306	(16011117)		
413614.78	3728244.09	109.41451	(16011117)	413634.78
3728244.09	107.11187	(16011117)		
413654.78	3728244.09	104.90103	(16011117)	413674.78
3728244.09	102.78478	(16011117)		
413694.78	3728244.09	100.71602	(16011117)	413714.78
3728244.09	98.69757	(16011117)		
413734.78	3728244.09	96.75504	(16011117)	413234.78
3728264.09	180.31830	(16110917)		
413254.78	3728264.09	177.89197	(16110917)	413274.78
3728264.09	171.82315	(16110917)		
413294.78	3728264.09	165.93208	(16110917)	413314.78
3728264.09	160.79026	(16110917)		
413334.78	3728264.09	155.79683	(12102617)	413354.78
3728264.09	151.11632	(12102617)		
413374.78	3728264.09	146.67136	(12102617)	413394.78
3728264.09	142.43951	(12102617)		
413414.78	3728264.09	138.36622	(12102617)	413434.78
3728264.09	134.75121	(13122317)		
413454.78	3728264.09	131.47471	(13122317)	413474.78
3728264.09	128.38199	(13122317)		
413494.78	3728264.09	125.38630	(13122317)	413514.78
3728264.09	122.46052	(13122317)		
413534.78	3728264.09	119.65517	(13122317)	413554.78
3728264.09	117.00726	(13122317)		

413574.78	3728264.09	114.45355	(13122317)	413594.78
3728264.09	112.00046	(13122317)		
413614.78	3728264.09	109.59116	(13122317)	413634.78
3728264.09	107.34888	(15011417)		
413654.78	3728264.09	105.21321	(15011417)	413674.78
3728264.09	103.14738	(15011417)		
413694.78	3728264.09	101.12079	(15011417)	413714.78
3728264.09	99.14709	(15011417)		
413734.78	3728264.09	97.25586	(15011417)	413234.78
3728284.09	179.40695	(12102617)		
413254.78	3728284.09	175.61120	(12102617)	413274.78
3728284.09	172.40166	(12102617)		
413294.78	3728284.09	166.87394	(12102617)	413314.78
3728284.09	161.55308	(12102617)		
413334.78	3728284.09	156.74871	(12102617)	413354.78
3728284.09	152.18065	(12102617)		
413374.78	3728284.09	147.77186	(12102617)	413394.78
3728284.09	143.59768	(12102617)		
413414.78	3728284.09	139.63020	(12102617)	413434.78
3728284.09	135.87577	(12102617)		
413454.78	3728284.09	132.28897	(12102617)	413474.78
3728284.09	129.08621	(13122317)		
413494.78	3728284.09	126.06686	(13122317)	413514.78
3728284.09	123.15551	(13122317)		
413534.78	3728284.09	120.37750	(13122317)	413554.78
3728284.09	117.71106	(13122317)		
413574.78	3728284.09	115.16049	(13122317)	413594.78
3728284.09	112.67683	(13122317)		
413614.78	3728284.09	110.25877	(13122317)	413634.78
3728284.09	107.95775	(13122317)		
413654.78	3728284.09	105.73281	(13122317)	413674.78
3728284.09	103.60062	(15011417)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
3728284.09	413694.78	3728284.09	101.57085	(15011417)	413714.78
			99.59566	(15011417)	
3728304.09	413734.78	3728284.09	97.68768	(15011417)	413254.78
			174.33072	(12102617)	
3728304.09	413274.78	3728304.09	169.96699	(12102617)	413294.78
			167.47208	(12102617)	
3728304.09	413314.78	3728304.09	162.35418	(12102617)	413334.78
			157.51164	(12102617)	
3728304.09	413354.78	3728304.09	152.93105	(12102617)	413374.78
			148.59685	(12102617)	
3728304.09	413394.78	3728304.09	144.47116	(12102617)	413414.78
			140.55012	(12102617)	
3728304.09	413434.78	3728304.09	136.83014	(12102617)	413454.78
			133.28146	(12102617)	
3728304.09	413474.78	3728304.09	129.89950	(12102617)	413494.78
			126.64610	(12102617)	
3728304.09	413514.78	3728304.09	123.56836	(13122317)	413534.78
			120.79106	(13122317)	
3728304.09	413554.78	3728304.09	118.11936	(13122317)	413574.78
			115.55643	(13122317)	
3728304.09	413594.78	3728304.09	113.06397	(13122317)	413614.78
			110.66081	(13122317)	
3728304.09	413634.78	3728304.09	108.35555	(13122317)	413654.78
			106.12300	(13122317)	
3728304.09	413674.78	3728304.09	103.96718	(13122317)	413694.78
			101.87587	(13122317)	
3728304.09	413714.78	3728304.09	99.84957	(13122317)	413734.78
			97.88894	(13122317)	
3728324.09	413254.78	3728324.09	178.48524	(12102617)	413274.78
			170.06886	(12102617)	
3728324.09	413294.78	3728324.09	163.49085	(12102617)	413314.78
			162.37036	(12102617)	
3728324.09	413334.78	3728324.09	157.91729	(12102617)	413354.78
			153.38021	(12102617)	
3728324.09	413374.78	3728324.09	149.10355	(12102617)	413394.78
			145.03762	(12102617)	
3728324.09	413414.78	3728324.09	141.17476	(12102617)	413434.78
			137.49024	(12102617)	
3728324.09	413454.78	3728324.09	133.97261	(12102617)	413474.78

3728324.09	130.60448	(12102617)		
413494.78	3728324.09	127.38506	(12102617)	413514.78
3728324.09	124.30594	(12102617)		
413534.78	3728324.09	121.34447	(12102617)	413554.78
3728324.09	118.50007	(12102617)		
413574.78	3728324.09	115.76445	(12102617)	413594.78
3728324.09	113.16034	(13122317)		
413614.78	3728324.09	110.76306	(13122317)	413634.78
3728324.09	108.44784	(13122317)		
413654.78	3728324.09	106.20856	(13122317)	413674.78
3728324.09	104.04219	(13122317)		
413694.78	3728324.09	101.94854	(13122317)	413714.78
3728324.09	99.91876	(13122317)		
413734.78	3728324.09	97.95506	(13122317)	413254.78
3728344.09	178.68150	(12102617)		
413274.78	3728344.09	172.99813	(12102617)	413294.78
3728344.09	166.63935	(12102617)		
413314.78	3728344.09	158.89987	(12102617)	413334.78
3728344.09	155.43410	(12102617)		
413354.78	3728344.09	153.35506	(12102617)	413374.78
3728344.09	149.37440	(12102617)		
413394.78	3728344.09	145.33124	(12102617)	413414.78
3728344.09	141.49333	(12102617)		
413434.78	3728344.09	137.84372	(12102617)	413454.78
3728344.09	134.36119	(12102617)		
413474.78	3728344.09	131.02376	(12102617)	413494.78
3728344.09	127.84653	(12102617)		
413514.78	3728344.09	124.76378	(12102617)	413534.78
3728344.09	121.81846	(12102617)		
413554.78	3728344.09	118.99510	(12102617)	413574.78
3728344.09	116.28220	(12102617)		
413594.78	3728344.09	113.66631	(12102617)	413614.78
3728344.09	111.15904	(12102617)		
413634.78	3728344.09	108.73652	(12102617)	413654.78
3728344.09	106.39667	(12102617)		
413674.78	3728344.09	104.13659	(12102617)	413694.78
3728344.09	101.95850	(12102617)		
413714.78	3728344.09	99.84537	(12102617)	413734.78
3728344.09	97.46855	(12102617)		
413254.78	3728364.09	178.46964	(12102617)	413274.78
3728364.09	172.79242	(12102617)		

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                05/26/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413294.78	3728364.09	167.19691	(12102617)	413314.78
3728364.09	162.42632	(12102617)		
413334.78	3728364.09	156.87525	(12102617)	413354.78
3728364.09	150.78635	(12102617)		
413374.78	3728364.09	146.19331	(12102617)	413394.78
3728364.09	143.16470	(12102617)		
413414.78	3728364.09	140.36538	(12102617)	413434.78
3728364.09	137.21979	(12102617)		
413454.78	3728364.09	133.84406	(12102617)	413474.78
3728364.09	130.86167	(12102617)		
413494.78	3728364.09	127.79991	(12102617)	413514.78
3728364.09	124.17761	(12102617)		
413534.78	3728364.09	121.22729	(12102617)	413554.78
3728364.09	118.36796	(12102617)		
413574.78	3728364.09	115.60915	(12102617)	413594.78
3728364.09	112.95991	(12102617)		
413614.78	3728364.09	110.40375	(12102617)	413634.78
3728364.09	107.95511	(12102617)		
413654.78	3728364.09	105.57891	(12102617)	413674.78
3728364.09	103.16871	(12102617)		
413694.78	3728364.09	100.83231	(12102617)	413714.78
3728364.09	98.92098	(12102617)		
413734.78	3728364.09	97.57082	(16110217)	413254.78
3728384.09	178.29202	(12102617)		
413274.78	3728384.09	172.56758	(12102617)	413294.78
3728384.09	166.93948	(12102617)		
413314.78	3728384.09	162.18375	(12102617)	413334.78
3728384.09	157.76734	(12102617)		
413354.78	3728384.09	153.31398	(12102617)	413374.78
3728384.09	148.88940	(12102617)		

413394.78	3728384.09	144.51218	(12102617)	413414.78
3728384.09	140.39007	(12102617)		
413434.78	3728384.09	136.63622	(12102617)	413454.78
3728384.09	133.25478	(12102617)		
413474.78	3728384.09	130.64659	(12102617)	413494.78
3728384.09	127.60117	(12102617)		
413514.78	3728384.09	124.10531	(12102617)	413534.78
3728384.09	121.31695	(12102617)		
413554.78	3728384.09	118.65342	(12102617)	413574.78
3728384.09	116.08188	(12102617)		
413594.78	3728384.09	113.57866	(12102617)	413614.78
3728384.09	111.16809	(16110217)		
413634.78	3728384.09	108.91238	(16110217)	413654.78
3728384.09	106.73717	(16110217)		
413674.78	3728384.09	104.67268	(16110217)	413694.78
3728384.09	102.65968	(16110217)		
413714.78	3728384.09	100.63572	(16110217)	413734.78
3728384.09	98.65506	(16110217)		
413254.78	3728404.09	178.05190	(12102617)	413274.78
3728404.09	172.21572	(12102617)		
413294.78	3728404.09	166.79078	(12102617)	413314.78
3728404.09	161.57019	(12102617)		
413334.78	3728404.09	157.27086	(12102617)	413354.78
3728404.09	152.89217	(12102617)		
413374.78	3728404.09	148.63320	(12102617)	413394.78
3728404.09	144.50056	(12102617)		
413414.78	3728404.09	140.76754	(12102617)	413434.78
3728404.09	137.34243	(12102617)		
413454.78	3728404.09	133.94628	(12102617)	413474.78
3728404.09	130.58937	(12102617)		
413494.78	3728404.09	127.42550	(12102617)	413514.78
3728404.09	124.50375	(12102617)		
413534.78	3728404.09	121.60191	(12102617)	413554.78
3728404.09	118.83626	(12102617)		
413574.78	3728404.09	116.27649	(16110217)	413594.78
3728404.09	113.79214	(16110217)		
413614.78	3728404.09	111.41683	(16110217)	413634.78
3728404.09	109.09003	(16110217)		
413654.78	3728404.09	106.86134	(16110217)	413674.78
3728404.09	104.70123	(16110217)		
413694.78	3728404.09	102.63149	(16110217)	413714.78
3728404.09	100.58081	(16110217)		
413734.78	3728404.09	98.61445	(16110217)	413294.78
3728424.09	166.19980	(12102617)		
413314.78	3728424.09	161.01443	(12102617)	413334.78
3728424.09	156.33809	(12102617)		
413354.78	3728424.09	152.13539	(12102617)	413374.78
3728424.09	147.94277	(12102617)		
413394.78	3728424.09	143.83971	(12102617)	413414.78
3728424.09	139.99985	(12102617)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413434.78	3728424.09	136.62897	(12102617)	413454.78
3728424.09	133.23464	(12102617)		
413474.78	3728424.09	129.91187	(15011517)	413494.78
3728424.09	126.78495	(15011517)		
413514.78	3728424.09	123.85303	(15011517)	413534.78
3728424.09	120.97166	(15011517)		
413554.78	3728424.09	118.21255	(16110217)	413574.78
3728424.09	115.67791	(16110217)		
413594.78	3728424.09	113.22877	(16110217)	413614.78
3728424.09	110.86408	(16110217)		
413634.78	3728424.09	108.58591	(16110217)	413654.78
3728424.09	106.38962	(16110217)		
413674.78	3728424.09	104.27977	(16110217)	413694.78
3728424.09	102.26888	(16110217)		
413714.78	3728424.09	100.28798	(16110217)	413734.78
3728424.09	98.35051	(16110217)		
413294.78	3728444.09	165.44554	(14112117)	413314.78
3728444.09	160.25006	(14112117)		
413334.78	3728444.09	155.28158	(12102617)	413354.78
3728444.09	151.01810	(12102617)		
413374.78	3728444.09	147.03786	(14120417)	413394.78

3728444.09	143.18035	(15011517)		
413414.78	3728444.09	139.48143	(15011517)	413434.78
3728444.09	136.43290	(15011517)		
413454.78	3728444.09	133.26593	(15011517)	413474.78
3728444.09	130.13900	(15011517)		
413494.78	3728444.09	127.03867	(15011517)	413514.78
3728444.09	124.18047	(15011517)		
413534.78	3728444.09	121.40183	(15011517)	413554.78
3728444.09	118.70307	(15011517)		
413574.78	3728444.09	116.07396	(15011517)	413594.78
3728444.09	113.54574	(15011517)		
413614.78	3728444.09	111.08492	(15011517)	413634.78
3728444.09	108.69171	(15011517)		
413654.78	3728444.09	106.25043	(15011517)	413674.78
3728444.09	104.11431	(15011517)		
413694.78	3728444.09	101.95118	(15011517)	413714.78
3728444.09	99.82406	(15011517)		
413734.78	3728444.09	97.81932	(16110217)	413294.78
3728464.09	165.67328	(15102617)		
413314.78	3728464.09	160.35913	(14112117)	413334.78
3728464.09	155.51220	(14112117)		
413354.78	3728464.09	150.99824	(14112117)	413374.78
3728464.09	147.22958	(14120417)		
413394.78	3728464.09	143.35904	(14120417)	413414.78
3728464.09	139.48971	(14120417)		
413434.78	3728464.09	136.21095	(15011517)	413454.78
3728464.09	133.12712	(15011517)		
413474.78	3728464.09	130.06477	(15011517)	413494.78
3728464.09	127.03490	(15011517)		
413514.78	3728464.09	124.29722	(15011517)	413534.78
3728464.09	121.57402	(15011517)		
413554.78	3728464.09	118.92927	(15011517)	413574.78
3728464.09	116.35944	(15011517)		
413594.78	3728464.09	113.86392	(15011517)	413614.78
3728464.09	111.44446	(15011517)		
413634.78	3728464.09	109.05110	(15011517)	413654.78
3728464.09	106.65051	(15011517)		
413674.78	3728464.09	104.55044	(15011517)	413694.78
3728464.09	102.43217	(15011517)		
413714.78	3728464.09	100.34582	(15011517)	413734.78
3728464.09	98.20378	(15011517)		
413314.78	3728484.09	160.95902	(15102617)	413334.78
3728484.09	155.62604	(14112117)		
413354.78	3728484.09	151.05524	(14112117)	413374.78
3728484.09	147.22772	(14111317)		
413394.78	3728484.09	143.32093	(14111317)	413414.78
3728484.09	139.62888	(14120417)		
413434.78	3728484.09	136.17445	(14120417)	413454.78
3728484.09	132.85917	(14120417)		
413474.78	3728484.09	129.63648	(14120417)	413494.78

3728484.09 126.73725 (15011517)
 413514.78 3728484.09 124.02894 (15011517) 413534.78
 3728484.09 121.32871 (15011517)
 413554.78 3728484.09 118.72113 (15011517) 413574.78
 3728484.09 116.21028 (15011517)
 413594.78 3728484.09 113.76244 (15011517) 413614.78
 3728484.09 111.41050 (15011517)
 413634.78 3728484.09 109.08500 (15011517) 413654.78
 3728484.09 106.75275 (15011517)

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

*** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
413674.78	3728484.09	104.69778 (15011517)	413694.78
3728484.09	102.61413 (15011517)		
413714.78	3728484.09	100.56832 (15011517)	413734.78
3728484.09	98.55044 (15011517)		
413334.78	3728504.09	156.48862 (15102617)	413354.78
3728504.09	151.25827 (14111917)		
413374.78	3728504.09	146.99780 (14111317)	413394.78
3728504.09	143.47427 (14111317)		
413414.78	3728504.09	139.89311 (14111317)	413434.78
3728504.09	136.37777 (14111317)		
413454.78	3728504.09	132.99854 (14111317)	413474.78
3728504.09	129.73401 (14120417)		

413494.78	3728504.09	126.63549	(14120417)	413514.78
3728504.09	123.71749	(14120417)		
413534.78	3728504.09	120.84071	(14120417)	413554.78
3728504.09	118.21261	(15011517)		
413574.78	3728504.09	115.75610	(15011517)	413594.78
3728504.09	113.35911	(15011517)		
413614.78	3728504.09	111.05898	(15011517)	413634.78
3728504.09	108.80073	(15011517)		
413654.78	3728504.09	106.52596	(15011517)	413674.78
3728504.09	104.53003	(15011517)		
413694.78	3728504.09	102.49049	(15011517)	413714.78
3728504.09	100.49373	(15011517)		
413734.78	3728504.09	98.52272	(15011517)	413334.78
3728524.09	157.43720	(15102617)		
413354.78	3728524.09	152.31240	(15102617)	413374.78
3728524.09	147.27398	(14111917)		
413394.78	3728524.09	143.25374	(14111917)	413414.78
3728524.09	139.71934	(14111317)		
413434.78	3728524.09	136.31092	(14111317)	413454.78
3728524.09	132.99209	(14111317)		
413474.78	3728524.09	129.77003	(14111317)	413494.78
3728524.09	126.67965	(14111317)		
413514.78	3728524.09	123.68513	(14111317)	413534.78
3728524.09	120.77287	(14111317)		
413554.78	3728524.09	118.06776	(14120417)	413574.78
3728524.09	115.44074	(14120417)		
413594.78	3728524.09	112.88056	(14120417)	413614.78
3728524.09	110.42111	(14120417)		
413634.78	3728524.09	108.15557	(15011517)	413654.78
3728524.09	105.95151	(15011517)		
413674.78	3728524.09	104.01660	(15011517)	413694.78
3728524.09	102.05083	(15011517)		
413714.78	3728524.09	100.10252	(15011517)	413734.78
3728524.09	98.17709	(15011517)		
413334.78	3728544.09	158.07028	(15102617)	413354.78
3728544.09	153.15580	(15102617)		
413374.78	3728544.09	148.28541	(15102617)	413394.78
3728544.09	143.54629	(15102617)		
413414.78	3728544.09	139.87583	(14111917)	413434.78
3728544.09	136.18830	(14111917)		
413454.78	3728544.09	132.67592	(14111317)	413474.78
3728544.09	129.51144	(14111317)		
413494.78	3728544.09	126.54026	(14111317)	413514.78
3728544.09	123.61939	(14111317)		
413534.78	3728544.09	120.78920	(14111317)	413554.78
3728544.09	118.03583	(14111317)		
413574.78	3728544.09	115.35912	(14111317)	413594.78
3728544.09	112.77145	(14111317)		
413614.78	3728544.09	110.30680	(14120417)	413634.78
3728544.09	107.91951	(14120417)		

3728564.09	101.23796	(14120417)		
413714.78	3728564.09	99.21790	(14120417)	413734.78
3728564.09	97.22702	(14120417)		
413374.78	3728584.09	149.55141	(15102617)	413394.78
3728584.09	145.22843	(15102617)		
413414.78	3728584.09	141.02111	(15102617)	413434.78
3728584.09	136.91996	(15102617)		
413454.78	3728584.09	132.83966	(14111917)	413474.78
3728584.09	129.62360	(14111917)		
413494.78	3728584.09	126.41644	(14111917)	413514.78
3728584.09	123.29985	(14111917)		
413534.78	3728584.09	120.24053	(14111917)	413554.78
3728584.09	117.37368	(13103017)		
413574.78	3728584.09	114.65355	(14111317)	413594.78
3728584.09	112.20134	(14111317)		
413614.78	3728584.09	109.85249	(14111317)	413634.78
3728584.09	107.62317	(14111317)		
413654.78	3728584.09	105.40881	(14111317)	413674.78
3728584.09	103.27266	(14111317)		
413694.78	3728584.09	101.12676	(14111317)	413714.78
3728584.09	98.99246	(14111317)		
413734.78	3728584.09	96.94559	(14111317)	413374.78
3728604.09	149.68190	(15102617)		
413394.78	3728604.09	145.50632	(15102617)	413414.78
3728604.09	141.45134	(15102617)		
413434.78	3728604.09	137.46511	(15102617)	413454.78
3728604.09	133.54797	(15102617)		
413474.78	3728604.09	129.85965	(15102617)	413494.78
3728604.09	126.32610	(14111917)		
413514.78	3728604.09	123.28385	(14111917)	413534.78
3728604.09	120.30397	(14111917)		
413554.78	3728604.09	117.37504	(14111917)	413574.78
3728604.09	114.60015	(14111917)		
413594.78	3728604.09	112.03531	(13103017)	413614.78
3728604.09	109.59942	(13103017)		
413634.78	3728604.09	107.22917	(13103017)	413654.78
3728604.09	104.99772	(14111317)		
413674.78	3728604.09	102.80860	(14111317)	413694.78
3728604.09	100.74835	(14111317)		
413714.78	3728604.09	98.77534	(14111317)	413734.78
3728604.09	96.85072	(14111317)		
413414.78	3728624.09	141.53230	(15102617)	413434.78
3728624.09	137.75663	(15102617)		
413454.78	3728624.09	133.92087	(15102617)	413474.78
3728624.09	130.33245	(15102617)		
413494.78	3728624.09	126.78993	(15102617)	413514.78
3728624.09	123.23847	(15102617)		
413534.78	3728624.09	120.07514	(14111917)	413554.78
3728624.09	117.38039	(14111917)		
413574.78	3728624.09	114.74404	(14111917)	413594.78

3728624.09	112.15637	(14111917)			
	413614.78	3728624.09	109.50236	(14111917)	413634.78
3728624.09	106.84999	(13103017)			
	413654.78	3728624.09	104.55252	(13103017)	413674.78
3728624.09	102.37701	(13103017)			
	413694.78	3728624.09	100.24948	(13103017)	413714.78
3728624.09	98.29793	(14111317)			
	413734.78	3728624.09	96.48802	(14111317)	413414.78
3728644.09	141.30898	(15102617)			
	413434.78	3728644.09	137.66562	(15102617)	413454.78
3728644.09	134.09792	(15102617)			
	413474.78	3728644.09	130.52025	(15102617)	413494.78
3728644.09	127.09630	(15102617)			
	413514.78	3728644.09	123.78229	(15102617)	413534.78
3728644.09	120.59400	(15102617)			
	413554.78	3728644.09	117.38760	(15102617)	413574.78
3728644.09	114.32967	(14111917)			
	413594.78	3728644.09	111.62733	(14111917)	413614.78
3728644.09	109.86631	(14111917)			
	413634.78	3728644.09	106.83864	(14111917)	413654.78
3728644.09	104.41011	(14111917)			
	413674.78	3728644.09	102.16779	(14111917)	413694.78
3728644.09	100.14974	(13103017)			
	413714.78	3728644.09	98.21209	(13103017)	413734.78
3728644.09	96.28119	(13103017)			
	413414.78	3728664.09	140.96660	(14110617)	413434.78
3728664.09	137.17135	(15102617)			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413454.78	3728664.09	133.77513	(15102617)	413474.78
3728664.09	130.47173	(15102617)		
413494.78	3728664.09	127.23599	(15102617)	413514.78
3728664.09	124.04324	(15102617)		
413534.78	3728664.09	120.70036	(15102617)	413554.78
3728664.09	121.01441	(12120617)		
413574.78	3728664.09	127.14976	(16120917)	413594.78
3728664.09	119.87529	(14112117)		
413614.78	3728664.09	112.84352	(13112517)	413634.78
3728664.09	107.38478	(14111917)		
413654.78	3728664.09	104.28596	(14111917)	413674.78
3728664.09	102.25620	(14111917)		
413694.78	3728664.09	100.21974	(14111917)	413714.78
3728664.09	98.09590	(14111917)		
413734.78	3728664.09	96.08232	(13103017)	413414.78
3728684.09	140.87749	(14110617)		
413434.78	3728684.09	137.01089	(14110617)	413454.78
3728684.09	133.20507	(14110617)		
413474.78	3728684.09	129.91115	(15102617)	413494.78
3728684.09	126.52205	(15102617)		
413514.78	3728684.09	157.63119	(16111017)	413534.78
3728684.09	154.95300	(16111017)		
413554.78	3728684.09	151.07256	(16111017)	413574.78
3728684.09	146.63401	(16111017)		
413594.78	3728684.09	125.81190	(16120917)	413614.78
3728684.09	111.20437	(14111917)		
413634.78	3728684.09	106.46210	(15102617)	413654.78
3728684.09	104.16505	(13013017)		
413674.78	3728684.09	102.05480	(14111917)	413694.78
3728684.09	99.99307	(14111917)		
413714.78	3728684.09	97.98562	(14111917)	413734.78
3728684.09	95.97557	(14111917)		
410427.04	3723000.34	7.51134	(16122117)	410447.04
3723000.34	7.62856	(16122117)		
410467.04	3723000.34	7.74440	(16122117)	410487.04
3723000.34	7.85711	(16122117)		
410507.04	3723000.34	7.96680	(16122117)	410527.04
3723000.34	8.07455	(16122117)		
410547.04	3723000.34	8.18060	(16122117)	410567.04
3723000.34	8.28345	(16122117)		
410587.04	3723000.34	8.38140	(16122117)	410607.04
3723000.34	8.47681	(16122117)		
410627.04	3723000.34	8.57003	(16122117)	410647.04
3723000.34	8.65876	(16122117)		

410667.04	3723000.34	8.74181	(16122117)	410687.04
3723000.34	8.82185	(16122117)		
410707.04	3723000.34	8.89915	(16122117)	410727.04
3723000.34	8.97023	(16122117)		
410747.04	3723000.34	9.03704	(16122117)	410767.04
3723000.34	9.09886	(16122117)		
410787.04	3723000.34	9.15636	(16122117)	410807.04
3723000.34	9.20834	(16122117)		
410827.04	3723000.34	9.25533	(16122117)	410847.04
3723000.34	9.29749	(16122117)		
410867.04	3723000.34	9.33467	(16122117)	410887.04
3723000.34	9.36565	(16122117)		
410907.04	3723000.34	9.39182	(16122117)	410927.04
3723000.34	9.41215	(16122117)		
410947.04	3723000.34	9.42656	(16122117)	410967.04
3723000.34	9.43596	(16122117)		
410987.04	3723000.34	9.43917	(16122117)	411007.04
3723000.34	9.43668	(16122117)		
411027.04	3723000.34	9.42940	(16122117)	411047.04
3723000.34	9.41484	(16122117)		
411067.04	3723000.34	9.39475	(16122117)	411087.04
3723000.34	9.36910	(16122117)		
411107.04	3723000.34	9.33749	(16122117)	411127.04
3723000.34	9.30016	(16122117)		
411147.04	3723000.34	9.25736	(16122117)	411167.04
3723000.34	9.20854	(16122117)		
411187.04	3723000.34	9.15422	(16122117)	411207.04
3723000.34	9.09456	(16122117)		
411227.04	3723000.34	9.02912	(16122117)	411327.04
3723000.34	8.62839	(16122117)		
410427.04	3723020.34	7.50128	(16122117)	410447.04
3723020.34	7.61973	(16122117)		
410467.04	3723020.34	7.73622	(16122117)	410487.04
3723020.34	7.85043	(16122117)		
410507.04	3723020.34	7.96266	(16122117)	410527.04
3723020.34	8.07274	(16122117)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,

, L0000019 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
3723020.34	410547.04	3723020.34	8.18006	(16122117)	410567.04
3723020.34	410587.04	3723020.34	8.28444	(16122117)	410607.04
3723020.34	410627.04	3723020.34	8.38566	(16122117)	410647.04
3723020.34	410667.04	3723020.34	8.48338	(16122117)	410687.04
3723020.34	410707.04	3723020.34	8.57775	(16122117)	410727.04
3723020.34	410747.04	3723020.34	8.66829	(16122117)	410767.04
3723020.34	410787.04	3723020.34	8.75486	(16122117)	410807.04
3723020.34	410827.04	3723020.34	8.83753	(16122117)	410847.04
3723020.34	410867.04	3723020.34	8.91597	(16122117)	410887.04
3723020.34	410907.04	3723020.34	8.98997	(16122117)	410927.04
3723020.34	410947.04	3723020.34	9.05947	(16122117)	410967.04
3723020.34	410987.04	3723020.34	9.12427	(16122117)	411007.04
3723020.34	411027.04	3723020.34	9.18352	(16122117)	411047.04
3723020.34	411067.04	3723020.34	9.23790	(16122117)	411087.04
3723020.34	411107.04	3723020.34	9.28769	(16122117)	411127.04
3723020.34	411147.04	3723020.34	9.33233	(16122117)	411167.04
3723020.34	411187.04	3723020.34	9.40550	(16122117)	411207.04
3723020.34	411227.04	3723020.34	9.43387	(16122117)	411227.04
3723020.34	411267.04	3723020.34	9.45655	(16122117)	411267.04
3723020.34	411307.04	3723020.34	9.47336	(16122117)	411307.04
3723020.34	411347.04	3723020.34	9.48481	(16122117)	411347.04
3723020.34	411387.04	3723020.34	9.49034	(16122117)	411387.04
3723020.34	411427.04	3723020.34	9.48997	(16122117)	411427.04
3723020.34	411467.04	3723020.34	9.48370	(16122117)	411467.04
3723020.34	411507.04	3723020.34	9.47150	(16122117)	411507.04
3723020.34	411547.04	3723020.34	9.45349	(16122117)	411547.04
3723020.34	411587.04	3723020.34	9.42959	(16122117)	411587.04
3723020.34	411627.04	3723020.34	9.39971	(16122117)	411627.04
3723020.34	411667.04	3723020.34	9.36411	(16122117)	411667.04
3723020.34	411707.04	3723020.34	9.32269	(16122117)	411707.04
3723020.34	411747.04	3723020.34	9.27540	(16122117)	411747.04
3723020.34	411787.04	3723020.34	9.22252	(16122117)	411787.04
3723020.34	411827.04	3723020.34	9.16377	(16122117)	411827.04
3723020.34	411867.04	3723020.34	9.09951	(16122117)	411867.04

3723040.34	7.48994	(16122117)		
410447.04	3723040.34		7.60930	(16122117) 410467.04
3723040.34	7.72789	(16122117)		
410487.04	3723040.34		7.84477	(16122117) 410507.04
3723040.34	7.95909	(16122117)		
410527.04	3723040.34		8.07102	(16122117) 410547.04
3723040.34	8.18025	(16122117)		
410567.04	3723040.34		8.28665	(16122117) 410587.04
3723040.34	8.39030	(16122117)		
410607.04	3723040.34		8.48893	(16122117) 410627.04
3723040.34	8.58519	(16122117)		
410647.04	3723040.34		8.67804	(16122117) 410667.04
3723040.34	8.76703	(16122117)		
410687.04	3723040.34		8.85203	(16122117) 410707.04
3723040.34	8.93270	(16122117)		
410727.04	3723040.34		9.00920	(16122117) 410747.04
3723040.34	9.08296	(16122117)		
410767.04	3723040.34		9.14807	(16122117) 410787.04
3723040.34	9.21018	(16122117)		
410807.04	3723040.34		9.26755	(16122117) 410827.04
3723040.34	9.31939	(16122117)		
410847.04	3723040.34		9.36655	(16122117) 410867.04
3723040.34	9.40845	(16122117)		
410887.04	3723040.34		9.44458	(16122117) 410907.04
3723040.34	9.47550	(16122117)		
410927.04	3723040.34		9.50056	(16122117) 410947.04
3723040.34	9.51776	(16122117)		
410967.04	3723040.34		9.53297	(16122117) 410987.04
3723040.34	9.54102	(16122117)		
411007.04	3723040.34		9.54291	(16122117) 411027.04
3723040.34	9.53850	(16122117)		
411047.04	3723040.34		9.52840	(16122117) 411067.04
3723040.34	9.51234	(16122117)		
411087.04	3723040.34		9.49029	(16122117) 411107.04
3723040.34	9.46230	(16122117)		
411127.04	3723040.34		9.42836	(16122117) 411147.04
3723040.34	9.38864	(16122117)		
411167.04	3723040.34		9.34292	(16122117) 411187.04
3723040.34	9.29188	(16122117)		
411207.04	3723040.34		9.23431	(16122117) 411227.04
3723040.34	9.17136	(16122117)		
410427.04	3723060.34		7.47647	(16122117) 410447.04
3723060.34	7.59724	(16122117)		
410467.04	3723060.34		7.71846	(16122117) 410487.04
3723060.34	7.83778	(16122117)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410507.04	3723060.34	7.95438	(16122117)	410527.04
3723060.34	8.06817	(16122117)		
410547.04	3723060.34	8.17965	(16122117)	410567.04
3723060.34	8.28782	(16122117)		
410587.04	3723060.34	8.39357	(16122117)	410607.04
3723060.34	8.49404	(16122117)		
410627.04	3723060.34	8.59372	(16122117)	410647.04
3723060.34	8.68923	(16122117)		
410667.04	3723060.34	8.78068	(16122117)	410687.04
3723060.34	8.86812	(16122117)		
410707.04	3723060.34	8.95114	(16122117)	410727.04
3723060.34	9.02997	(16122117)		
410747.04	3723060.34	9.10504	(16122117)	410767.04
3723060.34	9.17175	(16122117)		
410787.04	3723060.34	9.23610	(16122117)	410807.04
3723060.34	9.29573	(16122117)		
410827.04	3723060.34	9.34858	(16122117)	410847.04
3723060.34	9.39857	(16122117)		
410867.04	3723060.34	9.44293	(16122117)	410887.04
3723060.34	9.48130	(16122117)		
410907.04	3723060.34	9.51446	(16122117)	410927.04
3723060.34	9.54190	(16122117)		
410947.04	3723060.34	9.56224	(16122117)	410967.04
3723060.34	9.57903	(16122117)		
410987.04	3723060.34	9.58923	(16122117)	411007.04
3723060.34	9.59313	(16122117)		

411027.04	3723060.34	9.59095	(16122117)	411047.04
3723060.34	9.58296	(16122117)		
411067.04	3723060.34	9.56900	(16122117)	411087.04
3723060.34	9.54893	(16122117)		
411107.04	3723060.34	9.52290	(16122117)	411127.04
3723060.34	9.49048	(16122117)		
411147.04	3723060.34	9.45269	(16122117)	411167.04
3723060.34	9.41040	(16122117)		
411187.04	3723060.34	9.36055	(16122117)	411207.04
3723060.34	9.30312	(16122117)		
411227.04	3723060.34	9.24112	(16122117)	411247.04
3723060.34	9.17430	(16122117)		
411267.04	3723060.34	9.10372	(16122117)	411287.04
3723060.34	9.02584	(16122117)		
410427.04	3723080.34	7.46024	(16122117)	410447.04
3723080.34	7.58479	(16122117)		
410467.04	3723080.34	7.70784	(16122117)	410487.04
3723080.34	7.82913	(16122117)		
410507.04	3723080.34	7.94809	(16122117)	410527.04
3723080.34	8.06393	(16122117)		
410547.04	3723080.34	8.17777	(16122117)	410567.04
3723080.34	8.28803	(16122117)		
410587.04	3723080.34	8.39588	(16122117)	410607.04
3723080.34	8.49854	(16122117)		
410627.04	3723080.34	8.60083	(16122117)	410647.04
3723080.34	8.69914	(16122117)		
410667.04	3723080.34	8.79285	(16122117)	410687.04
3723080.34	8.88252	(16122117)		
410707.04	3723080.34	8.96830	(16122117)	410727.04
3723080.34	9.04967	(16122117)		
410747.04	3723080.34	9.12646	(16122117)	410767.04
3723080.34	9.19513	(16122117)		
410787.04	3723080.34	9.26176	(16122117)	410807.04
3723080.34	9.32376	(16122117)		
410827.04	3723080.34	9.37895	(16122117)	410847.04
3723080.34	9.43168	(16122117)		
410867.04	3723080.34	9.47861	(16122117)	410887.04
3723080.34	9.51940	(16122117)		
410907.04	3723080.34	9.55365	(16122117)	410927.04
3723080.34	9.58431	(16122117)		
410947.04	3723080.34	9.60862	(16122117)	410967.04
3723080.34	9.62650	(16122117)		
410987.04	3723080.34	9.63780	(16122117)	411007.04
3723080.34	9.64516	(16122117)		
411027.04	3723080.34	9.64506	(16122117)	411047.04
3723080.34	9.63880	(16122117)		
411067.04	3723080.34	9.62623	(16122117)	411087.04
3723080.34	9.60906	(16122117)		
411107.04	3723080.34	9.58535	(16122117)	411127.04
3723080.34	9.55430	(16122117)		

411147.04 3723080.34 9.51818 (16122117) 411167.04
 3723080.34 9.47801 (16122117)
 411187.04 3723080.34 9.42923 (16122117) 411207.04
 3723080.34 9.37313 (16122117)

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)
411227.04	3723080.34	9.31302 (16122117)	411247.04
3723080.34	9.24746 (16122117)		
411267.04	3723080.34	9.17699 (16122117)	411287.04
3723080.34	9.10185 (16122117)		
410427.04	3723100.34	7.44485 (16122117)	410447.04
3723100.34	7.57216 (16122117)		
410467.04	3723100.34	7.69687 (16122117)	410487.04
3723100.34	7.81998 (16122117)		
410507.04	3723100.34	7.94093 (16122117)	410527.04
3723100.34	8.05882 (16122117)		
410547.04	3723100.34	8.17484 (16122117)	410567.04
3723100.34	8.28734 (16122117)		
410587.04	3723100.34	8.39726 (16122117)	410607.04
3723100.34	8.50214 (16122117)		
410627.04	3723100.34	8.60566 (16122117)	410647.04
3723100.34	8.70582 (16122117)		
410667.04	3723100.34	8.80184 (16122117)	410687.04

3723100.34	8.89407	(16122117)		
410707.04	3723100.34		8.98201	(16122117)
3723100.34	9.06561	(16122117)		410727.04
410747.04	3723100.34		9.14638	(16122117)
3723100.34	9.21782	(16122117)		410767.04
410787.04	3723100.34		9.28694	(16122117)
3723100.34	9.35195	(16122117)		410807.04
410827.04	3723100.34		9.40894	(16122117)
3723100.34	9.46539	(16122117)		410847.04
410867.04	3723100.34		9.51501	(16122117)
3723100.34	9.55805	(16122117)		410887.04
410907.04	3723100.34		9.59405	(16122117)
3723100.34	9.62822	(16122117)		410927.04
410947.04	3723100.34		9.65512	(16122117)
3723100.34	9.67486	(16122117)		410967.04
410987.04	3723100.34		9.68749	(16122117)
3723100.34	9.69820	(16122117)		411007.04
411027.04	3723100.34		9.70075	(16122117)
3723100.34	9.69597	(16122117)		411047.04
411067.04	3723100.34		9.68489	(16122117)
3723100.34	9.67051	(16122117)		411087.04
411107.04	3723100.34		9.64877	(16122117)
3723100.34	9.61880	(16122117)		411127.04
411147.04	3723100.34		9.58420	(16122117)
3723100.34	9.54540	(16122117)		411167.04
411187.04	3723100.34		9.49808	(16122117)
3723100.34	9.44385	(16122117)		411207.04
411227.04	3723100.34		9.38591	(16122117)
3723100.34	9.32266	(16122117)		411247.04
411267.04	3723100.34		9.25083	(16122117)
3723100.34	9.17694	(16122117)		411287.04
411307.04	3723100.34		9.09691	(16122117)
3723120.34	7.43023	(16122117)		410427.04
410447.04	3723120.34		7.55862	(16122117)
3723120.34	7.68493	(16122117)		410467.04
410487.04	3723120.34		7.81014	(16122117)
3723120.34	7.93290	(16122117)		410507.04
410527.04	3723120.34		8.05298	(16122117)
3723120.34	8.17100	(16122117)		410547.04
410567.04	3723120.34		8.28567	(16122117)
3723120.34	8.39759	(16122117)		410587.04
410607.04	3723120.34		8.50484	(16122117)
3723120.34	8.61088	(16122117)		410627.04
410647.04	3723120.34		8.71348	(16122117)
3723120.34	8.81174	(16122117)		410667.04
410687.04	3723120.34		8.90617	(16122117)
3723120.34	8.99658	(16122117)		410707.04
410727.04	3723120.34		9.08251	(16122117)
3723120.34	9.16600	(16122117)		410747.04
410767.04	3723120.34		9.23973	(16122117)

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3723120.34      9.31134 (16122117)
      410807.04  3723120.34      9.37905 (16122117)      410827.04
3723120.34      9.43850 (16122117)
      410847.04  3723120.34      9.49783 (16122117)      410867.04
3723120.34      9.54981 (16122117)
      410887.04  3723120.34      9.59548 (16122117)      410907.04
3723120.34      9.63359 (16122117)
      410927.04  3723120.34      9.67057 (16122117)      410947.04
3723120.34      9.69961 (16122117)
      410967.04  3723120.34      9.72187 (16122117)      410987.04
3723120.34      9.73661 (16122117)
      411007.04  3723120.34      9.74967 (16122117)      411027.04
3723120.34      9.75438 (16122117)
^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***          05/26/20
*** AERMET - VERSION 16216 *** ***
      ***          16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
      L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
      L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
      L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
411047.04	3723120.34	9.75183 (16122117)	411067.04
3723120.34	9.74298 (16122117)		
411087.04	3723120.34	9.73102 (16122117)	411107.04
3723120.34	9.71088 (16122117)		
411127.04	3723120.34	9.68273 (16122117)	411147.04
3723120.34	9.64975 (16122117)		
411167.04	3723120.34	9.61296 (16122117)	411187.04
3723120.34	9.56743 (16122117)		

411207.04	3723120.34	9.51497	(16122117)	411227.04
3723120.34	9.45843	(16122117)		
411247.04	3723120.34	9.39693	(16122117)	411267.04
3723120.34	9.32703	(16122117)		
411287.04	3723120.34	9.25140	(16122117)	411307.04
3723120.34	9.17371	(16122117)		
411327.04	3723120.34	9.08882	(16122117)	410707.04
3723140.34	9.01149	(16122117)		
410727.04	3723140.34	9.10014	(16122117)	410747.04
3723140.34	9.18487	(16122117)		
410767.04	3723140.34	9.26082	(16122117)	410787.04
3723140.34	9.33509	(16122117)		
410807.04	3723140.34	9.40503	(16122117)	410827.04
3723140.34	9.46723	(16122117)		
410847.04	3723140.34	9.52902	(16122117)	410867.04
3723140.34	9.58377	(16122117)		
410887.04	3723140.34	9.63173	(16122117)	410907.04
3723140.34	9.67242	(16122117)		
410927.04	3723140.34	9.71181	(16122117)	410947.04
3723140.34	9.74367	(16122117)		
410967.04	3723140.34	9.76821	(16122117)	410987.04
3723140.34	9.78519	(16122117)		
411007.04	3723140.34	9.80038	(16122117)	411027.04
3723140.34	9.80792	(16122117)		
411047.04	3723140.34	9.80729	(16122117)	411067.04
3723140.34	9.80046	(16122117)		
411087.04	3723140.34	9.79095	(16122117)	411107.04
3723140.34	9.77286	(16122117)		
411127.04	3723140.34	9.74677	(16122117)	411147.04
3723140.34	9.71549	(16122117)		
411167.04	3723140.34	9.68008	(16122117)	411187.04
3723140.34	9.63681	(16122117)		
411207.04	3723140.34	9.58560	(16122117)	411227.04
3723140.34	9.53071	(16122117)		
411247.04	3723140.34	9.47098	(16122117)	411267.04
3723140.34	9.40308	(16122117)		
411287.04	3723140.34	9.32871	(16122117)	411307.04
3723140.34	9.24940	(16122117)		
411327.04	3723140.34	9.16721	(16122117)	410707.04
3723160.34	9.02432	(16122117)		
410727.04	3723160.34	9.11566	(16122117)	410747.04
3723160.34	9.20294	(16122117)		
410767.04	3723160.34	9.28118	(16122117)	410787.04
3723160.34	9.35800	(16122117)		
410807.04	3723160.34	9.43054	(16122117)	410827.04
3723160.34	9.49540	(16122117)		
410847.04	3723160.34	9.55981	(16122117)	410867.04
3723160.34	9.61681	(16122117)		
410887.04	3723160.34	9.66755	(16122117)	410907.04
3723160.34	9.71077	(16122117)		


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410927.04  3723160.34      9.75233 (16122117)      410947.04
3723160.34      9.78669 (16122117)
410967.04  3723160.34      9.81369 (16122117)      410987.04
3723160.34      9.83339 (16122117)
411007.04  3723160.34      9.85117 (16122117)      411027.04
3723160.34      9.86073 (16122117)
411047.04  3723160.34      9.86180 (16122117)      411067.04
3723160.34      9.85751 (16122117)
411087.04  3723160.34      9.85015 (16122117)      411107.04
3723160.34      9.83429 (16122117)
411127.04  3723160.34      9.81043 (16122117)      411147.04
3723160.34      9.78123 (16122117)
411167.04  3723160.34      9.74769 (16122117)      411187.04
3723160.34      9.70614 (16122117)
411207.04  3723160.34      9.65647 (16122117)      411227.04
3723160.34      9.60345 (16122117)
411247.04  3723160.34      9.54478 (16122117)      411267.04
3723160.34      9.47923 (16122117)
411287.04  3723160.34      9.40717 (16122117)      411307.04
3723160.34      9.32750 (16122117)
411327.04  3723160.34      9.24472 (16122117)      411347.04
3723160.34      9.15817 (16122117)

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                                *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S):  L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

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X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
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```

411367.04	3723160.34	9.06335	(16122117)	410707.04
3723180.34	9.03455 (16122117)			
410727.04	3723180.34	9.12839	(16122117)	410747.04
3723180.34	9.21944 (16122117)			
410767.04	3723180.34	9.30073	(16122117)	410787.04
3723180.34	9.38035 (16122117)			
410807.04	3723180.34	9.45566	(16122117)	410827.04
3723180.34	9.52270 (16122117)			
410847.04	3723180.34	9.58995	(16122117)	410867.04
3723180.34	9.64941 (16122117)			
410887.04	3723180.34	9.70274	(16122117)	410907.04
3723180.34	9.74844 (16122117)			
410927.04	3723180.34	9.79265	(16122117)	410947.04
3723180.34	9.82937 (16122117)			
410967.04	3723180.34	9.85914	(16122117)	410987.04
3723180.34	9.88116 (16122117)			
411007.04	3723180.34	9.90142	(16122117)	411027.04
3723180.34	9.91323 (16122117)			
411047.04	3723180.34	9.91783	(16122117)	411067.04
3723180.34	9.91606 (16122117)			
411087.04	3723180.34	9.90950	(16122117)	411107.04
3723180.34	9.89591 (16122117)			
411127.04	3723180.34	9.87397	(16122117)	411147.04
3723180.34	9.84657 (16122117)			
411167.04	3723180.34	9.81496	(16122117)	411187.04
3723180.34	9.77556 (16122117)			
411207.04	3723180.34	9.72741	(16122117)	411227.04
3723180.34	9.67608 (16122117)			
411247.04	3723180.34	9.61928	(16122117)	411267.04
3723180.34	9.55518 (16122117)			
411287.04	3723180.34	9.48290	(16122117)	411307.04
3723180.34	9.40560 (16122117)			
411327.04	3723180.34	9.32359	(16122117)	411347.04
3723180.34	9.23718 (16122117)			
411367.04	3723180.34	9.14548	(16122117)	411387.04
3723180.34	9.04570 (16122117)			
410707.04	3723200.34	9.04663	(16122117)	410727.04
3723200.34	9.14279 (16122117)			
410747.04	3723200.34	9.23554	(16122117)	410767.04
3723200.34	9.31938 (16122117)			
410787.04	3723200.34	9.40168	(16122117)	410807.04
3723200.34	9.47965 (16122117)			
410827.04	3723200.34	9.54930	(16122117)	410847.04
3723200.34	9.61896 (16122117)			
410867.04	3723200.34	9.68151	(16122117)	410887.04
3723200.34	9.73732 (16122117)			
410907.04	3723200.34	9.78548	(16122117)	410927.04
3723200.34	9.83244 (16122117)			
410947.04	3723200.34	9.87178	(16122117)	410967.04

3723200.34	9.90381	(16122117)		
410987.04	3723200.34	9.92837	(16122117)	411007.04
3723200.34	9.95089	(16122117)		
411027.04	3723200.34	9.96558	(16122117)	411047.04
3723200.34	9.97343	(16122117)		
411067.04	3723200.34	9.97444	(16122117)	411087.04
3723200.34	9.96921	(16122117)		
411107.04	3723200.34	9.95740	(16122117)	411127.04
3723200.34	9.93738	(16122117)		
411147.04	3723200.34	9.91225	(16122117)	411167.04
3723200.34	9.88283	(16122117)		
411187.04	3723200.34	9.84476	(16122117)	411207.04
3723200.34	9.79871	(16122117)		
411227.04	3723200.34	9.74851	(16122117)	411247.04
3723200.34	9.69329	(16122117)		
411267.04	3723200.34	9.63055	(16122117)	411287.04
3723200.34	9.55925	(16122117)		
411307.04	3723200.34	9.48646	(16122117)	411327.04
3723200.34	9.40490	(16122117)		
411347.04	3723200.34	9.31657	(16122117)	411367.04
3723200.34	9.22628	(16122117)		
411387.04	3723200.34	9.12947	(16122117)	410707.04
3723220.34	9.05742	(16122117)		
410727.04	3723220.34	9.15607	(16122117)	410747.04
3723220.34	9.25058	(16122117)		
410767.04	3723220.34	9.33720	(16122117)	410787.04
3723220.34	9.42225	(16122117)		
410807.04	3723220.34	9.50272	(16122117)	410827.04
3723220.34	9.57515	(16122117)		
410847.04	3723220.34	9.64752	(16122117)	410867.04
3723220.34	9.71250	(16122117)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF PM ₁₀ IN MICROGRAMS/M**3		
**				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC			
410887.04	3723220.34	9.77092	(16122117)	410907.04
3723220.34	9.82199 (16122117)			
410927.04	3723220.34	9.87168	(16122117)	410947.04
3723220.34	9.91359 (16122117)			
410967.04	3723220.34	9.94815	(16122117)	410987.04
3723220.34	9.97515 (16122117)			
411007.04	3723220.34	9.99982	(16122117)	411027.04
3723220.34	10.01685 (16122117)			
411047.04	3723220.34	10.02685	(16122117)	411067.04
3723220.34	10.03040 (16122117)			
411087.04	3723220.34	10.02724	(16122117)	411107.04
3723220.34	10.01748 (16122117)			
411127.04	3723220.34	10.00020	(16122117)	411147.04
3723220.34	9.97736 (16122117)			
411167.04	3723220.34	9.94947	(16122117)	411187.04
3723220.34	9.91400 (16122117)			
411207.04	3723220.34	9.86967	(16122117)	411227.04
3723220.34	9.82169 (16122117)			
411247.04	3723220.34	9.76820	(16122117)	411267.04
3723220.34	9.70647 (16122117)			
411287.04	3723220.34	9.63691	(16122117)	411307.04
3723220.34	9.56502 (16122117)			
411327.04	3723220.34	9.48584	(16122117)	411347.04
3723220.34	9.39886 (16122117)			
411367.04	3723220.34	9.30707	(16122117)	411387.04
3723220.34	9.21251 (16122117)			
410707.04	3723240.34	9.06538	(16122117)	410727.04
3723240.34	9.16666 (16122117)			
410747.04	3723240.34	9.26349	(16122117)	410767.04
3723240.34	9.35394 (16122117)			
410787.04	3723240.34	9.44163	(16122117)	410807.04
3723240.34	9.52458 (16122117)			
410827.04	3723240.34	9.60021	(16122117)	410847.04
3723240.34	9.67528 (16122117)			
410867.04	3723240.34	9.74263	(16122117)	410887.04
3723240.34	9.80396 (16122117)			
410907.04	3723240.34	9.85775	(16122117)	410927.04
3723240.34	9.91007 (16122117)			
410947.04	3723240.34	9.95467	(16122117)	410967.04
3723240.34	9.99186 (16122117)			

410987.04	3723240.34	10.02129	(16122117)	411007.04
3723240.34	10.04756	(16122117)		
411027.04	3723240.34	10.06644	(16122117)	411047.04
3723240.34	10.07865	(16122117)		
411067.04	3723240.34	10.08452	(16122117)	411087.04
3723240.34	10.08444	(16122117)		
411107.04	3723240.34	10.07682	(16122117)	411127.04
3723240.34	10.06270	(16122117)		
411147.04	3723240.34	10.04219	(16122117)	411167.04
3723240.34	10.01548	(16122117)		
411187.04	3723240.34	9.98181	(16122117)	411207.04
3723240.34	9.94057	(16122117)		
411227.04	3723240.34	9.89496	(16122117)	411247.04
3723240.34	9.84326	(16122117)		
411267.04	3723240.34	9.78303	(16122117)	411287.04
3723240.34	9.71472	(16122117)		
411307.04	3723240.34	9.64458	(16122117)	411327.04
3723240.34	9.56636	(16122117)		
411347.04	3723240.34	9.48094	(16122117)	411367.04
3723240.34	9.38875	(16122117)		
411387.04	3723240.34	9.29550	(16122117)	411407.04
3723240.34	9.19509	(16122117)		
410707.04	3723260.34	9.07167	(16122117)	410727.04
3723260.34	9.17527	(16122117)		
410747.04	3723260.34	9.27476	(16122117)	410767.04
3723260.34	9.36976	(16122117)		
410787.04	3723260.34	9.45983	(16122117)	410807.04
3723260.34	9.54485	(16122117)		
410827.04	3723260.34	9.62443	(16122117)	410847.04
3723260.34	9.70282	(16122117)		
410867.04	3723260.34	9.77271	(16122117)	410887.04
3723260.34	9.83662	(16122117)		
410907.04	3723260.34	9.89283	(16122117)	410927.04
3723260.34	9.94801	(16122117)		
410947.04	3723260.34	9.99520	(16122117)	410967.04
3723260.34	10.03519	(16122117)		
410987.04	3723260.34	10.06769	(16122117)	411007.04
3723260.34	10.09790	(16122117)		
411027.04	3723260.34	10.11939	(16122117)	411047.04
3723260.34	10.13307	(16122117)		

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          ***              05/26/20
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*** MODELOPTs:   RegDFault  CONC  ELEV  URBAN  ADJ_U*

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          *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1 ***

```

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411067.04	3723260.34	10.14110	(16122117)	411087.04
3723260.34	10.14489	(16122117)		
411107.04	3723260.34	10.13961	(16122117)	411127.04
3723260.34	10.12633	(16122117)		
411147.04	3723260.34	10.10915	(16122117)	411167.04
3723260.34	10.08439	(16122117)		
411187.04	3723260.34	10.05247	(16122117)	411207.04
3723260.34	10.01265	(16122117)		
411227.04	3723260.34	9.96840	(16122117)	411247.04
3723260.34	9.91836	(16122117)		
411267.04	3723260.34	9.85968	(16122117)	411287.04
3723260.34	9.79275	(16122117)		
411307.04	3723260.34	9.72380	(16122117)	411327.04
3723260.34	9.64713	(16122117)		
411347.04	3723260.34	9.56313	(16122117)	411367.04
3723260.34	9.47173	(16122117)		
411387.04	3723260.34	9.37830	(16122117)	411407.04
3723260.34	9.27758	(16122117)		
410707.04	3723280.34	9.08061	(16122117)	410727.04
3723280.34	9.18611	(16122117)		
410747.04	3723280.34	9.28923	(16122117)	410767.04
3723280.34	9.38538	(16122117)		
410787.04	3723280.34	9.47877	(16122117)	410807.04
3723280.34	9.56757	(16122117)		
410827.04	3723280.34	9.64802	(16122117)	410847.04
3723280.34	9.72851	(16122117)		
410867.04	3723280.34	9.80147	(16122117)	410887.04
3723280.34	9.86804	(16122117)		
410907.04	3723280.34	9.92721	(16122117)	410927.04
3723280.34	9.98472	(16122117)		
410947.04	3723280.34	10.03502	(16122117)	410967.04

3723280.34	10.07727	(16122117)			
410987.04	3723280.34	10.11307	(16122117)		411007.04
3723280.34	10.14616	(16122117)			
411027.04	3723280.34	10.17040	(16122117)		411047.04
3723280.34	10.18654	(16122117)			
411067.04	3723280.34	10.19659	(16122117)		411087.04
3723280.34	10.20256	(16122117)			
411107.04	3723280.34	10.20042	(16122117)		411127.04
3723280.34	10.19008	(16122117)			
411147.04	3723280.34	10.17337	(16122117)		411167.04
3723280.34	10.15202	(16122117)			
411187.04	3723280.34	10.12231	(16122117)		411207.04
3723280.34	10.08425	(16122117)			
411227.04	3723280.34	10.04190	(16122117)		411247.04
3723280.34	9.99356	(16122117)			
411267.04	3723280.34	9.93618	(16122117)		411287.04
3723280.34	9.87100	(16122117)			
411307.04	3723280.34	9.80355	(16122117)		411327.04
3723280.34	9.72875	(16122117)			
411347.04	3723280.34	9.64537	(16122117)		411367.04
3723280.34	9.55595	(16122117)			
411387.04	3723280.34	9.46111	(16122117)		411407.04
3723280.34	9.36234	(16122117)			
410707.04	3723300.34	9.08760	(16122117)		410727.04
3723300.34	9.19561	(16122117)			
410747.04	3723300.34	9.30132	(16122117)		410767.04
3723300.34	9.39978	(16122117)			
410787.04	3723300.34	9.49605	(16122117)		410807.04
3723300.34	9.58753	(16122117)			
410827.04	3723300.34	9.67073	(16122117)		410847.04
3723300.34	9.75366	(16122117)			
410867.04	3723300.34	9.82973	(16122117)		410887.04
3723300.34	9.89860	(16122117)			
410907.04	3723300.34	9.96113	(16122117)		410927.04
3723300.34	10.01991	(16122117)			
410947.04	3723300.34	10.07241	(16122117)		410967.04
3723300.34	10.11805	(16122117)			
410987.04	3723300.34	10.15778	(16122117)		411007.04
3723300.34	10.19343	(16122117)			
411027.04	3723300.34	10.22046	(16122117)		411047.04
3723300.34	10.23934	(16122117)			
411067.04	3723300.34	10.25184	(16122117)		411087.04
3723300.34	10.26013	(16122117)			
411107.04	3723300.34	10.25819	(16122117)		411127.04
3723300.34	10.25037	(16122117)			
411147.04	3723300.34	10.23813	(16122117)		411167.04
3723300.34	10.21835	(16122117)			
411187.04	3723300.34	10.19163	(16122117)		411207.04
3723300.34	10.15492	(16122117)			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
411227.04	3723300.34	10.11386 (16122117)	411247.04
3723300.34	10.06611 (16122117)		
411267.04	3723300.34	10.01101 (16122117)	411287.04
3723300.34	9.94941 (16122117)		
411307.04	3723300.34	9.88195 (16122117)	411327.04
3723300.34	9.80978 (16122117)		
411347.04	3723300.34	9.72912 (16122117)	411367.04
3723300.34	9.64133 (16122117)		
411387.04	3723300.34	9.54681 (16122117)	411407.04
3723300.34	9.44875 (16122117)		
411427.04	3723300.34	9.34671 (16122117)	411447.04
3723300.34	9.23761 (16122117)		
410707.04	3723320.34	9.09321 (16122117)	410727.04
3723320.34	9.20372 (16122117)		
410747.04	3723320.34	9.31268 (16122117)	410767.04
3723320.34	9.41330 (16122117)		
410787.04	3723320.34	9.51230 (16122117)	410807.04
3723320.34	9.60639 (16122117)		
410827.04	3723320.34	9.69239 (16122117)	410847.04
3723320.34	9.77846 (16122117)		
410867.04	3723320.34	9.85724 (16122117)	410887.04
3723320.34	9.92921 (16122117)		

410907.04	3723320.34	9.99485	(16122117)	410927.04
3723320.34	10.05673	(16122117)		
410947.04	3723320.34	10.11150	(16122117)	410967.04
3723320.34	10.16002	(16122117)		
410987.04	3723320.34	10.20196	(16122117)	411007.04
3723320.34	10.24040	(16122117)		
411027.04	3723320.34	10.27003	(16122117)	411047.04
3723320.34	10.29131	(16122117)		
411067.04	3723320.34	10.30665	(16122117)	411087.04
3723320.34	10.31769	(16122117)		
411107.04	3723320.34	10.31763	(16122117)	411127.04
3723320.34	10.31247	(16122117)		
411147.04	3723320.34	10.30240	(16122117)	411167.04
3723320.34	10.28500	(16122117)		
411187.04	3723320.34	10.26109	(16122117)	411207.04
3723320.34	10.22741	(16122117)		
411227.04	3723320.34	10.18825	(16122117)	411247.04
3723320.34	10.14212	(16122117)		
411267.04	3723320.34	10.08949	(16122117)	411287.04
3723320.34	10.03011	(16122117)		
411307.04	3723320.34	9.96243	(16122117)	411327.04
3723320.34	9.89011	(16122117)		
411347.04	3723320.34	9.81234	(16122117)	411367.04
3723320.34	9.72608	(16122117)		
411387.04	3723320.34	9.63416	(16122117)	411407.04
3723320.34	9.53523	(16122117)		
411427.04	3723320.34	9.43230	(16122117)	411447.04
3723320.34	9.32565	(16122117)		
411467.04	3723320.34	9.21075	(16122117)	411487.04
3723320.34	9.09238	(16122117)		
410707.04	3723340.34	9.09776	(16122117)	410727.04
3723340.34	9.21096	(16122117)		
410747.04	3723340.34	9.32262	(16122117)	410767.04
3723340.34	9.42584	(16122117)		
410787.04	3723340.34	9.52744	(16122117)	410807.04
3723340.34	9.62439	(16122117)		
410827.04	3723340.34	9.71338	(16122117)	410847.04
3723340.34	9.80207	(16122117)		
410867.04	3723340.34	9.88387	(16122117)	410887.04
3723340.34	9.95925	(16122117)		
410907.04	3723340.34	10.02891	(16122117)	410927.04
3723340.34	10.09301	(16122117)		
410947.04	3723340.34	10.15062	(16122117)	410967.04
3723340.34	10.20149	(16122117)		
410987.04	3723340.34	10.24544	(16122117)	411007.04
3723340.34	10.28676	(16122117)		
411027.04	3723340.34	10.31875	(16122117)	411047.04
3723340.34	10.34315	(16122117)		
411067.04	3723340.34	10.36094	(16122117)	411087.04
3723340.34	10.37454	(16122117)		

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411107.04 3723340.34 10.37811 (16122117) 411127.04
3723340.34 10.37618 (16122117)
411147.04 3723340.34 10.36665 (16122117) 411167.04
3723340.34 10.35148 (16122117)
411187.04 3723340.34 10.33077 (16122117) 411207.04
3723340.34 10.30024 (16122117)
411227.04 3723340.34 10.26319 (16122117) 411247.04
3723340.34 10.21827 (16122117)

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
411267.04	3723340.34	10.16745	(16122117)	411287.04
3723340.34	10.10982	(16122117)		
411307.04	3723340.34	10.04413	(16122117)	411327.04
3723340.34	9.97104	(16122117)		
411347.04	3723340.34	9.89549	(16122117)	411367.04
3723340.34	9.81177	(16122117)		
411387.04	3723340.34	9.72047	(16122117)	411407.04
3723340.34	9.62387	(16122117)		
411427.04	3723340.34	9.51947	(16122117)	411447.04
3723340.34	9.41431	(16122117)		
411467.04	3723340.34	9.30154	(16122117)	411487.04
3723340.34	9.18135	(16122117)		
410707.04	3723360.34	9.10123	(16122117)	410727.04

3723360.34	9.21722 (16122117)		
410747.04	3723360.34	9.33125 (16122117)	410767.04
3723360.34	9.43739 (16122117)		
410787.04	3723360.34	9.54164 (16122117)	410807.04
3723360.34	9.64130 (16122117)		
410827.04	3723360.34	9.73327 (16122117)	410847.04
3723360.34	9.82458 (16122117)		
410867.04	3723360.34	9.90916 (16122117)	410887.04
3723360.34	9.98778 (16122117)		
410907.04	3723360.34	10.06042 (16122117)	410927.04
3723360.34	10.12735 (16122117)		
410947.04	3723360.34	10.18793 (16122117)	410967.04
3723360.34	10.24111 (16122117)		
410987.04	3723360.34	10.28839 (16122117)	411007.04
3723360.34	10.33249 (16122117)		
411027.04	3723360.34	10.36716 (16122117)	411047.04
3723360.34	10.39425 (16122117)		
411067.04	3723360.34	10.41493 (16122117)	411087.04
3723360.34	10.43100 (16122117)		
411107.04	3723360.34	10.43750 (16122117)	411127.04
3723360.34	10.43713 (16122117)		
411147.04	3723360.34	10.43015 (16122117)	411167.04
3723360.34	10.41718 (16122117)		
411187.04	3723360.34	10.39875 (16122117)	411207.04
3723360.34	10.37071 (16122117)		
411227.04	3723360.34	10.33583 (16122117)	411247.04
3723360.34	10.29363 (16122117)		
411267.04	3723360.34	10.24411 (16122117)	411287.04
3723360.34	10.18802 (16122117)		
411307.04	3723360.34	10.12492 (16122117)	411327.04
3723360.34	10.05320 (16122117)		
411347.04	3723360.34	9.97834 (16122117)	411367.04
3723360.34	9.89622 (16122117)		
411387.04	3723360.34	9.80693 (16122117)	411407.04
3723360.34	9.71162 (16122117)		
411427.04	3723360.34	9.60824 (16122117)	411447.04
3723360.34	9.50347 (16122117)		
411467.04	3723360.34	9.39054 (16122117)	411487.04
3723360.34	9.27137 (16122117)		
410707.04	3723380.34	9.10417 (16122117)	410727.04
3723380.34	9.22244 (16122117)		
410747.04	3723380.34	9.33932 (16122117)	410767.04
3723380.34	9.44810 (16122117)		
410787.04	3723380.34	9.55522 (16122117)	410807.04
3723380.34	9.65707 (16122117)		
410827.04	3723380.34	9.75269 (16122117)	410847.04
3723380.34	9.84483 (16122117)		
410867.04	3723380.34	9.93177 (16122117)	410887.04
3723380.34	10.01295 (16122117)		
410907.04	3723380.34	10.08867 (16122117)	410927.04

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3723380.34      10.15831 (16122117)
      410947.04  3723380.34      10.22188 (16122117)      410967.04
3723380.34      10.27918 (16122117)
      410987.04  3723380.34      10.33054 (16122117)      411007.04
3723380.34      10.37728 (16122117)
      411027.04  3723380.34      10.41516 (16122117)      411047.04
3723380.34      10.44464 (16122117)
      411067.04  3723380.34      10.46816 (16122117)      411087.04
3723380.34      10.48729 (16122117)
      411107.04  3723380.34      10.49657 (16122117)      411127.04
3723380.34      10.49796 (16122117)
      411147.04  3723380.34      10.49467 (16122117)      411167.04
3723380.34      10.48537 (16122117)
      411187.04  3723380.34      10.46585 (16122117)      411207.04
3723380.34      10.43993 (16122117)
      411227.04  3723380.34      10.40679 (16122117)      411247.04
3723380.34      10.36662 (16122117)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

```

      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
      L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
      L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
      L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

```

      X-COORD (M) Y-COORD (M)      CONC      (YYMMDDHH)      X-COORD (M)
Y-COORD (M)      CONC      (YYMMDDHH)
-----
      411267.04  3723380.34      10.31927 (16122117)      411287.04
3723380.34      10.26495 (16122117)
      411307.04  3723380.34      10.20360 (16122117)      411327.04
3723380.34      10.13501 (16122117)

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411347.04	3723380.34	10.06042	(16122117)	411367.04
3723380.34	9.97925	(16122117)		
411387.04	3723380.34	9.89158	(16122117)	411407.04
3723380.34	9.79724	(16122117)		
411427.04	3723380.34	9.69649	(16122117)	411447.04
3723380.34	9.59083	(16122117)		
411467.04	3723380.34	9.47931	(16122117)	411487.04
3723380.34	9.36252	(16122117)		
411507.04	3723380.34	9.24049	(16122117)	411527.04
3723380.34	9.11360	(16122117)		
411547.04	3723380.34	8.98158	(16122117)	411567.04
3723380.34	8.84706	(16122117)		
411587.04	3723380.34	8.71530	(16122117)	411607.04
3723380.34	8.56332	(16122117)		
410707.04	3723400.34	9.10617	(16122117)	410727.04
3723400.34	9.22665	(16122117)		
410747.04	3723400.34	9.34644	(16122117)	410767.04
3723400.34	9.45773	(16122117)		
410787.04	3723400.34	9.56754	(16122117)	410807.04
3723400.34	9.67306	(16122117)		
410827.04	3723400.34	9.77238	(16122117)	410847.04
3723400.34	9.86757	(16122117)		
410867.04	3723400.34	9.95743	(16122117)	410887.04
3723400.34	10.04146	(16122117)		
410907.04	3723400.34	10.12009	(16122117)	410927.04
3723400.34	10.19268	(16122117)		
410947.04	3723400.34	10.25926	(16122117)	410967.04
3723400.34	10.31900	(16122117)		
410987.04	3723400.34	10.37207	(16122117)	411007.04
3723400.34	10.42173	(16122117)		
411027.04	3723400.34	10.46258	(16122117)	411047.04
3723400.34	10.49564	(16122117)		
411067.04	3723400.34	10.52228	(16122117)	411087.04
3723400.34	10.54309	(16122117)		
411107.04	3723400.34	10.55405	(16122117)	411127.04
3723400.34	10.55887	(16122117)		
411147.04	3723400.34	10.55742	(16122117)	411167.04
3723400.34	10.55042	(16122117)		
411187.04	3723400.34	10.53563	(16122117)	411207.04
3723400.34	10.51219	(16122117)		
411227.04	3723400.34	10.48162	(16122117)	411247.04
3723400.34	10.44339	(16122117)		
411267.04	3723400.34	10.39807	(16122117)	411287.04
3723400.34	10.34558	(16122117)		
411307.04	3723400.34	10.28630	(16122117)	411327.04
3723400.34	10.21987	(16122117)		
411347.04	3723400.34	10.14675	(16122117)	411367.04
3723400.34	10.06673	(16122117)		
411387.04	3723400.34	9.98034	(16122117)	411407.04
3723400.34	9.88672	(16122117)		

411427.04	3723400.34	9.78725	(16122117)	411447.04
3723400.34	9.68276	(16122117)		
411467.04	3723400.34	9.57213	(16122117)	411487.04
3723400.34	9.45618	(16122117)		
411507.04	3723400.34	9.33219	(16122117)	411527.04
3723400.34	9.20606	(16122117)		
411547.04	3723400.34	9.07322	(16122117)	411567.04
3723400.34	8.93820	(16122117)		
411587.04	3723400.34	8.80652	(16122117)	411607.04
3723400.34	8.66157	(16122117)		
410707.04	3723420.34	9.10647	(16122117)	410727.04
3723420.34	9.22961	(16122117)		
410747.04	3723420.34	9.35180	(16122117)	410767.04
3723420.34	9.46631	(16122117)		
410787.04	3723420.34	9.57948	(16122117)	410807.04
3723420.34	9.68826	(16122117)		
410827.04	3723420.34	9.79062	(16122117)	410847.04
3723420.34	9.88905	(16122117)		
410867.04	3723420.34	9.98130	(16122117)	410887.04
3723420.34	10.06786	(16122117)		
410907.04	3723420.34	10.14893	(16122117)	410927.04
3723420.34	10.22480	(16122117)		
410947.04	3723420.34	10.29500	(16122117)	410967.04
3723420.34	10.35758	(16122117)		
410987.04	3723420.34	10.41286	(16122117)	411007.04
3723420.34	10.46547	(16122117)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411027.04	3723420.34	10.50860	(16122117)	411047.04
3723420.34	10.54458	(16122117)		
411067.04	3723420.34	10.57379	(16122117)	411087.04
3723420.34	10.59733	(16122117)		
411107.04	3723420.34	10.61113	(16122117)	411127.04
3723420.34	10.61851	(16122117)		
411147.04	3723420.34	10.61925	(16122117)	411167.04
3723420.34	10.61455	(16122117)		
411187.04	3723420.34	10.60250	(16122117)	411207.04
3723420.34	10.58164	(16122117)		
411227.04	3723420.34	10.55312	(16122117)	411247.04
3723420.34	10.51687	(16122117)		
411267.04	3723420.34	10.47348	(16122117)	411287.04
3723420.34	10.42318	(16122117)		
411307.04	3723420.34	10.36567	(16122117)	411327.04
3723420.34	10.30105	(16122117)		
411347.04	3723420.34	10.22933	(16122117)	411367.04
3723420.34	10.15082	(16122117)		
411387.04	3723420.34	10.06629	(16122117)	411407.04
3723420.34	9.97359	(16122117)		
411427.04	3723420.34	9.87530	(16122117)	411447.04
3723420.34	9.77161	(16122117)		
411467.04	3723420.34	9.66172	(16122117)	411487.04
3723420.34	9.54621	(16122117)		
411507.04	3723420.34	9.42501	(16122117)	411527.04
3723420.34	9.29922	(16122117)		
411547.04	3723420.34	9.16684	(16122117)	411567.04
3723420.34	9.03075	(16122117)		
411587.04	3723420.34	8.89859	(16122117)	411607.04
3723420.34	8.75825	(16122117)		
410707.04	3723440.34	9.10484	(16122117)	410727.04
3723440.34	9.23198	(16122117)		
410747.04	3723440.34	9.35586	(16122117)	410767.04
3723440.34	9.47401	(16122117)		
410787.04	3723440.34	9.59046	(16122117)	410807.04
3723440.34	9.70186	(16122117)		
410827.04	3723440.34	9.80600	(16122117)	410847.04
3723440.34	9.90864	(16122117)		
410867.04	3723440.34	10.00338	(16122117)	410887.04
3723440.34	10.09125	(16122117)		
410907.04	3723440.34	10.17483	(16122117)	410927.04
3723440.34	10.25559	(16122117)		
410947.04	3723440.34	10.32911	(16122117)	410967.04
3723440.34	10.39435	(16122117)		
410987.04	3723440.34	10.45261	(16122117)	411007.04

3723440.34	10.50824	(16122117)		
411027.04	3723440.34	10.55257	(16122117)	411047.04
3723440.34	10.58979	(16122117)		
411067.04	3723440.34	10.62212	(16122117)	411087.04
3723440.34	10.64977	(16122117)		
411107.04	3723440.34	10.66808	(16122117)	411127.04
3723440.34	10.67734	(16122117)		
411147.04	3723440.34	10.68080	(16122117)	411167.04
3723440.34	10.67936	(16122117)		
411187.04	3723440.34	10.66807	(16122117)	411207.04
3723440.34	10.65057	(16122117)		
411227.04	3723440.34	10.62440	(16122117)	411247.04
3723440.34	10.59059	(16122117)		
411267.04	3723440.34	10.54978	(16122117)	411287.04
3723440.34	10.50098	(16122117)		
411307.04	3723440.34	10.44449	(16122117)	411327.04
3723440.34	10.38213	(16122117)		
411347.04	3723440.34	10.31258	(16122117)	411367.04
3723440.34	10.23576	(16122117)		
411387.04	3723440.34	10.15249	(16122117)	411407.04
3723440.34	10.06193	(16122117)		
411427.04	3723440.34	9.96374	(16122117)	411447.04
3723440.34	9.86053	(16122117)		
411467.04	3723440.34	9.75127	(16122117)	411487.04
3723440.34	9.63832	(16122117)		
411507.04	3723440.34	9.51897	(16122117)	411527.04
3723440.34	9.39296	(16122117)		
411547.04	3723440.34	9.26138	(16122117)	411567.04
3723440.34	9.12369	(16122117)		
411587.04	3723440.34	8.99092	(16122117)	411607.04
3723440.34	8.85372	(16122117)		
410707.04	3723460.34	9.10093	(16122117)	410727.04
3723460.34	9.23086	(16122117)		
410747.04	3723460.34	9.35707	(16122117)	410767.04
3723460.34	9.48006	(16122117)		

▲ *** AERMOD - VERSION 19191 *** ** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** **
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018

, L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410787.04	3723460.34	9.59949	(16122117)	410807.04
3723460.34	9.71418	(16122117)		
410827.04	3723460.34	9.82090	(16122117)	410847.04
3723460.34	9.92675	(16122117)		
410867.04	3723460.34	10.02438	(16122117)	410887.04
3723460.34	10.11570	(16122117)		
410907.04	3723460.34	10.20174	(16122117)	410927.04
3723460.34	10.28567	(16122117)		
410947.04	3723460.34	10.36195	(16122117)	410967.04
3723460.34	10.42997	(16122117)		
410987.04	3723460.34	10.49161	(16122117)	411007.04
3723460.34	10.55020	(16122117)		
411027.04	3723460.34	10.59788	(16122117)	411047.04
3723460.34	10.63833	(16122117)		
411067.04	3723460.34	10.67360	(16122117)	411087.04
3723460.34	10.70362	(16122117)		
411107.04	3723460.34	10.72522	(16122117)	411127.04
3723460.34	10.73721	(16122117)		
411147.04	3723460.34	10.74351	(16122117)	411167.04
3723460.34	10.74419	(16122117)		
411187.04	3723460.34	10.73619	(16122117)	411207.04
3723460.34	10.72281	(16122117)		
411227.04	3723460.34	10.69895	(16122117)	411247.04
3723460.34	10.66788	(16122117)		
411267.04	3723460.34	10.62933	(16122117)	411287.04
3723460.34	10.58203	(16122117)		
411307.04	3723460.34	10.52532	(16122117)	411327.04
3723460.34	10.46631	(16122117)		
411347.04	3723460.34	10.39920	(16122117)	411367.04
3723460.34	10.32412	(16122117)		
411387.04	3723460.34	10.24219	(16122117)	411407.04
3723460.34	10.15290	(16122117)		
411427.04	3723460.34	10.05445	(16122117)	411447.04
3723460.34	9.95224	(16122117)		
411467.04	3723460.34	9.84444	(16122117)	411487.04
3723460.34	9.73345	(16122117)		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411467.04	3723480.34	9.93782	(16122117)	411487.04
3723480.34	9.82760	(16122117)		
411507.04	3723480.34	9.70923	(16122117)	411527.04
3723480.34	9.58333	(16122117)		
411547.04	3723480.34	9.45345	(16122117)	411567.04
3723480.34	9.31557	(16122117)		
411587.04	3723480.34	9.17759	(16122117)	411607.04
3723480.34	9.04380	(16122117)		
410707.04	3723500.34	9.09742	(16122117)	410727.04
3723500.34	9.23286	(16122117)		
410747.04	3723500.34	9.36424	(16122117)	410767.04
3723500.34	9.49059	(16122117)		
410787.04	3723500.34	9.61523	(16122117)	410807.04
3723500.34	9.73518	(16122117)		
410827.04	3723500.34	9.84779	(16122117)	410847.04
3723500.34	9.95960	(16122117)		
410867.04	3723500.34	10.06359	(16122117)	410887.04
3723500.34	10.16069	(16122117)		
410907.04	3723500.34	10.25296	(16122117)	410927.04
3723500.34	10.34322	(16122117)		
410947.04	3723500.34	10.42537	(16122117)	410967.04
3723500.34	10.49914	(16122117)		
410987.04	3723500.34	10.56711	(16122117)	411007.04
3723500.34	10.63164	(16122117)		
411027.04	3723500.34	10.68615	(16122117)	411047.04
3723500.34	10.73260	(16122117)		
411067.04	3723500.34	10.77395	(16122117)	411087.04

3723500.34	10.81047	(16122117)		
411107.04	3723500.34	10.83765	(16122117)	411127.04
3723500.34	10.85524	(16122117)		
411147.04	3723500.34	10.86710	(16122117)	411167.04
3723500.34	10.87350	(16122117)		
411187.04	3723500.34	10.87113	(16122117)	411207.04
3723500.34	10.86303	(16122117)		
411227.04	3723500.34	10.84406	(16122117)	411247.04
3723500.34	10.81755	(16122117)		
411267.04	3723500.34	10.78360	(16122117)	411287.04
3723500.34	10.74063	(16122117)		
411307.04	3723500.34	10.68874	(16122117)	411327.04
3723500.34	10.63337	(16122117)		
411347.04	3723500.34	10.57031	(16122117)	411367.04
3723500.34	10.49803	(16122117)		
411387.04	3723500.34	10.41909	(16122117)	411407.04
3723500.34	10.33304	(16122117)		
411427.04	3723500.34	10.23745	(16122117)	411447.04
3723500.34	10.13773	(16122117)		
411467.04	3723500.34	10.03210	(16122117)	411487.04
3723500.34	9.92268	(16122117)		
411507.04	3723500.34	9.80461	(16122117)	411527.04
3723500.34	9.67981	(16122117)		
411547.04	3723500.34	9.55015	(16122117)	411567.04
3723500.34	9.41352	(16122117)		
411587.04	3723500.34	9.27362	(16122117)	411607.04
3723500.34	9.13845	(16122117)		
410707.04	3723520.34	9.09208	(16122117)	410727.04
3723520.34	9.23008	(16122117)		
410747.04	3723520.34	9.36435	(16122117)	410767.04
3723520.34	9.49385	(16122117)		
410787.04	3723520.34	9.62126	(16122117)	410807.04
3723520.34	9.74427	(16122117)		
410827.04	3723520.34	9.85969	(16122117)	410847.04
3723520.34	9.97477	(16122117)		
410867.04	3723520.34	10.08148	(16122117)	410887.04
3723520.34	10.18174	(16122117)		
410907.04	3723520.34	10.27701	(16122117)	410927.04
3723520.34	10.37039	(16122117)		
410947.04	3723520.34	10.45559	(16122117)	410967.04
3723520.34	10.53282	(16122117)		
410987.04	3723520.34	10.60355	(16122117)	411007.04
3723520.34	10.67143	(16122117)		
411027.04	3723520.34	10.72890	(16122117)	411047.04
3723520.34	10.77872	(16122117)		
411067.04	3723520.34	10.82304	(16122117)	411087.04
3723520.34	10.86241	(16122117)		
411107.04	3723520.34	10.89284	(16122117)	411127.04
3723520.34	10.91352	(16122117)		
411147.04	3723520.34	10.92823	(16122117)	411167.04

3723520.34 10.93742 (16122117)
 411187.04 3723520.34 10.93833 (16122117) 411207.04
 3723520.34 10.93277 (16122117)
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411227.04	3723520.34	10.91729	(16122117)	411247.04
3723520.34	10.89238	(16122117)		
411267.04	3723520.34	10.86020	(16122117)	411287.04
3723520.34	10.81993	(16122117)		
411307.04	3723520.34	10.77221	(16122117)	411327.04
3723520.34	10.71790	(16122117)		
411347.04	3723520.34	10.65548	(16122117)	411367.04
3723520.34	10.58534	(16122117)		
411387.04	3723520.34	10.50803	(16122117)	411407.04
3723520.34	10.42488	(16122117)		
411427.04	3723520.34	10.33173	(16122117)	411447.04
3723520.34	10.23490	(16122117)		
411467.04	3723520.34	10.13024	(16122117)	411487.04
3723520.34	10.02147	(16122117)		
411507.04	3723520.34	9.90570	(16122117)	411527.04
3723520.34	9.77884	(16122117)		
411547.04	3723520.34	9.64741	(16122117)	411567.04
3723520.34	9.51245	(16122117)		

411587.04	3723520.34	9.37109	(16122117)	411607.04
3723520.34	9.23351	(16122117)		
410707.04	3723540.34	9.08447	(16122117)	410727.04
3723540.34	9.22502	(16122117)		
410747.04	3723540.34	9.36227	(16122117)	410767.04
3723540.34	9.49592	(16122117)		
410787.04	3723540.34	9.62629	(16122117)	410807.04
3723540.34	9.75214	(16122117)		
410827.04	3723540.34	9.87068	(16122117)	410847.04
3723540.34	9.98846	(16122117)		
410867.04	3723540.34	10.09853	(16122117)	410887.04
3723540.34	10.20174	(16122117)		
410907.04	3723540.34	10.30024	(16122117)	410927.04
3723540.34	10.39676	(16122117)		
410947.04	3723540.34	10.48468	(16122117)	410967.04
3723540.34	10.56480	(16122117)		
410987.04	3723540.34	10.63908	(16122117)	411007.04
3723540.34	10.71025	(16122117)		
411027.04	3723540.34	10.77128	(16122117)	411047.04
3723540.34	10.82406	(16122117)		
411067.04	3723540.34	10.87175	(16122117)	411087.04
3723540.34	10.91414	(16122117)		
411107.04	3723540.34	10.94763	(16122117)	411127.04
3723540.34	10.97113	(16122117)		
411147.04	3723540.34	10.98909	(16122117)	411167.04
3723540.34	11.00125	(16122117)		
411187.04	3723540.34	11.00477	(16122117)	411207.04
3723540.34	11.00220	(16122117)		
411227.04	3723540.34	10.98816	(16122117)	411247.04
3723540.34	10.96681	(16122117)		
411267.04	3723540.34	10.93736	(16122117)	411287.04
3723540.34	10.89916	(16122117)		
411307.04	3723540.34	10.85226	(16122117)	411327.04
3723540.34	10.80084	(16122117)		
411347.04	3723540.34	10.74105	(16122117)	411367.04
3723540.34	10.67307	(16122117)		
411387.04	3723540.34	10.59784	(16122117)	411407.04
3723540.34	10.51485	(16122117)		
411427.04	3723540.34	10.42232	(16122117)	411447.04
3723540.34	10.32539	(16122117)		
411467.04	3723540.34	10.22215	(16122117)	411487.04
3723540.34	10.11483	(16122117)		
411507.04	3723540.34	9.99898	(16122117)	411527.04
3723540.34	9.87501	(16122117)		
411547.04	3723540.34	9.74564	(16122117)	411567.04
3723540.34	9.61185	(16122117)		
411587.04	3723540.34	9.47007	(16122117)	411607.04
3723540.34	9.33000	(16122117)		
410707.04	3723560.34	9.07923	(16122117)	410727.04
3723560.34	9.22214	(16122117)		

410747.04	3723560.34	9.36214	(16122117)	410767.04
3723560.34	9.49724	(16122117)		
410787.04	3723560.34	9.62993	(16122117)	410807.04
3723560.34	9.75848	(16122117)		
410827.04	3723560.34	9.88017	(16122117)	410847.04
3723560.34	10.00103	(16122117)		
410867.04	3723560.34	10.11383	(16122117)	410887.04
3723560.34	10.22081	(16122117)		
410907.04	3723560.34	10.32231	(16122117)	410927.04
3723560.34	10.42189	(16122117)		
410947.04	3723560.34	10.51330	(16122117)	410967.04
3723560.34	10.59641	(16122117)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

*** AERMET - VERSION 16216 *** ***
 *** 16:48:31

PAGE 485

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410987.04	3723560.34	10.67385	(16122117)	411007.04
3723560.34	10.74824	(16122117)		
411027.04	3723560.34	10.81236	(16122117)	411047.04
3723560.34	10.86879	(16122117)		
411067.04	3723560.34	10.91949	(16122117)	411087.04
3723560.34	10.96494	(16122117)		
411107.04	3723560.34	11.00167	(16122117)	411127.04
3723560.34	11.02839	(16122117)		
411147.04	3723560.34	11.04917	(16122117)	411167.04

3723560.34	11.06456	(16122117)		
411187.04	3723560.34	11.07085	(16122117)	411207.04
3723560.34	11.07108	(16122117)		
411227.04	3723560.34	11.06024	(16122117)	411247.04
3723560.34	11.04163	(16122117)		
411267.04	3723560.34	11.01481	(16122117)	411287.04
3723560.34	10.97836	(16122117)		
411307.04	3723560.34	10.93328	(16122117)	411327.04
3723560.34	10.88437	(16122117)		
411347.04	3723560.34	10.82740	(16122117)	411367.04
3723560.34	10.76175	(16122117)		
411387.04	3723560.34	10.68806	(16122117)	411407.04
3723560.34	10.60670	(16122117)		
411427.04	3723560.34	10.51459	(16122117)	411447.04
3723560.34	10.41876	(16122117)		
411467.04	3723560.34	10.31651	(16122117)	411487.04
3723560.34	10.21086	(16122117)		
411507.04	3723560.34	10.09445	(16122117)	411527.04
3723560.34	9.97118	(16122117)		
411547.04	3723560.34	9.84521	(16122117)	411567.04
3723560.34	9.71188	(16122117)		
411587.04	3723560.34	9.57017	(16122117)	411607.04
3723560.34	9.42827	(16122117)		
410707.04	3723580.34	9.07179	(16122117)	410727.04
3723580.34	9.21745	(16122117)		
410747.04	3723580.34	9.36046	(16122117)	410767.04
3723580.34	9.49753	(16122117)		
410787.04	3723580.34	9.63189	(16122117)	410807.04
3723580.34	9.76290	(16122117)		
410827.04	3723580.34	9.88789	(16122117)	410847.04
3723580.34	10.00970	(16122117)		
410867.04	3723580.34	10.12615	(16122117)	410887.04
3723580.34	10.23738	(16122117)		
410907.04	3723580.34	10.34291	(16122117)	410927.04
3723580.34	10.44377	(16122117)		
410947.04	3723580.34	10.53807	(16122117)	410967.04
3723580.34	10.62564	(16122117)		
410987.04	3723580.34	10.70713	(16122117)	411007.04
3723580.34	10.78276	(16122117)		
411027.04	3723580.34	10.85079	(16122117)	411047.04
3723580.34	10.91161	(16122117)		
411067.04	3723580.34	10.96540	(16122117)	411087.04
3723580.34	11.01264	(16122117)		
411107.04	3723580.34	11.05207	(16122117)	411127.04
3723580.34	11.08392	(16122117)		
411147.04	3723580.34	11.10815	(16122117)	411167.04
3723580.34	11.12707	(16122117)		
411187.04	3723580.34	11.13657	(16122117)	411207.04
3723580.34	11.13976	(16122117)		
411227.04	3723580.34	11.13175	(16122117)	411247.04


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3723580.34      11.11583 (16122117)
      411267.04  3723580.34      11.09243 (16122117)      411287.04
3723580.34      11.05791 (16122117)
      411307.04  3723580.34      11.01483 (16122117)      411327.04
3723580.34      10.96815 (16122117)
      411347.04  3723580.34      10.91357 (16122117)      411367.04
3723580.34      10.84966 (16122117)
      411387.04  3723580.34      10.77852 (16122117)      411407.04
3723580.34      10.69857 (16122117)
      411427.04  3723580.34      10.60784 (16122117)      411447.04
3723580.34      10.51347 (16122117)
      411467.04  3723580.34      10.41254 (16122117)      411487.04
3723580.34      10.30773 (16122117)
      411507.04  3723580.34      10.19266 (16122117)      411527.04
3723580.34      10.07019 (16122117)
      411547.04  3723580.34      9.94497 (16122117)      411567.04
3723580.34      9.81238 (16122117)
      411587.04  3723580.34      9.67141 (16122117)      411607.04
3723580.34      9.52832 (16122117)
      410707.04  3723600.34      9.06179 (16122117)      410727.04
3723600.34      9.21009 (16122117)

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^ *** AERMOD - VERSION 19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
          ***                               05/26/20
*** AERMET - VERSION 16216 ***   ***
          ***                               16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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          *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
          INCLUDING SOURCE(S):      L0000001      , L0000002
, L0000003      , L0000004      , L0000005      ,
          L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
          L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
          L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

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          X-COORD (M)  Y-COORD (M)          CONC      (YMMMDDHH)          X-COORD (M)
Y-COORD (M)          CONC      (YMMMDDHH)
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410747.04	3723600.34	9.35496	(16122117)	410767.04
3723600.34	9.49614	(16122117)		
410787.04	3723600.34	9.63484	(16122117)	410807.04
3723600.34	9.76972	(16122117)		
410827.04	3723600.34	9.89798	(16122117)	410847.04
3723600.34	10.02200	(16122117)		
410867.04	3723600.34	10.14197	(16122117)	410887.04
3723600.34	10.25600	(16122117)		
410907.04	3723600.34	10.36538	(16122117)	410927.04
3723600.34	10.46897	(16122117)		
410947.04	3723600.34	10.56634	(16122117)	410967.04
3723600.34	10.65787	(16122117)		
410987.04	3723600.34	10.74283	(16122117)	411007.04
3723600.34	10.82115	(16122117)		
411027.04	3723600.34	10.89281	(16122117)	411047.04
3723600.34	10.95726	(16122117)		
411067.04	3723600.34	11.01210	(16122117)	411087.04
3723600.34	11.06377	(16122117)		
411107.04	3723600.34	11.10673	(16122117)	411127.04
3723600.34	11.14183	(16122117)		
411147.04	3723600.34	11.16901	(16122117)	411167.04
3723600.34	11.18936	(16122117)		
411187.04	3723600.34	11.20217	(16122117)	411207.04
3723600.34	11.20697	(16122117)		
411227.04	3723600.34	11.20198	(16122117)	411247.04
3723600.34	11.18836	(16122117)		
411267.04	3723600.34	11.16708	(16122117)	411287.04
3723600.34	11.13624	(16122117)		
411307.04	3723600.34	11.09698	(16122117)	411327.04
3723600.34	11.05188	(16122117)		
411347.04	3723600.34	10.99878	(16122117)	411367.04
3723600.34	10.93655	(16122117)		
411387.04	3723600.34	10.86710	(16122117)	411407.04
3723600.34	10.78946	(16122117)		
411427.04	3723600.34	10.70167	(16122117)	411447.04
3723600.34	10.60895	(16122117)		
411467.04	3723600.34	10.50910	(16122117)	411487.04
3723600.34	10.40448	(16122117)		
411507.04	3723600.34	10.29061	(16122117)	411527.04
3723600.34	10.17000	(16122117)		
411547.04	3723600.34	10.04532	(16122117)	411567.04
3723600.34	9.91352	(16122117)		
411587.04	3723600.34	9.77379	(16122117)	411607.04
3723600.34	9.63048	(16122117)		
410707.04	3723620.34	9.04980	(16122117)	410727.04
3723620.34	9.20081	(16122117)		
410747.04	3723620.34	9.34894	(16122117)	410767.04
3723620.34	9.49364	(16122117)		
410787.04	3723620.34	9.63598	(16122117)	410807.04
3723620.34	9.77457	(16122117)		

410827.04	3723620.34	9.90639	(16122117)	410847.04
3723620.34	10.03386	(16122117)		
410867.04	3723620.34	10.15692	(16122117)	410887.04
3723620.34	10.27472	(16122117)		
410907.04	3723620.34	10.38764	(16122117)	410927.04
3723620.34	10.49367	(16122117)		
410947.04	3723620.34	10.59435	(16122117)	410967.04
3723620.34	10.68924	(16122117)		
410987.04	3723620.34	10.77774	(16122117)	411007.04
3723620.34	10.85934	(16122117)		
411027.04	3723620.34	10.93416	(16122117)	411047.04
3723620.34	11.00187	(16122117)		
411067.04	3723620.34	11.05878	(16122117)	411087.04
3723620.34	11.11431	(16122117)		
411107.04	3723620.34	11.16103	(16122117)	411127.04
3723620.34	11.19955	(16122117)		
411147.04	3723620.34	11.22997	(16122117)	411167.04
3723620.34	11.25207	(16122117)		
411187.04	3723620.34	11.26682	(16122117)	411207.04
3723620.34	11.27240	(16122117)		
411227.04	3723620.34	11.27014	(16122117)	411247.04
3723620.34	11.25962	(16122117)		
411267.04	3723620.34	11.24065	(16122117)	411287.04
3723620.34	11.21321	(16122117)		
411307.04	3723620.34	11.17771	(16122117)	411327.04
3723620.34	11.13398	(16122117)		
411347.04	3723620.34	11.08246	(16122117)	411367.04
3723620.34	11.02237	(16122117)		
411387.04	3723620.34	10.95447	(16122117)	411407.04
3723620.34	10.87864	(16122117)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411427.04	3723620.34	10.79527	(16122117)	411447.04
3723620.34	10.70439	(16122117)		
411467.04	3723620.34	10.60586	(16122117)	411487.04
3723620.34	10.50019	(16122117)		
411507.04	3723620.34	10.38800	(16122117)	411527.04
3723620.34	10.26987	(16122117)		
411547.04	3723620.34	10.14702	(16122117)	411567.04
3723620.34	10.01552	(16122117)		
411587.04	3723620.34	9.87704	(16122117)	411607.04
3723620.34	9.73371	(16122117)		
410707.04	3723640.34	9.04029	(16122117)	410727.04
3723640.34	9.19335	(16122117)		
410747.04	3723640.34	9.34409	(16122117)	410767.04
3723640.34	9.49038	(16122117)		
410787.04	3723640.34	9.63576	(16122117)	410807.04
3723640.34	9.77768	(16122117)		
410827.04	3723640.34	9.91284	(16122117)	410847.04
3723640.34	10.04420	(16122117)		
410867.04	3723640.34	10.17112	(16122117)	410887.04
3723640.34	10.29210	(16122117)		
410907.04	3723640.34	10.40782	(16122117)	410927.04
3723640.34	10.51718	(16122117)		
410947.04	3723640.34	10.62015	(16122117)	410967.04
3723640.34	10.71826	(16122117)		
410987.04	3723640.34	10.81065	(16122117)	411007.04
3723640.34	10.89551	(16122117)		
411027.04	3723640.34	10.97391	(16122117)	411047.04
3723640.34	11.04464	(16122117)		
411067.04	3723640.34	11.10536	(16122117)	411087.04
3723640.34	11.16398	(16122117)		
411107.04	3723640.34	11.21337	(16122117)	411127.04
3723640.34	11.25513	(16122117)		
411147.04	3723640.34	11.28826	(16122117)	411167.04
3723640.34	11.31331	(16122117)		
411187.04	3723640.34	11.33058	(16122117)	411207.04
3723640.34	11.33908	(16122117)		
411227.04	3723640.34	11.34059	(16122117)	411247.04
3723640.34	11.33327	(16122117)		
411267.04	3723640.34	11.31734	(16122117)	411287.04
3723640.34	11.29297	(16122117)		
411307.04	3723640.34	11.26023	(16122117)	411327.04

3723640.34	11.21928	(16122117)		
411347.04	3723640.34	11.16974	(16122117)	411367.04
3723640.34	11.11254	(16122117)		
411387.04	3723640.34	11.04618	(16122117)	411407.04
3723640.34	10.97304	(16122117)		
411427.04	3723640.34	10.89225	(16122117)	411447.04
3723640.34	10.80162	(16122117)		
411467.04	3723640.34	10.70569	(16122117)	411487.04
3723640.34	10.60295	(16122117)		
411507.04	3723640.34	10.49227	(16122117)	411527.04
3723640.34	10.37486	(16122117)		
411547.04	3723640.34	10.25041	(16122117)	411567.04
3723640.34	10.11837	(16122117)		
411587.04	3723640.34	9.98100	(16122117)	411607.04
3723640.34	9.83721	(16122117)		
410707.04	3723660.34	9.02762	(16122117)	410727.04
3723660.34	9.18407	(16122117)		
410747.04	3723660.34	9.33777	(16122117)	410767.04
3723660.34	9.48593	(16122117)		
410787.04	3723660.34	9.63435	(16122117)	410807.04
3723660.34	9.77819	(16122117)		
410827.04	3723660.34	9.91547	(16122117)	410847.04
3723660.34	10.04999	(16122117)		
410867.04	3723660.34	10.17986	(16122117)	410887.04
3723660.34	10.30453	(16122117)		
410907.04	3723660.34	10.42392	(16122117)	410927.04
3723660.34	10.53730	(16122117)		
410947.04	3723660.34	10.64159	(16122117)	410967.04
3723660.34	10.74285	(16122117)		
410987.04	3723660.34	10.83831	(16122117)	411007.04
3723660.34	10.92672	(16122117)		
411027.04	3723660.34	11.00848	(16122117)	411047.04
3723660.34	11.08300	(16122117)		
411067.04	3723660.34	11.14964	(16122117)	411087.04
3723660.34	11.20974	(16122117)		
411107.04	3723660.34	11.26227	(16122117)	411127.04
3723660.34	11.30662	(16122117)		
411147.04	3723660.34	11.34309	(16122117)	411167.04
3723660.34	11.37160	(16122117)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002

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, L0000003      , L0000004      , L0000005      ,
                  L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
                  L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
                  L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .          ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411187.04	3723660.34	11.39173	(16122117)	411207.04
3723660.34	11.40343	(16122117)		
411227.04	3723660.34	11.40925	(16122117)	411247.04
3723660.34	11.40602	(16122117)		
411267.04	3723660.34	11.39456	(16122117)	411287.04
3723660.34	11.37476	(16122117)		
411307.04	3723660.34	11.34445	(16122117)	411327.04
3723660.34	11.30574	(16122117)		
411347.04	3723660.34	11.25886	(16122117)	411367.04
3723660.34	11.20304	(16122117)		
411387.04	3723660.34	11.14017	(16122117)	411407.04
3723660.34	11.06854	(16122117)		
411427.04	3723660.34	10.98848	(16122117)	411447.04
3723660.34	10.89830	(16122117)		
411467.04	3723660.34	10.80462	(16122117)	411487.04
3723660.34	10.70440	(16122117)		
411507.04	3723660.34	10.59467	(16122117)	411527.04
3723660.34	10.47801	(16122117)		
411547.04	3723660.34	10.35416	(16122117)	411567.04
3723660.34	10.22196	(16122117)		
411587.04	3723660.34	10.08549	(16122117)	411607.04
3723660.34	9.94199	(16122117)		
410907.04	3723680.34	10.44140	(16122117)	410927.04
3723680.34	10.55696	(16122117)		
410947.04	3723680.34	10.66610	(16122117)	410967.04
3723680.34	10.77088	(16122117)		
410987.04	3723680.34	10.86960	(16122117)	411007.04
3723680.34	10.96174	(16122117)		
411027.04	3723680.34	11.04695	(16122117)	411047.04
3723680.34	11.12533	(16122117)		
411067.04	3723680.34	11.19551	(16122117)	411087.04
3723680.34	11.25836	(16122117)		

411107.04	3723680.34	11.31422	(16122117)	411127.04
3723680.34	11.36143	(16122117)		
411147.04	3723680.34	11.40253	(16122117)	411167.04
3723680.34	11.43505	(16122117)		
411187.04	3723680.34	11.45701	(16122117)	411207.04
3723680.34	11.47000	(16122117)		
411227.04	3723680.34	11.47863	(16122117)	411247.04
3723680.34	11.47884	(16122117)		
411267.04	3723680.34	11.47089	(16122117)	411287.04
3723680.34	11.45381	(16122117)		
411307.04	3723680.34	11.42628	(16122117)	411327.04
3723680.34	11.39042	(16122117)		
411347.04	3723680.34	11.34604	(16122117)	411367.04
3723680.34	11.29360	(16122117)		
411387.04	3723680.34	11.23205	(16122117)	411407.04
3723680.34	11.16246	(16122117)		
411427.04	3723680.34	11.08423	(16122117)	411447.04
3723680.34	10.99749	(16122117)		
411467.04	3723680.34	10.90499	(16122117)	411487.04
3723680.34	10.80467	(16122117)		
411507.04	3723680.34	10.69448	(16122117)	411527.04
3723680.34	10.57897	(16122117)		
411547.04	3723680.34	10.45850	(16122117)	411567.04
3723680.34	10.32634	(16122117)		
411587.04	3723680.34	10.19083	(16122117)	411607.04
3723680.34	10.04973	(16122117)		
410907.04	3723700.34	10.45638	(16122117)	410927.04
3723700.34	10.57498	(16122117)		
410947.04	3723700.34	10.68845	(16122117)	410967.04
3723700.34	10.79616	(16122117)		
410987.04	3723700.34	10.89843	(16122117)	411007.04
3723700.34	10.99420	(16122117)		
411027.04	3723700.34	11.08277	(16122117)	411047.04
3723700.34	11.16404	(16122117)		
411067.04	3723700.34	11.23927	(16122117)	411087.04
3723700.34	11.30591	(16122117)		
411107.04	3723700.34	11.36515	(16122117)	411127.04
3723700.34	11.41504	(16122117)		
411147.04	3723700.34	11.45930	(16122117)	411167.04
3723700.34	11.49533	(16122117)		
411187.04	3723700.34	11.51989	(16122117)	411207.04
3723700.34	11.53590	(16122117)		
411227.04	3723700.34	11.54839	(16122117)	411247.04
3723700.34	11.55132	(16122117)		
411267.04	3723700.34	11.54628	(16122117)	411287.04
3723700.34	11.53232	(16122117)		
411307.04	3723700.34	11.50740	(16122117)	411327.04
3723700.34	11.47416	(16122117)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
411347.04	3723700.34	11.43252 (16122117)	411367.04
3723700.34	11.38156 (16122117)		
411387.04	3723700.34	11.32304 (16122117)	411407.04
3723700.34	11.25543 (16122117)		
411427.04	3723700.34	11.17927 (16122117)	411447.04
3723700.34	11.09313 (16122117)		
411467.04	3723700.34	11.00308 (16122117)	411487.04
3723700.34	10.90506 (16122117)		
411507.04	3723700.34	10.79637 (16122117)	411527.04
3723700.34	10.68228 (16122117)		
411547.04	3723700.34	10.56252 (16122117)	411567.04
3723700.34	10.43156 (16122117)		
411587.04	3723700.34	10.29702 (16122117)	411607.04
3723700.34	10.15629 (16122117)		
410907.04	3723720.34	10.46902 (16122117)	410927.04
3723720.34	10.59153 (16122117)		
410947.04	3723720.34	10.70886 (16122117)	410967.04
3723720.34	10.81956 (16122117)		
410987.04	3723720.34	10.92420 (16122117)	411007.04
3723720.34	11.02321 (16122117)		
411027.04	3723720.34	11.11573 (16122117)	411047.04
3723720.34	11.20023 (16122117)		
411067.04	3723720.34	11.28114 (16122117)	411087.04

3723720.34	11.35169	(16122117)		
411107.04	3723720.34	11.41388	(16122117)	411127.04
3723720.34	11.46708	(16122117)		
411147.04	3723720.34	11.51471	(16122117)	411167.04
3723720.34	11.55449	(16122117)		
411187.04	3723720.34	11.58260	(16122117)	411207.04
3723720.34	11.60198	(16122117)		
411227.04	3723720.34	11.61773	(16122117)	411247.04
3723720.34	11.62351	(16122117)		
411267.04	3723720.34	11.62106	(16122117)	411287.04
3723720.34	11.60893	(16122117)		
411307.04	3723720.34	11.58762	(16122117)	411327.04
3723720.34	11.55727	(16122117)		
411347.04	3723720.34	11.51745	(16122117)	411367.04
3723720.34	11.46980	(16122117)		
411387.04	3723720.34	11.41292	(16122117)	411407.04
3723720.34	11.34811	(16122117)		
411427.04	3723720.34	11.27422	(16122117)	411447.04
3723720.34	11.19047	(16122117)		
411467.04	3723720.34	11.10181	(16122117)	411487.04
3723720.34	11.00572	(16122117)		
411507.04	3723720.34	10.90010	(16122117)	411527.04
3723720.34	10.78712	(16122117)		
411547.04	3723720.34	10.66691	(16122117)	411567.04
3723720.34	10.53750	(16122117)		
411587.04	3723720.34	10.40400	(16122117)	411607.04
3723720.34	10.26402	(16122117)		
410907.04	3723740.34	10.48162	(16122117)	410927.04
3723740.34	10.60741	(16122117)		
410947.04	3723740.34	10.72849	(16122117)	410967.04
3723740.34	10.84388	(16122117)		
410987.04	3723740.34	10.95196	(16122117)	411007.04
3723740.34	11.05359	(16122117)		
411027.04	3723740.34	11.14972	(16122117)	411047.04
3723740.34	11.23748	(16122117)		
411067.04	3723740.34	11.32046	(16122117)	411087.04
3723740.34	11.39547	(16122117)		
411107.04	3723740.34	11.46148	(16122117)	411127.04
3723740.34	11.51822	(16122117)		
411147.04	3723740.34	11.56946	(16122117)	411167.04
3723740.34	11.61307	(16122117)		
411187.04	3723740.34	11.64486	(16122117)	411207.04
3723740.34	11.66754	(16122117)		
411227.04	3723740.34	11.68701	(16122117)	411247.04
3723740.34	11.69577	(16122117)		
411267.04	3723740.34	11.69525	(16122117)	411287.04
3723740.34	11.68573	(16122117)		
411307.04	3723740.34	11.66685	(16122117)	411327.04
3723740.34	11.63920	(16122117)		
411347.04	3723740.34	11.60312	(16122117)	411367.04

3723740.34 11.55741 (16122117)
 411387.04 3723740.34 11.50311 (16122117) 411407.04
 3723740.34 11.44050 (16122117)
 411427.04 3723740.34 11.36993 (16122117) 411447.04
 3723740.34 11.29049 (16122117)
 411467.04 3723740.34 11.20292 (16122117) 411487.04
 3723740.34 11.10742 (16122117)

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
411507.04	3723740.34	11.00333 (16122117)	411527.04		
3723740.34	10.89096 (16122117)				
411547.04	3723740.34	10.77190 (16122117)	411567.04		
3723740.34	10.64421 (16122117)				
411587.04	3723740.34	10.51159 (16122117)	411607.04		
3723740.34	10.37209 (16122117)				
410907.04	3723760.34	10.49185 (16122117)	410927.04		
3723760.34	10.62077 (16122117)				
410947.04	3723760.34	10.74492 (16122117)	410967.04		
3723760.34	10.86445 (16122117)				
410987.04	3723760.34	10.97706 (16122117)	411007.04		
3723760.34	11.08170 (16122117)				
411027.04	3723760.34	11.18146 (16122117)	411047.04		
3723760.34	11.27316 (16122117)				

411067.04	3723760.34	11.36007	(16122117)	411087.04
3723760.34	11.43880	(16122117)		
411107.04	3723760.34	11.50846	(16122117)	411127.04
3723760.34	11.56861	(16122117)		
411147.04	3723760.34	11.62332	(16122117)	411167.04
3723760.34	11.67076	(16122117)		
411187.04	3723760.34	11.70657	(16122117)	411207.04
3723760.34	11.73255	(16122117)		
411227.04	3723760.34	11.75522	(16122117)	411247.04
3723760.34	11.76775	(16122117)		
411267.04	3723760.34	11.77058	(16122117)	411287.04
3723760.34	11.76438	(16122117)		
411307.04	3723760.34	11.74911	(16122117)	411327.04
3723760.34	11.72457	(16122117)		
411347.04	3723760.34	11.69229	(16122117)	411367.04
3723760.34	11.64938	(16122117)		
411387.04	3723760.34	11.59818	(16122117)	411407.04
3723760.34	11.53674	(16122117)		
411427.04	3723760.34	11.46902	(16122117)	411447.04
3723760.34	11.39274	(16122117)		
411467.04	3723760.34	11.30537	(16122117)	411487.04
3723760.34	11.21071	(16122117)		
411507.04	3723760.34	11.10804	(16122117)	411527.04
3723760.34	10.99806	(16122117)		
411547.04	3723760.34	10.87901	(16122117)	411567.04
3723760.34	10.75192	(16122117)		
411587.04	3723760.34	10.61970	(16122117)	411607.04
3723760.34	10.48160	(16122117)		
410907.04	3723780.34	10.50126	(16122117)	410927.04
3723780.34	10.63339	(16122117)		
410947.04	3723780.34	10.76195	(16122117)	410967.04
3723780.34	10.88472	(16122117)		
410987.04	3723780.34	11.00013	(16122117)	411007.04
3723780.34	11.11071	(16122117)		
411027.04	3723780.34	11.21327	(16122117)	411047.04
3723780.34	11.30811	(16122117)		
411067.04	3723780.34	11.39912	(16122117)	411087.04
3723780.34	11.48126	(16122117)		
411107.04	3723780.34	11.55429	(16122117)	411127.04
3723780.34	11.61716	(16122117)		
411147.04	3723780.34	11.67673	(16122117)	411167.04
3723780.34	11.72794	(16122117)		
411187.04	3723780.34	11.76777	(16122117)	411207.04
3723780.34	11.79704	(16122117)		
411227.04	3723780.34	11.82325	(16122117)	411247.04
3723780.34	11.83897	(16122117)		
411267.04	3723780.34	11.84423	(16122117)	411287.04
3723780.34	11.84137	(16122117)		
411307.04	3723780.34	11.82933	(16122117)	411327.04
3723780.34	11.80764	(16122117)		

411347.04	3723780.34	11.77865	(16122117)	411367.04
3723780.34	11.73918	(16122117)		
411387.04	3723780.34	11.69059	(16122117)	411407.04
3723780.34	11.63084	(16122117)		
411427.04	3723780.34	11.56528	(16122117)	411447.04
3723780.34	11.49077	(16122117)		
411467.04	3723780.34	11.40576	(16122117)	411487.04
3723780.34	11.31350	(16122117)		
411507.04	3723780.34	11.21258	(16122117)	411527.04
3723780.34	11.10536	(16122117)		
411547.04	3723780.34	10.98747	(16122117)	411567.04
3723780.34	10.86070	(16122117)		
411587.04	3723780.34	10.72880	(16122117)	411607.04
3723780.34	10.59342	(16122117)		
410907.04	3723800.34	10.50735	(16122117)	410927.04
3723800.34	10.64390	(16122117)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCP1 * **
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410947.04	3723800.34	10.77684	(16122117)	410967.04
3723800.34	10.90338	(16122117)		
410987.04	3723800.34	11.02205	(16122117)	411007.04
3723800.34	11.13596	(16122117)		
411027.04	3723800.34	11.24312	(16122117)	411047.04

3723800.34	11.34301	(16122117)		
411067.04	3723800.34	11.43609	(16122117)	411087.04
3723800.34	11.52142	(16122117)		
411107.04	3723800.34	11.59849	(16122117)	411127.04
3723800.34	11.66576	(16122117)		
411147.04	3723800.34	11.72927	(16122117)	411167.04
3723800.34	11.78365	(16122117)		
411187.04	3723800.34	11.82809	(16122117)	411207.04
3723800.34	11.86093	(16122117)		
411227.04	3723800.34	11.89041	(16122117)	411247.04
3723800.34	11.90931	(16122117)		
411267.04	3723800.34	11.91752	(16122117)	411287.04
3723800.34	11.91753	(16122117)		
411307.04	3723800.34	11.90828	(16122117)	411327.04
3723800.34	11.89019	(16122117)		
411347.04	3723800.34	11.86413	(16122117)	411367.04
3723800.34	11.82743	(16122117)		
411387.04	3723800.34	11.78180	(16122117)	411407.04
3723800.34	11.72475	(16122117)		
411427.04	3723800.34	11.66116	(16122117)	411447.04
3723800.34	11.58869	(16122117)		
411467.04	3723800.34	11.50593	(16122117)	411487.04
3723800.34	11.41524	(16122117)		
411507.04	3723800.34	11.31603	(16122117)	411527.04
3723800.34	11.21102	(16122117)		
411547.04	3723800.34	11.09416	(16122117)	411567.04
3723800.34	10.96967	(16122117)		
411587.04	3723800.34	10.83884	(16122117)	411607.04
3723800.34	10.70405	(16122117)		
410907.04	3723820.34	10.51348	(16122117)	410927.04
3723820.34	10.65424	(16122117)		
410947.04	3723820.34	10.78953	(16122117)	410967.04
3723820.34	10.91919	(16122117)		
410987.04	3723820.34	11.04286	(16122117)	411007.04
3723820.34	11.16011	(16122117)		
411027.04	3723820.34	11.27070	(16122117)	411047.04
3723820.34	11.37440	(16122117)		
411067.04	3723820.34	11.47062	(16122117)	411087.04
3723820.34	11.55953	(16122117)		
411107.04	3723820.34	11.64055	(16122117)	411127.04
3723820.34	11.71387	(16122117)		
411147.04	3723820.34	11.77939	(16122117)	411167.04
3723820.34	11.83652	(16122117)		
411187.04	3723820.34	11.88498	(16122117)	411207.04
3723820.34	11.92467	(16122117)		
411227.04	3723820.34	11.95546	(16122117)	411247.04
3723820.34	11.97728	(16122117)		
411267.04	3723820.34	11.98980	(16122117)	411287.04
3723820.34	11.99331	(16122117)		
411307.04	3723820.34	11.98744	(16122117)	411327.04

3723820.34 11.97223 (16122117)
 411347.04 3723820.34 11.94781 (16122117) 411367.04
 3723820.34 11.91396 (16122117)
 411387.04 3723820.34 11.87072 (16122117) 411407.04
 3723820.34 11.81815 (16122117)
 411427.04 3723820.34 11.75666 (16122117) 411447.04
 3723820.34 11.68596 (16122117)
 411467.04 3723820.34 11.60622 (16122117) 411487.04
 3723820.34 11.51768 (16122117)
 411507.04 3723820.34 11.42044 (16122117) 411527.04
 3723820.34 11.31470 (16122117)
 411547.04 3723820.34 11.20087 (16122117) 411567.04
 3723820.34 11.07945 (16122117)
 411587.04 3723820.34 10.95004 (16122117) 411607.04
 3723820.34 10.81405 (16122117)
 410907.04 3723840.34 10.51946 (16122117) 410927.04
 3723840.34 10.66304 (16122117)
 410947.04 3723840.34 10.80177 (16122117) 410967.04
 3723840.34 10.93604 (16122117)
 410987.04 3723840.34 11.06305 (16122117) 411007.04
 3723840.34 11.18411 (16122117)
 411027.04 3723840.34 11.29823 (16122117) 411047.04
 3723840.34 11.40620 (16122117)
 411067.04 3723840.34 11.50631 (16122117) 411087.04
 3723840.34 11.59833 (16122117)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
3723840.34	411107.04	3723840.34	11.68334	(16122117)	411127.04
		11.76242 (16122117)			
3723840.34	411147.04	3723840.34	11.83212	(16122117)	411167.04
		11.89271 (16122117)			
3723840.34	411187.04	3723840.34	11.94508	(16122117)	411207.04
		11.98837 (16122117)			
3723840.34	411227.04	3723840.34	12.02254	(16122117)	411247.04
		12.04816 (16122117)			
3723840.34	411267.04	3723840.34	12.06475	(16122117)	411287.04
		12.07140 (16122117)			
3723840.34	411307.04	3723840.34	12.06914	(16122117)	411327.04
		12.05715 (16122117)			
3723840.34	411347.04	3723840.34	12.03569	(16122117)	411367.04
		12.00482 (16122117)			
3723840.34	411387.04	3723840.34	11.96429	(16122117)	411407.04
		11.91382 (16122117)			
3723840.34	411427.04	3723840.34	11.85352	(16122117)	411447.04
		11.78571 (16122117)			
3723840.34	411467.04	3723840.34	11.70802	(16122117)	411487.04
		11.62117 (16122117)			
3723840.34	411507.04	3723840.34	11.52618	(16122117)	411527.04
		11.42284 (16122117)			
3723840.34	411547.04	3723840.34	11.31070	(16122117)	411567.04
		11.18994 (16122117)			
3723840.34	411587.04	3723840.34	11.06180	(16122117)	411607.04
		10.92774 (16122117)			
3723860.34	410907.04	3723860.34	10.52348	(16122117)	410927.04
		10.67073 (16122117)			
3723860.34	410947.04	3723860.34	10.81232	(16122117)	410967.04
		10.95051 (16122117)			
3723860.34	410987.04	3723860.34	11.08197	(16122117)	411007.04
		11.20643 (16122117)			
3723860.34	411027.04	3723860.34	11.32409	(16122117)	411047.04
		11.43531 (16122117)			
3723860.34	411067.04	3723860.34	11.54050	(16122117)	411087.04
		11.63777 (16122117)			
3723860.34	411107.04	3723860.34	11.72758	(16122117)	411127.04
		11.81074 (16122117)			
3723860.34	411147.04	3723860.34	11.88347	(16122117)	411167.04
		11.94834 (16122117)			
3723860.34	411187.04	3723860.34	12.00427	(16122117)	411207.04
		12.05121 (16122117)			
3723860.34	411227.04	3723860.34	12.08939	(16122117)	411247.04
		12.11854 (16122117)			
3723860.34	411267.04	3723860.34	12.13817	(16122117)	411287.04
		12.14833 (16122117)			

411307.04	3723860.34	12.14988	(16122117)	411327.04
3723860.34	12.14065	(16122117)		
411347.04	3723860.34	12.12231	(16122117)	411367.04
3723860.34	12.09457	(16122117)		
411387.04	3723860.34	12.05684	(16122117)	411407.04
3723860.34	12.00902	(16122117)		
411427.04	3723860.34	11.95123	(16122117)	411447.04
3723860.34	11.88653	(16122117)		
411467.04	3723860.34	11.81103	(16122117)	411487.04
3723860.34	11.72497	(16122117)		
411507.04	3723860.34	11.63193	(16122117)	411527.04
3723860.34	11.53253	(16122117)		
411547.04	3723860.34	11.42252	(16122117)	411567.04
3723860.34	11.30155	(16122117)		
411587.04	3723860.34	11.17403	(16122117)	411607.04
3723860.34	11.04146	(16122117)		
410907.04	3723880.34	10.52366	(16122117)	410927.04
3723880.34	10.67542	(16122117)		
410947.04	3723880.34	10.82143	(16122117)	410967.04
3723880.34	10.96164	(16122117)		
410987.04	3723880.34	11.09643	(16122117)	411007.04
3723880.34	11.22542	(16122117)		
411027.04	3723880.34	11.34714	(16122117)	411047.04
3723880.34	11.46243	(16122117)		
411067.04	3723880.34	11.57272	(16122117)	411087.04
3723880.34	11.67537	(16122117)		
411107.04	3723880.34	11.76859	(16122117)	411127.04
3723880.34	11.85417	(16122117)		
411147.04	3723880.34	11.93157	(16122117)	411167.04
3723880.34	12.00037	(16122117)		
411187.04	3723880.34	12.05991	(16122117)	411207.04
3723880.34	12.11125	(16122117)		
411227.04	3723880.34	12.15316	(16122117)	411247.04
3723880.34	12.18583	(16122117)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,

L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
411267.04	3723880.34	12.20941	(16122117)	411287.04
3723880.34	12.22314 (16122117)			
411307.04	3723880.34	12.22700	(16122117)	411327.04
3723880.34	12.22128 (16122117)			
411347.04	3723880.34	12.20571	(16122117)	411367.04
3723880.34	12.18071 (16122117)			
411387.04	3723880.34	12.14614	(16122117)	411407.04
3723880.34	12.10066 (16122117)			
411427.04	3723880.34	12.04836	(16122117)	411447.04
3723880.34	11.98723 (16122117)			
411467.04	3723880.34	11.91395	(16122117)	411487.04
3723880.34	11.83019 (16122117)			
411507.04	3723880.34	11.73888	(16122117)	411527.04
3723880.34	11.63996 (16122117)			
411547.04	3723880.34	11.53177	(16122117)	411567.04
3723880.34	11.41366 (16122117)			
411587.04	3723880.34	11.28742	(16122117)	411607.04
3723880.34	11.15665 (16122117)			
410907.04	3723900.34	10.52689	(16122117)	410927.04
3723900.34	10.68438 (16122117)			
410947.04	3723900.34	10.83362	(16122117)	410967.04
3723900.34	10.97618 (16122117)			
410987.04	3723900.34	11.11555	(16122117)	411007.04
3723900.34	11.25014 (16122117)			
411027.04	3723900.34	11.37487	(16122117)	411047.04
3723900.34	11.49107 (16122117)			
411067.04	3723900.34	11.60547	(16122117)	411087.04
3723900.34	11.71177 (16122117)			
411107.04	3723900.34	11.80893	(16122117)	411127.04
3723900.34	11.90023 (16122117)			
411147.04	3723900.34	11.98258	(16122117)	411167.04
3723900.34	12.05550 (16122117)			
411187.04	3723900.34	12.11760	(16122117)	411207.04
3723900.34	12.17389 (16122117)			
411227.04	3723900.34	12.21954	(16122117)	411247.04
3723900.34	12.25562 (16122117)			
411267.04	3723900.34	12.28369	(16122117)	411287.04

3723900.34	12.30143	(16122117)		
411307.04	3723900.34	12.30687	(16122117)	411327.04
3723900.34	12.30482	(16122117)		
411347.04	3723900.34	12.29175	(16122117)	411367.04
3723900.34	12.27127	(16122117)		
411387.04	3723900.34	12.23981	(16122117)	411407.04
3723900.34	12.19496	(16122117)		
411427.04	3723900.34	12.14545	(16122117)	411447.04
3723900.34	12.08697	(16122117)		
411467.04	3723900.34	12.01667	(16122117)	411487.04
3723900.34	11.93480	(16122117)		
411507.04	3723900.34	11.84508	(16122117)	411527.04
3723900.34	11.74778	(16122117)		
411547.04	3723900.34	11.64211	(16122117)	411567.04
3723900.34	11.52667	(16122117)		
411587.04	3723900.34	11.40171	(16122117)	411607.04
3723900.34	11.27082	(16122117)		
410907.04	3723920.34	10.52829	(16122117)	410927.04
3723920.34	10.68909	(16122117)		
410947.04	3723920.34	10.84188	(16122117)	410967.04
3723920.34	10.98799	(16122117)		
410987.04	3723920.34	11.13143	(16122117)	411007.04
3723920.34	11.26920	(16122117)		
411027.04	3723920.34	11.39797	(16122117)	411047.04
3723920.34	11.51840	(16122117)		
411067.04	3723920.34	11.63688	(16122117)	411087.04
3723920.34	11.74654	(16122117)		
411107.04	3723920.34	11.84789	(16122117)	411127.04
3723920.34	11.94400	(16122117)		
411147.04	3723920.34	12.03009	(16122117)	411167.04
3723920.34	12.10679	(16122117)		
411187.04	3723920.34	12.17427	(16122117)	411207.04
3723920.34	12.23312	(16122117)		
411227.04	3723920.34	12.28299	(16122117)	411247.04
3723920.34	12.32302	(16122117)		
411267.04	3723920.34	12.35422	(16122117)	411287.04
3723920.34	12.37515	(16122117)		
411307.04	3723920.34	12.38581	(16122117)	411327.04
3723920.34	12.38675	(16122117)		
411347.04	3723920.34	12.37826	(16122117)	411367.04
3723920.34	12.36017	(16122117)		
411387.04	3723920.34	12.33175	(16122117)	411407.04
3723920.34	12.28978	(16122117)		

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411427.04	3723920.34	12.24363	(16122117)	411447.04
3723920.34	12.18763	(16122117)		
411467.04	3723920.34	12.11971	(16122117)	411487.04
3723920.34	12.03987	(16122117)		
411507.04	3723920.34	11.95225	(16122117)	411527.04
3723920.34	11.85711	(16122117)		
411547.04	3723920.34	11.75357	(16122117)	411567.04
3723920.34	11.64004	(16122117)		
411587.04	3723920.34	11.51662	(16122117)	411607.04
3723920.34	11.38602	(16122117)		
410907.04	3723940.34	10.52755	(16122117)	410927.04
3723940.34	10.69192	(16122117)		
410947.04	3723940.34	10.84838	(16122117)	410967.04
3723940.34	10.99849	(16122117)		
410987.04	3723940.34	11.14563	(16122117)	411007.04
3723940.34	11.28767	(16122117)		
411027.04	3723940.34	11.41982	(16122117)	411047.04
3723940.34	11.54424	(16122117)		
411067.04	3723940.34	11.66679	(16122117)	411087.04
3723940.34	11.78080	(16122117)		
411107.04	3723940.34	11.88556	(16122117)	411127.04
3723940.34	11.98568	(16122117)		
411147.04	3723940.34	12.07676	(16122117)	411167.04
3723940.34	12.15771	(16122117)		
411187.04	3723940.34	12.23036	(16122117)	411207.04
3723940.34	12.29327	(16122117)		
411227.04	3723940.34	12.34641	(16122117)	411247.04
3723940.34	12.39054	(16122117)		

411267.04	3723940.34	12.42461	(16122117)	411287.04
3723940.34	12.44928	(16122117)		
411307.04	3723940.34	12.46493	(16122117)	411327.04
3723940.34	12.47077	(16122117)		
411347.04	3723940.34	12.46554	(16122117)	411367.04
3723940.34	12.45120	(16122117)		
411387.04	3723940.34	12.42564	(16122117)	411407.04
3723940.34	12.38494	(16122117)		
411427.04	3723940.34	12.34121	(16122117)	411447.04
3723940.34	12.28794	(16122117)		
411467.04	3723940.34	12.22285	(16122117)	411487.04
3723940.34	12.14629	(16122117)		
411507.04	3723940.34	12.06194	(16122117)	411527.04
3723940.34	11.96829	(16122117)		
411547.04	3723940.34	11.86560	(16122117)	411567.04
3723940.34	11.75399	(16122117)		
411587.04	3723940.34	11.63222	(16122117)	411607.04
3723940.34	11.50260	(16122117)		
410907.04	3723960.34	10.52543	(16122117)	410927.04
3723960.34	10.69361	(16122117)		
410947.04	3723960.34	10.85370	(16122117)	410967.04
3723960.34	11.00733	(16122117)		
410987.04	3723960.34	11.15799	(16122117)	411007.04
3723960.34	11.30447	(16122117)		
411027.04	3723960.34	11.44061	(16122117)	411047.04
3723960.34	11.56886	(16122117)		
411067.04	3723960.34	11.69557	(16122117)	411087.04
3723960.34	11.81350	(16122117)		
411107.04	3723960.34	11.92240	(16122117)	411127.04
3723960.34	12.02705	(16122117)		
411147.04	3723960.34	12.12163	(16122117)	411167.04
3723960.34	12.20695	(16122117)		
411187.04	3723960.34	12.28274	(16122117)	411207.04
3723960.34	12.34955	(16122117)		
411227.04	3723960.34	12.40675	(16122117)	411247.04
3723960.34	12.45369	(16122117)		
411267.04	3723960.34	12.49116	(16122117)	411287.04
3723960.34	12.52175	(16122117)		
411307.04	3723960.34	12.54216	(16122117)	411327.04
3723960.34	12.55179	(16122117)		
411347.04	3723960.34	12.55002	(16122117)	411367.04
3723960.34	12.53932	(16122117)		
411387.04	3723960.34	12.51748	(16122117)	411407.04
3723960.34	12.47967	(16122117)		
411427.04	3723960.34	12.43821	(16122117)	411447.04
3723960.34	12.38704	(16122117)		
411467.04	3723960.34	12.32553	(16122117)	411487.04
3723960.34	12.25323	(16122117)		
411507.04	3723960.34	12.17180	(16122117)	411527.04
3723960.34	12.08109	(16122117)		

411547.04 3723960.34 11.97987 (16122117) 411567.04
 3723960.34 11.86888 (16122117)
 *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
411587.04	3723960.34	11.74862 (16122117)	411607.04
3723960.34	11.61999 (16122117)		
412145.57	3727370.39	87.96044 (14122617)	412165.57
3727370.39	90.55886 (14122617)		
412185.57	3727370.39	93.30804 (14122617)	412205.57
3727370.39	95.68787 (14122617)		
412225.57	3727370.39	97.72918 (14122617)	412245.57
3727370.39	99.53474 (14122617)		
412265.57	3727370.39	101.30026 (14122617)	412285.57
3727370.39	102.62096 (14122617)		
412305.57	3727370.39	103.53033 (14122617)	412325.57
3727370.39	104.00199 (14122617)		
412345.57	3727370.39	103.99558 (14122617)	412365.57
3727370.39	103.52412 (14122617)		
412145.57	3727390.39	87.89443 (14122617)	412165.57
3727390.39	90.75532 (14122617)		
412185.57	3727390.39	93.71328 (14122617)	412205.57
3727390.39	96.34257 (14122617)		
412225.57	3727390.39	98.71606 (14122617)	412245.57

3727390.39	100.85938	(14122617)		
412265.57	3727390.39	102.89314	(14122617)	412285.57
3727390.39	104.57175	(14122617)		
412305.57	3727390.39	105.84819	(14122617)	412325.57
3727390.39	106.66600	(14122617)		
412345.57	3727390.39	107.01281	(14122617)	412365.57
3727390.39	107.00053	(14122617)		
412145.57	3727410.39	87.67037	(14122617)	412165.57
3727410.39	90.85549	(14122617)		
412185.57	3727410.39	93.91352	(14122617)	412205.57
3727410.39	96.83235	(14122617)		
412225.57	3727410.39	99.56447	(14122617)	412245.57
3727410.39	102.08767	(14122617)		
412265.57	3727410.39	104.34440	(14122617)	412285.57
3727410.39	106.34136	(14122617)		
412305.57	3727410.39	107.99030	(14122617)	412325.57
3727410.39	109.20769	(14122617)		
412345.57	3727410.39	109.98436	(14122617)	412365.57
3727410.39	110.39220	(14122617)		
412145.57	3727430.39	87.47717	(14122617)	412165.57
3727430.39	90.90900	(14122617)		
412185.57	3727430.39	94.20412	(14122617)	412205.57
3727430.39	97.39830	(14122617)		
412225.57	3727430.39	100.43555	(14122617)	412245.57
3727430.39	103.26438	(14122617)		
412265.57	3727430.39	105.89156	(14122617)	412285.57
3727430.39	108.24562	(14122617)		
412305.57	3727430.39	110.25760	(14122617)	412325.57
3727430.39	111.85882	(14122617)		
412345.57	3727430.39	113.02944	(14122617)	412365.57
3727430.39	113.73937	(14122617)		
412145.57	3727450.39	87.04193	(14122617)	412165.57
3727450.39	90.64448	(14122617)		
412185.57	3727450.39	94.16760	(14122617)	412205.57
3727450.39	97.64073	(14122617)		
412225.57	3727450.39	100.97155	(14122617)	412245.57
3727450.39	104.16571	(14122617)		
412265.57	3727450.39	107.13163	(14122617)	412285.57
3727450.39	109.82082	(14122617)		
412305.57	3727450.39	112.21207	(14122617)	412325.57
3727450.39	114.24076	(14122617)		
412345.57	3727450.39	115.81441	(14122617)	412365.57
3727450.39	116.91239	(14122617)		
412145.57	3727470.39	86.33560	(14122617)	412165.57
3727470.39	90.11723	(14122617)		
412185.57	3727470.39	93.84453	(14122617)	412205.57
3727470.39	97.59570	(14122617)		
412225.57	3727470.39	101.17327	(14122617)	412245.57
3727470.39	104.66981	(14122617)		
412265.57	3727470.39	107.97655	(14122617)	412285.57

3727470.39 111.01523 (14122617)
 412305.57 3727470.39 113.80211 (14122617) 412325.57
 3727470.39 116.28659 (14122617)
 412345.57 3727470.39 118.32670 (14122617) 412365.57
 3727470.39 119.89127 (14122617)
 412145.57 3727490.39 85.43948 (14122617) 412165.57
 3727490.39 89.39086 (14122617)
 412185.57 3727490.39 93.34853 (14122617) 412205.57
 3727490.39 97.32616 (14122617)
 412225.57 3727490.39 101.17198 (14122617) 412245.57
 3727490.39 104.94550 (14122617)

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
412265.57	3727490.39	108.58156 (14122617)	412285.57
3727490.39	112.00472 (14122617)		
412305.57	3727490.39	115.17505 (14122617)	412325.57
3727490.39	118.07957 (14122617)		
412345.57	3727490.39	120.58275 (14122617)	412365.57
3727490.39	122.61482 (14122617)		
412145.57	3727510.39	84.41718 (14122617)	412165.57
3727510.39	88.56597 (14122617)		
412185.57	3727510.39	92.72357 (14122617)	412205.57
3727510.39	96.88467 (14122617)		

412225.57	3727510.39	101.00935	(14122617)	412245.57
3727510.39	105.05477	(14122617)		
412265.57	3727510.39	108.99208	(14122617)	412285.57
3727510.39	112.78154	(14122617)		
412305.57	3727510.39	116.35185	(14122617)	412325.57
3727510.39	119.64554	(14122617)		
412345.57	3727510.39	122.67033	(14122617)	412365.57
3727510.39	125.16738	(14122617)		
412145.57	3727530.39	83.11428	(14122617)	412165.57
3727530.39	87.40101	(14122617)		
412185.57	3727530.39	91.73981	(14122617)	412205.57
3727530.39	96.09266	(14122617)		
412225.57	3727530.39	100.42911	(14122617)	412245.57
3727530.39	104.73037	(14122617)		
412265.57	3727530.39	108.95965	(14122617)	412285.57
3727530.39	113.07501	(14122617)		
412305.57	3727530.39	117.01433	(14122617)	412325.57
3727530.39	120.74226	(14122617)		
412345.57	3727530.39	124.31635	(14122617)	412365.57
3727530.39	127.35007	(14122617)		
412145.57	3727550.39	85.13177	(16122217)	412165.57
3727550.39	86.10469	(14122617)		
412185.57	3727550.39	90.57533	(14122617)	412205.57
3727550.39	95.10830	(14122617)		
412225.57	3727550.39	99.65675	(14122617)	412245.57
3727550.39	104.20915	(14122617)		
412265.57	3727550.39	108.72793	(14122617)	412285.57
3727550.39	113.16450	(14122617)		
412305.57	3727550.39	117.46714	(14122617)	412325.57
3727550.39	121.53854	(14122617)		
412345.57	3727550.39	125.64642	(14122617)	412365.57
3727550.39	129.20170	(14122617)		
412145.57	3727570.39	88.36543	(16122217)	412165.57
3727570.39	88.58712	(16122217)		
412185.57	3727570.39	89.39839	(14122617)	412205.57
3727570.39	94.13300	(14122617)		
412225.57	3727570.39	98.85596	(14122617)	412245.57
3727570.39	103.64368	(14122617)		
412265.57	3727570.39	108.45590	(14122617)	412285.57
3727570.39	113.20817	(14122617)		
412305.57	3727570.39	117.83867	(14122617)	412325.57
3727570.39	122.13260	(14122617)		
412345.57	3727570.39	126.70320	(14122617)	412365.57
3727570.39	130.72549	(14122617)		
412145.57	3727590.39	91.30390	(16122217)	412165.57
3727590.39	91.79936	(16122217)		
412185.57	3727590.39	92.12920	(16122217)	412205.57
3727590.39	92.81294	(14122617)		
412225.57	3727590.39	97.73488	(14122617)	412245.57
3727590.39	102.71692	(14122617)		

412265.57	3727590.39	107.75445	(14122617)	412285.57
3727590.39	112.78826	(14122617)		
412305.57	3727590.39	117.66845	(14122617)	412325.57
3727590.39	122.36903	(14122617)		
412345.57	3727590.39	127.36683	(14122617)	412365.57
3727590.39	131.86640	(14122617)		
412145.57	3727610.39	93.90838	(16122217)	412165.57
3727610.39	94.66887	(16122217)		
412185.57	3727610.39	95.28398	(16122217)	412205.57
3727610.39	95.74612	(16122217)		
412225.57	3727610.39	96.25541	(14122617)	412245.57
3727610.39	101.37890	(14122617)		
412265.57	3727610.39	106.70947	(14122617)	412285.57
3727610.39	112.05404	(14122617)		
412305.57	3727610.39	117.25975	(14122617)	412325.57
3727610.39	122.28516	(14122617)		
412345.57	3727610.39	127.64503	(14122617)	412365.57
3727610.39	132.60934	(14122617)		
412145.57	3727630.39	96.26986	(16122217)	412165.57
3727630.39	97.31547	(16122217)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412185.57	3727630.39	98.22705	(16122217)	412205.57

3727630.39	98.99369	(16122217)			
	412225.57	3727630.39	99.61482	(16122217)	412245.57
3727630.39	100.05571	(16122217)			
	412265.57	3727630.39	105.46840	(14122617)	412285.57
3727630.39	111.07703	(14122617)			
	412305.57	3727630.39	116.55357	(14122617)	412325.57
3727630.39	121.88046	(14122617)			
	412345.57	3727630.39	127.47110	(14122617)	412365.57
3727630.39	132.90825	(14122617)			
	412145.57	3727650.39	98.56021	(16122217)	412165.57
3727650.39	99.88567	(16122217)			
	412185.57	3727650.39	101.08420	(16122217)	412205.57
3727650.39	102.17173	(16122217)			
	412225.57	3727650.39	103.12449	(16122217)	412245.57
3727650.39	103.95263	(16122217)			
	412265.57	3727650.39	104.56858	(16122217)	412285.57
3727650.39	109.85819	(14122617)			
	412305.57	3727650.39	115.55324	(14122617)	412325.57
3727650.39	121.19354	(14122617)			
	412345.57	3727650.39	127.27726	(14122617)	412365.57
3727650.39	133.03146	(14122617)			
	412145.57	3727670.39	100.42397	(16122217)	412165.57
3727670.39	102.02254	(16122217)			
	412185.57	3727670.39	103.52864	(16122217)	412205.57
3727670.39	104.93021	(16122217)			
	412225.57	3727670.39	106.21741	(16122217)	412245.57
3727670.39	107.36417	(16122217)			
	412265.57	3727670.39	108.38411	(16122217)	412285.57
3727670.39	109.26043	(16122217)			
	412305.57	3727670.39	114.28072	(14122617)	412325.57
3727670.39	120.17276	(14122617)			
	412345.57	3727670.39	126.58395	(14122617)	412365.57
3727670.39	132.67877	(14122617)			
	412145.57	3727690.39	101.84029	(16122217)	412165.57
3727690.39	103.69696	(16122217)			
	412185.57	3727690.39	105.48291	(16122217)	412205.57
3727690.39	107.18405	(16122217)			
	412225.57	3727690.39	108.79240	(16122217)	412245.57
3727690.39	110.23551	(16122217)			
	412265.57	3727690.39	111.77051	(16122217)	412285.57
3727690.39	113.06538	(16122217)			
	412305.57	3727690.39	114.04432	(16122217)	412325.57
3727690.39	118.86654	(14122617)			
	412345.57	3727690.39	125.52850	(14122617)	412365.57
3727690.39	131.92447	(14122617)			
	412145.57	3727710.39	103.01489	(16122217)	412165.57
3727710.39	105.13097	(16122217)			
	412185.57	3727710.39	107.17241	(16122217)	412205.57
3727710.39	109.17221	(16122217)			
	412225.57	3727710.39	111.08096	(16122217)	412245.57

3727710.39 112.88458 (16122217)
 412265.57 3727710.39 114.79967 (16122217) 412285.57
 3727710.39 116.49937 (16122217)
 412305.57 3727710.39 117.90891 (16122217) 412325.57
 3727710.39 119.06238 (16122217)
 412345.57 3727710.39 124.17428 (14122617) 412365.57
 3727710.39 130.87418 (14122617)
 412145.57 3727730.39 104.08935 (16122217) 412165.57
 3727730.39 106.46179 (16122217)
 412185.57 3727730.39 108.76274 (16122217) 412205.57
 3727730.39 111.03658 (16122217)
 412225.57 3727730.39 113.23802 (16122217) 412245.57
 3727730.39 115.39228 (16122217)
 412265.57 3727730.39 117.50848 (16122217) 412285.57
 3727730.39 119.51951 (16122217)
 412305.57 3727730.39 121.34358 (16122217) 412325.57
 3727730.39 122.93353 (16122217)
 412345.57 3727730.39 124.82012 (16122217) 412365.57
 3727730.39 129.51923 (14122617)
 412145.57 3727750.39 104.70052 (16122217) 412165.57
 3727750.39 107.28398 (16122217)
 412185.57 3727750.39 109.84447 (16122217) 412205.57
 3727750.39 112.34519 (16122217)
 412225.57 3727750.39 114.84322 (16122217) 412245.57
 3727750.39 117.31075 (16122217)
 412265.57 3727750.39 119.73204 (16122217) 412285.57
 3727750.39 122.05505 (16122217)
 412305.57 3727750.39 124.30070 (16122217) 412325.57
 3727750.39 126.32272 (16122217)

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412345.57	3727750.39	128.67586	(16122217)	412365.57
3727750.39	130.59153	(16122217)		
412145.57	3727770.39	104.93542	(16122217)	412165.57
3727770.39	107.69897	(16122217)		
412185.57	3727770.39	110.49144	(16122217)	412205.57
3727770.39	113.23245	(16122217)		
412225.57	3727770.39	115.97907	(16122217)	412245.57
3727770.39	118.70696	(16122217)		
412265.57	3727770.39	121.42015	(16122217)	412285.57
3727770.39	124.08836	(16122217)		
412305.57	3727770.39	126.72821	(16122217)	412325.57
3727770.39	129.18508	(16122217)		
412345.57	3727770.39	131.98082	(16122217)	412365.57
3727770.39	134.40449	(16122217)		
412145.57	3727790.39	104.82926	(16122217)	412165.57
3727790.39	107.77501	(16122217)		
412185.57	3727790.39	110.73684	(16122217)	412205.57
3727790.39	113.70405	(16122217)		
412225.57	3727790.39	116.68274	(16122217)	412245.57
3727790.39	119.65649	(16122217)		
412265.57	3727790.39	122.63152	(16122217)	412285.57
3727790.39	125.61054	(16122217)		
412305.57	3727790.39	128.57953	(16122217)	412325.57
3727790.39	131.57059	(16122217)		
412345.57	3727790.39	134.76482	(16122217)	412365.57
3727790.39	137.60832	(16122217)		
412145.57	3727810.39	104.66990	(16122217)	412165.57
3727810.39	107.80657	(16122217)		
412185.57	3727810.39	110.97372	(16122217)	412205.57
3727810.39	114.13292	(16122217)		
412225.57	3727810.39	117.33934	(16122217)	412245.57
3727810.39	120.53066	(16122217)		
412265.57	3727810.39	123.77980	(16122217)	412285.57
3727810.39	127.05084	(16122217)		
412305.57	3727810.39	130.30996	(16122217)	412325.57
3727810.39	133.62885	(16122217)		
412345.57	3727810.39	137.00768	(16122217)	412365.57
3727810.39	140.19572	(16122217)		
412145.57	3727830.39	104.02847	(16122217)	412165.57
3727830.39	107.31110	(16122217)		
412185.57	3727830.39	110.64780	(16122217)	412205.57
3727830.39	113.98696	(16122217)		

412225.57	3727830.39	117.38361	(16122217)	412245.57
3727830.39	120.81187	(16122217)		
412265.57	3727830.39	124.22889	(16122217)	412285.57
3727830.39	127.74701	(16122217)		
412305.57	3727830.39	131.27761	(16122217)	412325.57
3727830.39	134.85039	(16122217)		
412345.57	3727830.39	138.47556	(16122217)	412365.57
3727830.39	142.00841	(16122217)		
412145.57	3727850.39	103.54956	(13120917)	412165.57
3727850.39	106.67189	(16122217)		
412185.57	3727850.39	110.14523	(16122217)	412205.57
3727850.39	113.63819	(16122217)		
412225.57	3727850.39	117.21363	(16122217)	412245.57
3727850.39	120.85343	(16122217)		
412265.57	3727850.39	124.50239	(16122217)	412285.57
3727850.39	128.21913	(16122217)		
412305.57	3727850.39	131.97348	(16122217)	412325.57
3727850.39	135.79996	(16122217)		
412345.57	3727850.39	139.67878	(16122217)	412365.57
3727850.39	143.59093	(16122217)		
412145.57	3727870.39	104.69046	(13120917)	412165.57
3727870.39	106.99733	(13120917)		
412185.57	3727870.39	109.66280	(16122217)	412205.57
3727870.39	113.15645	(16122217)		
412225.57	3727870.39	117.02484	(16122217)	412245.57
3727870.39	120.95732	(16122217)		
412265.57	3727870.39	124.83955	(16122217)	412285.57
3727870.39	128.79897	(16122217)		
412305.57	3727870.39	132.83179	(16122217)	412325.57
3727870.39	136.94496	(16122217)		
412345.57	3727870.39	141.09191	(16122217)	412365.57
3727870.39	144.93913	(16122217)		
412145.57	3727890.39	105.41025	(13120917)	412165.57
3727890.39	107.87702	(13120917)		
412185.57	3727890.39	110.21646	(13120917)	412205.57
3727890.39	112.39773	(16122217)		
412225.57	3727890.39	116.35358	(16122217)	412245.57
3727890.39	120.38507	(16122217)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,

, L0000011 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412265.57	3727890.39	124.45085	(16122217)	412285.57
3727890.39	128.58449	(16122217)		
412305.57	3727890.39	132.80084	(16122217)	412325.57
3727890.39	137.08911	(16122217)		
412345.57	3727890.39	141.44152	(16122217)	412365.57
3727890.39	145.72082	(16122217)		
412145.57	3727910.39	105.77243	(13120917)	412165.57
3727910.39	108.36953	(13120917)		
412185.57	3727910.39	110.85852	(13120917)	412205.57
3727910.39	113.06142	(13120917)		
412225.57	3727910.39	115.57677	(13120917)	412245.57
3727910.39	119.55255	(16122217)		
412265.57	3727910.39	123.77195	(16122217)	412285.57
3727910.39	128.07774	(16122217)		
412305.57	3727910.39	132.46351	(16122217)	412325.57
3727910.39	136.95943	(16122217)		
412345.57	3727910.39	141.54376	(16122217)	412365.57
3727910.39	146.16453	(16122217)		
412145.57	3727930.39	105.82575	(13120917)	412165.57
3727930.39	108.54849	(13120917)		
412185.57	3727930.39	111.15800	(13120917)	412205.57
3727930.39	113.51133	(13120917)		
412225.57	3727930.39	116.35382	(13120917)	412245.57
3727930.39	119.22750	(13120917)		
412265.57	3727930.39	123.17850	(16122217)	412285.57
3727930.39	127.66715	(16122217)		
412305.57	3727930.39	132.25746	(16122217)	412325.57
3727930.39	136.93356	(16122217)		
412345.57	3727930.39	141.78653	(16122217)	412365.57
3727930.39	146.32114	(16122217)		
412145.57	3727950.39	105.55640	(13120917)	412165.57
3727950.39	108.37338	(13120917)		
412185.57	3727950.39	111.18601	(13120917)	412205.57

3727950.39	113.65871	(13120917)		
412225.57	3727950.39	116.66592	(13120917)	412245.57
3727950.39	119.78533	(13120917)		
412265.57	3727950.39	122.75819	(13120917)	412285.57
3727950.39	126.84552	(16122217)		
412305.57	3727950.39	131.61858	(16122217)	412325.57
3727950.39	136.49353	(16122217)		
412345.57	3727950.39	141.52346	(16122217)	412365.57
3727950.39	146.19057	(16122217)		
412145.57	3727970.39	105.00547	(13120917)	412165.57
3727970.39	107.96578	(13120917)		
412185.57	3727970.39	110.89962	(13120917)	412205.57
3727970.39	113.50834	(13120917)		
412225.57	3727970.39	116.63098	(13120917)	412245.57
3727970.39	119.82162	(13120917)		
412265.57	3727970.39	122.91405	(13120917)	412285.57
3727970.39	126.05106	(13120917)		
412305.57	3727970.39	130.59915	(16122217)	412325.57
3727970.39	135.66517	(16122217)		
412345.57	3727970.39	140.84261	(16122217)	412365.57
3727970.39	145.79596	(16122217)		
412145.57	3727990.39	104.18403	(13120917)	412165.57
3727990.39	107.27588	(13120917)		
412185.57	3727990.39	110.34788	(13120917)	412205.57
3727990.39	113.06921	(13120917)		
412225.57	3727990.39	116.09160	(13120917)	412245.57
3727990.39	119.26670	(13120917)		
412265.57	3727990.39	122.47851	(13120917)	412285.57
3727990.39	125.76099	(13120917)		
412305.57	3727990.39	129.15934	(16122217)	412325.57
3727990.39	134.39572	(16122217)		
412345.57	3727990.39	139.77092	(16122217)	412365.57
3727990.39	145.13323	(16122217)		
412145.57	3728010.39	103.13405	(13120917)	412165.57
3728010.39	106.30237	(13120917)		
412185.57	3728010.39	109.49570	(13120917)	412205.57
3728010.39	112.33333	(13120917)		
412225.57	3728010.39	115.72025	(13120917)	412245.57
3728010.39	119.12942	(13120917)		
412265.57	3728010.39	122.50380	(13120917)	412285.57
3728010.39	125.93895	(13120917)		
412305.57	3728010.39	129.38969	(13120917)	412325.57
3728010.39	133.34783	(16122217)		
412345.57	3728010.39	138.90998	(16122217)	412365.57
3728010.39	144.27865	(16122217)		
412145.57	3728030.39	101.81757	(13120917)	412165.57
3728030.39	105.10173	(13120917)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20

*** AERMET - VERSION 16216 *** ***

*** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412185.57	3728030.39	108.42400	(13120917)	412205.57
3728030.39	111.34196	(13120917)		
412225.57	3728030.39	114.85986	(13120917)	412245.57
3728030.39	118.45320	(13120917)		
412265.57	3728030.39	121.98750	(13120917)	412285.57
3728030.39	125.49354	(13120917)		
412305.57	3728030.39	129.13885	(13120917)	412325.57
3728030.39	132.84010	(13120917)		
412345.57	3728030.39	137.66372	(16122217)	412365.57
3728030.39	143.13208	(16122217)		
412145.57	3728050.39	100.21700	(13120917)	412165.57
3728050.39	103.58928	(13120917)		
412185.57	3728050.39	107.02374	(13120917)	412205.57
3728050.39	110.09850	(13120917)		
412225.57	3728050.39	113.70479	(13120917)	412245.57
3728050.39	117.31030	(13120917)		
412265.57	3728050.39	120.97382	(13120917)	412285.57
3728050.39	124.63377	(13120917)		
412305.57	3728050.39	128.39347	(13120917)	412325.57
3728050.39	132.25305	(13120917)		
412345.57	3728050.39	136.16608	(13120917)	412365.57
3728050.39	141.68786	(16122217)		
412145.57	3728070.39	98.43335	(13120917)	412165.57
3728070.39	101.87718	(13120917)		

412185.57	3728070.39	105.41939	(13120917)	412205.57
3728070.39	108.57645	(13120917)		
412225.57	3728070.39	112.05855	(13120917)	412245.57
3728070.39	115.75192	(13120917)		
412265.57	3728070.39	119.47435	(13120917)	412285.57
3728070.39	123.28558	(13120917)		
412305.57	3728070.39	127.16272	(13120917)	412325.57
3728070.39	131.11562	(13120917)		
412345.57	3728070.39	135.12688	(13120917)	412365.57
3728070.39	139.90226	(16122217)		
412145.57	3728090.39	99.94467	(13121917)	412165.57
3728090.39	101.97877	(13121917)		
412185.57	3728090.39	104.06711	(13121917)	412205.57
3728090.39	106.78664	(13120917)		
412225.57	3728090.39	110.51697	(13120917)	412245.57
3728090.39	114.41162	(13120917)		
412265.57	3728090.39	118.27917	(13120917)	412285.57
3728090.39	122.22038	(13120917)		
412305.57	3728090.39	126.22544	(13120917)	412325.57
3728090.39	130.34659	(13120917)		
412345.57	3728090.39	134.55421	(13120917)	412365.57
3728090.39	138.48464	(13120917)		
412145.57	3728110.39	101.40924	(13121917)	412165.57
3728110.39	103.50103	(13121917)		
412185.57	3728110.39	105.57354	(13121917)	412205.57
3728110.39	107.38202	(13121917)		
412225.57	3728110.39	109.90526	(13121917)	412245.57
3728110.39	112.85622	(13120917)		
412265.57	3728110.39	116.84805	(13120917)	412285.57
3728110.39	120.93040	(13120917)		
412305.57	3728110.39	125.07084	(13120917)	412325.57
3728110.39	129.39908	(13120917)		
412345.57	3728110.39	133.81846	(13120917)	412365.57
3728110.39	137.65400	(13120917)		
412145.57	3728130.39	102.51455	(13121917)	412165.57
3728130.39	104.59232	(13121917)		
412185.57	3728130.39	106.76233	(13121917)	412205.57
3728130.39	108.62198	(13121917)		
412225.57	3728130.39	111.11314	(13121917)	412245.57
3728130.39	113.68803	(13121917)		
412265.57	3728130.39	116.14076	(13121917)	412285.57
3728130.39	118.92653	(13120917)		
412305.57	3728130.39	123.25902	(13120917)	412325.57
3728130.39	127.66744	(13120917)		
412345.57	3728130.39	132.07898	(13120917)	412365.57
3728130.39	136.35611	(13120917)		
412145.57	3728150.39	103.22854	(13121917)	412165.57
3728150.39	105.29964	(13121917)		
412185.57	3728150.39	107.54825	(13121917)	412205.57
3728150.39	109.54630	(13121917)		

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412225.57 3728150.39 111.97800 (13121917) 412245.57
3728150.39 114.48101 (13121917)
412265.57 3728150.39 116.99443 (13121917) 412285.57
3728150.39 119.62709 (13121917)
412305.57 3728150.39 122.32558 (13121917) 412325.57
3728150.39 125.55235 (13120917)
^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
412345.57	3728150.39	130.15572 (13120917)	412365.57
3728150.39	134.78099 (13120917)		
412145.57	3728170.39	103.78879 (13121917)	412165.57
3728170.39	105.76594 (13121917)		
412185.57	3728170.39	108.00753 (13121917)	412205.57
3728170.39	110.35725 (13121917)		
412225.57	3728170.39	112.69152 (13121917)	412245.57
3728170.39	115.15070 (13121917)		
412265.57	3728170.39	117.68680 (13121917)	412285.57
3728170.39	120.32309 (13121917)		
412305.57	3728170.39	123.06807 (13121917)	412325.57
3728170.39	125.88032 (13121917)		
412345.57	3728170.39	128.81534 (13121917)	412365.57
3728170.39	132.97392 (13120917)		
412145.57	3728190.39	104.49043 (13121917)	412165.57

3728190.39	106.32377	(13121917)		
412185.57	3728190.39	108.62806	(13121917)	412205.57
3728190.39	111.11947	(13121917)		
412225.57	3728190.39	113.58419	(13121917)	412245.57
3728190.39	116.13242	(13121917)		
412265.57	3728190.39	118.69909	(13121917)	412285.57
3728190.39	121.41464	(13121917)		
412305.57	3728190.39	124.20710	(13121917)	412325.57
3728190.39	127.15545	(13121917)		
412345.57	3728190.39	130.09928	(13121917)	412365.57
3728190.39	132.74499	(13121917)		
412145.57	3728210.39	104.56770	(13121917)	412165.57
3728210.39	106.48906	(13121917)		
412185.57	3728210.39	108.87577	(13121917)	412205.57
3728210.39	111.43720	(13121917)		
412225.57	3728210.39	113.91453	(13121917)	412245.57
3728210.39	116.44971	(13121917)		
412265.57	3728210.39	119.09373	(13121917)	412285.57
3728210.39	121.82253	(13121917)		
412305.57	3728210.39	124.64215	(13121917)	412325.57
3728210.39	127.60689	(13121917)		
412345.57	3728210.39	130.63189	(13121917)	412365.57
3728210.39	133.34037	(13121917)		
412145.57	3728230.39	104.31192	(13121917)	412165.57
3728230.39	106.40329	(13121917)		
412185.57	3728230.39	108.88389	(13121917)	412205.57
3728230.39	111.41962	(13121917)		
412225.57	3728230.39	113.89420	(13121917)	412245.57
3728230.39	116.45305	(13121917)		
412265.57	3728230.39	119.14449	(13121917)	412285.57
3728230.39	121.90228	(13121917)		
412305.57	3728230.39	124.73839	(13121917)	412325.57
3728230.39	127.70692	(13121917)		
412345.57	3728230.39	130.83231	(13121917)	412365.57
3728230.39	133.71999	(13121917)		
412145.57	3728250.39	103.73767	(13121917)	412165.57
3728250.39	106.07293	(13121917)		
412185.57	3728250.39	108.49880	(13121917)	412205.57
3728250.39	110.85777	(13121917)		
412225.57	3728250.39	113.42067	(13121917)	412245.57
3728250.39	116.06422	(13121917)		
412265.57	3728250.39	118.75719	(13121917)	412285.57
3728250.39	121.57578	(13121917)		
412305.57	3728250.39	124.47175	(13121917)	412325.57
3728250.39	127.47021	(13121917)		
412345.57	3728250.39	130.60174	(13121917)	412365.57
3728250.39	133.91543	(13121917)		
412145.57	3728270.39	103.29552	(13121917)	412165.57
3728270.39	105.78669	(13121917)		
412185.57	3728270.39	108.46217	(13121917)	412205.57

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3728270.39      110.59626 (13121917)
      412225.57  3728270.39      113.37792 (13121917)      412245.57
3728270.39      116.28910 (13121917)
      412265.57  3728270.39      119.09404 (13121917)      412285.57
3728270.39      122.03498 (13121917)
      412305.57  3728270.39      124.96543 (13121917)      412325.57
3728270.39      128.06053 (13121917)
      412345.57  3728270.39      131.27921 (13121917)      412365.57
3728270.39      134.07060 (13121917)
      412145.57  3728290.39      102.54973 (13121917)      412165.57
3728290.39      105.05115 (13121917)
      412185.57  3728290.39      107.74465 (13121917)      412205.57
3728290.39      109.91080 (13121917)
      412225.57  3728290.39      112.86426 (13121917)      412245.57
3728290.39      115.85849 (13121917)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
      INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
      L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
      L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
      L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412265.57	3728290.39	118.69602	(13121917)	412285.57
3728290.39	121.69146	(13121917)		
412305.57	3728290.39	124.76569	(13121917)	412325.57
3728290.39	127.98434	(13121917)		
412345.57	3728290.39	131.20713	(13121917)	412365.57
3728290.39	134.01115	(13121917)		

412145.57	3728310.39	101.49127	(13121917)	412165.57
3728310.39	104.03494	(13121917)		
412185.57	3728310.39	106.74019	(13121917)	412205.57
3728310.39	108.96406	(13121917)		
412225.57	3728310.39	111.97588	(13121917)	412245.57
3728310.39	114.93063	(13121917)		
412265.57	3728310.39	117.80910	(13121917)	412285.57
3728310.39	120.86359	(13121917)		
412305.57	3728310.39	124.02377	(13121917)	412325.57
3728310.39	127.33206	(13121917)		
412345.57	3728310.39	130.60528	(13121917)	412365.57
3728310.39	134.99515	(14120317)		
412145.57	3728330.39	100.10911	(13121917)	412165.57
3728330.39	102.68453	(13121917)		
412185.57	3728330.39	105.36776	(13121917)	412205.57
3728330.39	107.72116	(13121917)		
412225.57	3728330.39	110.48357	(13121917)	412245.57
3728330.39	113.41023	(13121917)		
412265.57	3728330.39	116.37094	(13121917)	412285.57
3728330.39	119.47524	(13121917)		
412305.57	3728330.39	122.67733	(13121917)	412325.57
3728330.39	126.78651	(14120317)		
412345.57	3728330.39	131.49678	(14120317)	412365.57
3728330.39	136.49882	(14120317)		
412145.57	3728350.39	98.38585	(13121917)	412165.57
3728350.39	101.00421	(13121917)		
412185.57	3728350.39	103.72403	(13121917)	412205.57
3728350.39	106.13137	(13121917)		
412225.57	3728350.39	109.10047	(13121917)	412245.57
3728350.39	112.16472	(13121917)		
412265.57	3728350.39	115.76317	(14120317)	412285.57
3728350.39	119.76747	(14120317)		
412305.57	3728350.39	123.96137	(14120317)	412325.57
3728350.39	128.32739	(14120317)		
412345.57	3728350.39	132.96167	(14120317)	412365.57
3728350.39	137.80188	(14120317)		
412145.57	3728370.39	96.98245	(14120317)	412165.57
3728370.39	100.02629	(14120317)		
412185.57	3728370.39	103.23505	(14120317)	412205.57
3728370.39	106.26896	(14120317)		
412225.57	3728370.39	109.82113	(14120317)	412245.57
3728370.39	113.45723	(14120317)		
412265.57	3728370.39	117.22415	(14120317)	412285.57
3728370.39	121.19125	(14120317)		
412305.57	3728370.39	125.32007	(14120317)	412325.57
3728370.39	129.67999	(14120317)		
412345.57	3728370.39	134.28480	(14120317)	412365.57
3728370.39	138.89493	(14120317)		
412145.57	3728390.39	98.42642	(14120317)	412165.57
3728390.39	101.41102	(14120317)		

412185.57 3728390.39 104.56321 (14120317) 412205.57
 3728390.39 107.54505 (14120317)
 412225.57 3728390.39 111.10490 (14120317) 412245.57
 3728390.39 114.73991 (14120317)
 412265.57 3728390.39 118.39768 (14120317) 412285.57
 3728390.39 122.28669 (14120317)
 412305.57 3728390.39 126.37239 (14120317) 412325.57
 3728390.39 130.67931 (14120317)
 412345.57 3728390.39 135.23075 (14120317) 412365.57
 3728390.39 139.75358 (14120317)
 412145.57 3728410.39 99.64858 (14120317) 412165.57
 3728410.39 102.59824 (14120317)
 412185.57 3728410.39 105.66573 (14120317) 412205.57
 3728410.39 108.62276 (14120317)
 412225.57 3728410.39 112.01328 (14120317) 412245.57
 3728410.39 115.50030 (14120317)
 412265.57 3728410.39 119.13997 (14120317) 412285.57
 3728410.39 122.95521 (14120317)
 412305.57 3728410.39 126.97844 (14120317) 412325.57
 3728410.39 131.23750 (14120317)
 412345.57 3728410.39 135.68065 (14120317) 412365.57
 3728410.39 140.36500 (14120317)
 412145.57 3728430.39 100.67378 (14120317) 412165.57
 3728430.39 103.58407 (14120317)

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)

Y-COORD (M)	CONC	(YYMMDDHH)		
412185.57	3728430.39	106.60069	(14120317)	412205.57
3728430.39	109.51424	(14120317)		
412225.57	3728430.39	112.80741	(14120317)	412245.57
3728430.39	116.24816	(14120317)		
412265.57	3728430.39	119.83114	(14120317)	412285.57
3728430.39	123.59266	(14120317)		
412305.57	3728430.39	127.56086	(14120317)	412325.57
3728430.39	131.75788	(14120317)		
412345.57	3728430.39	136.17869	(14120317)	412365.57
3728430.39	140.82536	(14120317)		
412145.57	3728450.39	101.51026	(14120317)	412165.57
3728450.39	104.36463	(14120317)		
412185.57	3728450.39	107.34337	(14120317)	412205.57
3728450.39	110.20685	(14120317)		
412225.57	3728450.39	113.58636	(14120317)	412245.57
3728450.39	117.02210	(14120317)		
412265.57	3728450.39	120.57209	(14120317)	412285.57
3728450.39	124.27478	(14120317)		
412305.57	3728450.39	128.22907	(14120317)	412325.57
3728450.39	132.32742	(14120317)		
412345.57	3728450.39	136.73732	(14120317)	412365.57
3728450.39	141.16848	(14120317)		
412145.57	3728470.39	102.14654	(14120317)	412165.57
3728470.39	104.94133	(14120317)		
412185.57	3728470.39	107.88142	(14120317)	412205.57
3728470.39	110.68676	(14120317)		
412225.57	3728470.39	114.04549	(14120317)	412245.57
3728470.39	117.42234	(14120317)		
412265.57	3728470.39	120.95797	(14120317)	412285.57
3728470.39	124.62037	(14120317)		
412305.57	3728470.39	128.47210	(14120317)	412325.57
3728470.39	132.57706	(14120317)		
412345.57	3728470.39	136.92831	(14120317)	412365.57
3728470.39	141.27321	(14120317)		
412145.57	3728490.39	102.60247	(14120317)	412165.57
3728490.39	105.32593	(14120317)		
412185.57	3728490.39	108.21665	(14120317)	412205.57
3728490.39	110.96560	(14120317)		
412225.57	3728490.39	114.23303	(14120317)	412245.57
3728490.39	117.56045	(14120317)		
412265.57	3728490.39	121.01292	(14120317)	412285.57
3728490.39	124.63509	(14120317)		
412305.57	3728490.39	128.43782	(14120317)	412325.57
3728490.39	132.49396	(14120317)		
412345.57	3728490.39	136.74056	(14120317)	412365.57
3728490.39	141.15131	(14120317)		
412145.57	3728510.39	102.82133	(14120317)	412165.57

3728510.39	105.49546	(14120317)			
	412185.57	3728510.39	108.30285	(14120317)	412205.57
3728510.39	111.01624	(14120317)			
	412225.57	3728510.39	114.05757	(14120317)	412245.57
3728510.39	117.28978	(14120317)			
	412265.57	3728510.39	120.68377	(14120317)	412285.57
3728510.39	124.24038	(14120317)			
	412305.57	3728510.39	128.01054	(14120317)	412325.57
3728510.39	132.01201	(14120317)			
	412345.57	3728510.39	136.24082	(14120317)	412365.57
3728510.39	140.76401	(14120317)			
	412145.57	3728530.39	102.78054	(14120317)	412165.57
3728530.39	105.40784	(14120317)			
	412185.57	3728530.39	108.13071	(14120317)	412205.57
3728530.39	110.80559	(14120317)			
	412225.57	3728530.39	113.96220	(14120317)	412245.57
3728530.39	117.18477	(14120317)			
	412265.57	3728530.39	120.51349	(14120317)	412285.57
3728530.39	124.00935	(14120317)			
	412305.57	3728530.39	127.73388	(14120317)	412325.57
3728530.39	131.66459	(14120317)			
	412345.57	3728530.39	135.83229	(14120317)	412365.57
3728530.39	140.09646	(14120317)			
	412145.57	3728550.39	102.41048	(14120317)	412165.57
3728550.39	104.99059	(14120317)			
	412185.57	3728550.39	107.69170	(14120317)	412205.57
3728550.39	110.31065	(14120317)			
	412225.57	3728550.39	113.40230	(14120317)	412245.57
3728550.39	116.57878	(14120317)			
	412265.57	3728550.39	119.85274	(14120317)	412285.57
3728550.39	123.29071	(14120317)			
	412305.57	3728550.39	126.94252	(14120317)	412325.57
3728550.39	130.79947	(14120317)			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 L000022 , L000023 , L000024 , L000025 , L000026

, L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412345.57	3728550.39	134.93654	(14120317)	412365.57
3728550.39	139.03383	(14120317)		
412145.57	3728570.39	101.75817	(14120317)	412165.57
3728570.39	104.28428	(14120317)		
412185.57	3728570.39	106.95161	(14120317)	412205.57
3728570.39	109.48257	(14120317)		
412225.57	3728570.39	112.49868	(14120317)	412245.57
3728570.39	115.60502	(14120317)		
412265.57	3728570.39	118.78337	(14120317)	412285.57
3728570.39	122.15717	(14120317)		
412305.57	3728570.39	125.70214	(14120317)	412325.57
3728570.39	129.45142	(14120317)		
412345.57	3728570.39	133.45487	(14120317)	412365.57
3728570.39	137.48535	(14120317)		
412145.57	3728590.39	100.81952	(14120317)	412165.57
3728590.39	103.25860	(14120317)		
412185.57	3728590.39	105.86688	(14120317)	412205.57
3728590.39	108.29775	(14120317)		
412225.57	3728590.39	111.07713	(14120317)	412245.57
3728590.39	114.00631	(14120317)		
412265.57	3728590.39	117.07152	(14120317)	412285.57
3728590.39	120.31090	(14120317)		
412305.57	3728590.39	123.73324	(14120317)	412325.57
3728590.39	127.36218	(14120317)		
412345.57	3728590.39	131.20400	(14120317)	412365.57
3728590.39	135.33757	(14120317)		
412145.57	3728610.39	99.54063	(14120317)	412165.57
3728610.39	101.89052	(14120317)		
412185.57	3728610.39	104.38340	(14120317)	412205.57
3728610.39	106.73721	(14120317)		
412225.57	3728610.39	109.49733	(14120317)	412245.57
3728610.39	112.30715	(14120317)		
412265.57	3728610.39	115.23288	(14120317)	412285.57
3728610.39	118.34605	(14120317)		
412305.57	3728610.39	121.65077	(14120317)	412325.57
3728610.39	125.08969	(14120317)		
412345.57	3728610.39	128.73549	(14120317)	412365.57
3728610.39	132.55624	(14120317)		

412145.57	3728630.39	97.88277	(14120317)	412165.57
3728630.39	100.12990	(14120317)		
412185.57	3728630.39	102.46977	(14120317)	412205.57
3728630.39	104.73617	(14120317)		
412225.57	3728630.39	107.37298	(14120317)	412245.57
3728630.39	110.03303	(14120317)		
412265.57	3728630.39	112.79613	(14120317)	412285.57
3728630.39	115.72146	(14120317)		
412305.57	3728630.39	118.82971	(14120317)	412325.57
3728630.39	122.09166	(14120317)		
412345.57	3728630.39	125.52520	(14120317)	412365.57
3728630.39	129.01889	(14120317)		
412145.57	3728650.39	95.86681	(14120317)	412165.57
3728650.39	97.93085	(14120317)		
412185.57	3728650.39	100.08181	(14120317)	412205.57
3728650.39	102.30784	(14120317)		
412225.57	3728650.39	104.65113	(14120317)	412245.57
3728650.39	107.09822	(14120317)		
412265.57	3728650.39	109.65787	(14120317)	412285.57
3728650.39	112.35535	(14120317)		
412305.57	3728650.39	115.19156	(14120317)	412325.57
3728650.39	118.18368	(14120317)		
412345.57	3728650.39	121.34680	(14120317)	412365.57
3728650.39	124.70286	(14120317)		
412145.57	3728670.39	93.58967	(14120317)	412165.57
3728670.39	95.49498	(14120317)		
412185.57	3728670.39	97.47007	(14120317)	412205.57
3728670.39	99.52589	(14120317)		
412225.57	3728670.39	101.66580	(14120317)	412245.57
3728670.39	103.89947	(14120317)		
412265.57	3728670.39	106.21787	(14120317)	412285.57
3728670.39	108.65815	(14120317)		
412305.57	3728670.39	111.22776	(14120317)	412325.57
3728670.39	113.90330	(14120317)		
412345.57	3728670.39	116.75359	(14120317)	412365.57
3728670.39	119.61036	(14120317)		
412145.57	3728690.39	90.80881	(14120317)	412165.57
3728690.39	92.54479	(14120317)		
412185.57	3728690.39	94.31281	(14120317)	412205.57
3728690.39	96.15682	(14120317)		
412225.57	3728690.39	98.06151	(14120317)	412245.57
3728690.39	100.03023	(14120317)		

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YMMDDHH)		
412265.57	3728690.39	102.09004	(14120317)	412285.57
3728690.39	104.22683	(14120317)		
412305.57	3728690.39	106.47490	(14120317)	412325.57
3728690.39	108.76853	(14120317)		
412345.57	3728690.39	111.19711	(14120317)	412365.57
3728690.39	113.79008	(14120317)		
412145.57	3728710.39	87.71483	(14120317)	412165.57
3728710.39	89.16697	(14120317)		
412185.57	3728710.39	90.82135	(14120317)	412205.57
3728710.39	92.43345	(14120317)		
412225.57	3728710.39	94.09052	(14120317)	412245.57
3728710.39	95.79411	(14120317)		
412265.57	3728710.39	97.57442	(14120317)	412285.57
3728710.39	99.40323	(14120317)		
412305.57	3728710.39	101.29167	(14120317)	412325.57
3728710.39	103.20446	(14120317)		
412345.57	3728710.39	105.20284	(14120317)	412365.57
3728710.39	107.34009	(14120317)		
412145.57	3728730.39	84.40799	(14120317)	412165.57
3728730.39	85.58774	(14120317)		
412185.57	3728730.39	87.06114	(14120317)	412205.57
3728730.39	88.44500	(14120317)		
412225.57	3728730.39	89.84376	(14120317)	412245.57
3728730.39	91.27643	(14120317)		
412265.57	3728730.39	92.73764	(14120317)	412285.57
3728730.39	94.22914	(14120317)		
412305.57	3728730.39	95.74952	(14120317)	412325.57
3728730.39	97.30590	(14120317)		
412345.57	3728730.39	102.16403	(13012117)	412365.57

3728730.39	109.64328	(13012117)			
	412145.57	3728750.39	80.75211	(14120317)	412165.57
3728750.39	81.68998	(14120317)			
	412185.57	3728750.39	82.92876	(14120317)	412205.57
3728750.39	84.06242	(14120317)			
	412225.57	3728750.39	85.19567	(14120317)	412245.57
3728750.39	86.33476	(14120317)			
	412265.57	3728750.39	87.48404	(14120317)	412285.57
3728750.39	88.63289	(14120317)			
	412305.57	3728750.39	90.69233	(13012117)	412325.57
3728750.39	97.39178	(13012117)			
	412345.57	3728750.39	104.47158	(13012117)	412365.57
3728750.39	111.88219	(13012117)			
	412145.57	3728770.39	76.76028	(14120317)	412165.57
3728770.39	77.52701	(14120317)			
	412185.57	3728770.39	78.44011	(14120317)	412205.57
3728770.39	79.30662	(14120317)			
	412225.57	3728770.39	80.16771	(14120317)	412245.57
3728770.39	81.01992	(14120317)			
	412265.57	3728770.39	81.85150	(14120317)	412285.57
3728770.39	86.51984	(13012117)			
	412305.57	3728770.39	92.82562	(13012117)	412325.57
3728770.39	99.47625	(13012117)			
	412345.57	3728770.39	106.50302	(13012117)	412365.57
3728770.39	113.97539	(13012117)			
	412145.57	3728790.39	72.60335	(14120317)	412165.57
3728790.39	73.18876	(14120317)			
	412185.57	3728790.39	73.91493	(14120317)	412205.57
3728790.39	74.53577	(14120317)			
	412225.57	3728790.39	75.12964	(14120317)	412245.57
3728790.39	77.18565	(13012117)			
	412265.57	3728790.39	82.79697	(13012117)	412285.57
3728790.39	88.74781	(13012117)			
	412305.57	3728790.39	95.03844	(13012117)	412325.57
3728790.39	101.64065	(13012117)			
	412345.57	3728790.39	108.59039	(13012117)	412365.57
3728790.39	115.92538	(13012117)			
	412145.57	3728810.39	68.36215	(14120317)	412165.57
3728810.39	68.72084	(14120317)			
	412185.57	3728810.39	69.23523	(14120317)	412205.57
3728810.39	69.63050	(14120317)			
	412225.57	3728810.39	73.98800	(13012117)	412245.57
3728810.39	79.33023	(13012117)			
	412265.57	3728810.39	84.95983	(13012117)	412285.57
3728810.39	90.89826	(13012117)			
	412305.57	3728810.39	97.14952	(13012117)	412325.57
3728810.39	103.72405	(13012117)			
	412345.57	3728810.39	110.58254	(13012117)	412365.57
3728810.39	117.68717	(13012117)			
	412145.57	3728830.39	64.00670	(14120317)	412165.57

3728830.39 64.17944 (14120317)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
412185.57	3728830.39	66.19650	(13012117)	412205.57	
3728830.39	70.97987	(13012117)			
412225.57	3728830.39	76.04441	(13012117)	412245.57	
3728830.39	81.37088	(13012117)			
412265.57	3728830.39	86.96962	(13012117)	412285.57	
3728830.39	92.88835	(13012117)			
412305.57	3728830.39	99.08778	(13012117)	412325.57	
3728830.39	105.54493	(13012117)			
412345.57	3728830.39	112.27895	(13012117)	412365.57	
3728830.39	119.22547	(13012117)			
412145.57	3728850.39	59.63219	(14120317)	412165.57	
3728850.39	63.51068	(13012117)			
412185.57	3728850.39	68.05601	(13012117)	412205.57	
3728850.39	72.84250	(13012117)			
412225.57	3728850.39	77.89222	(13012117)	412245.57	
3728850.39	83.20554	(13012117)			
412265.57	3728850.39	88.77793	(13012117)	412285.57	
3728850.39	94.62218	(13012117)			
412305.57	3728850.39	100.72200	(13012117)	412325.57	
3728850.39	107.05652	(13012117)			

412345.57	3728850.39	113.63980	(13012117)	412365.57
3728850.39	120.50966	(13012117)		
412145.57	3728870.39	61.15349	(13012117)	412165.57
3728870.39	65.40669	(13012117)		
412185.57	3728870.39	70.04757	(13012117)	412205.57
3728870.39	74.84331	(13012117)		
412225.57	3728870.39	79.88928	(13012117)	412245.57
3728870.39	85.16644	(13012117)		
412265.57	3728870.39	90.69811	(13012117)	412285.57
3728870.39	96.44986	(13012117)		
412305.57	3728870.39	102.43583	(13012117)	412325.57
3728870.39	108.62041	(13012117)		
412345.57	3728870.39	115.00176	(13012117)	412365.57
3728870.39	121.52585	(13012117)		
412145.57	3728890.39	62.95867	(13012117)	412165.57
3728890.39	67.23821	(13012117)		
412185.57	3728890.39	71.91314	(13012117)	412205.57
3728890.39	76.69853	(13012117)		
412225.57	3728890.39	81.70672	(13012117)	412245.57
3728890.39	86.93662	(13012117)		
412265.57	3728890.39	92.39705	(13012117)	412285.57
3728890.39	98.05986	(13012117)		
412305.57	3728890.39	103.88202	(13012117)	412325.57
3728890.39	109.90537	(13012117)		
412345.57	3728890.39	116.06516	(13012117)	412365.57
3728890.39	122.23431	(13012117)		
412145.57	3728910.39	64.73429	(13012117)	412165.57
3728910.39	69.01486	(13012117)		
412185.57	3728910.39	73.65118	(13012117)	412205.57
3728910.39	78.40993	(13012117)		
412225.57	3728910.39	83.38504	(13012117)	412245.57
3728910.39	88.53615	(13012117)		
412265.57	3728910.39	93.87942	(13012117)	412285.57
3728910.39	99.40546	(13012117)		
412305.57	3728910.39	105.06996	(13012117)	412325.57
3728910.39	110.83859	(13012117)		
412345.57	3728910.39	116.72235	(13012117)	412365.57
3728910.39	122.61904	(13012117)		
412145.57	3728930.39	66.46199	(13012117)	412165.57
3728930.39	70.70782	(13012117)		
412185.57	3728930.39	75.24086	(13012117)	412205.57
3728930.39	79.94426	(13012117)		
412225.57	3728930.39	84.82811	(13012117)	412245.57
3728930.39	89.88759	(13012117)		
412265.57	3728930.39	95.09734	(13012117)	412285.57
3728930.39	100.44668	(13012117)		
412305.57	3728930.39	105.90356	(13012117)	412325.57
3728930.39	111.44749	(13012117)		
412345.57	3728930.39	117.04129	(13012117)	412365.57
3728930.39	122.68628	(13012117)		

412145.57	3728950.39	68.10636	(13012117)	412165.57
3728950.39	72.34120	(13012117)		
412185.57	3728950.39	76.88584	(13012117)	412205.57
3728950.39	81.52972	(13012117)		
412225.57	3728950.39	86.33701	(13012117)	412245.57
3728950.39	91.28123	(13012117)		
412265.57	3728950.39	96.34029	(13012117)	412285.57
3728950.39	101.50760	(13012117)		
412305.57	3728950.39	106.73524	(13012117)	412325.57
3728950.39	112.00645	(13012117)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 , ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 , ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 , ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

412345.57	3728950.39	117.27170	(13012117)	412365.57
3728950.39	122.42027	(13012117)		
412145.57	3728970.39	69.69936	(13012117)	412165.57
3728970.39	73.86775	(13012117)		
412185.57	3728970.39	78.35991	(13012117)	412205.57
3728970.39	82.92982	(13012117)		
412225.57	3728970.39	87.60972	(13012117)	412245.57
3728970.39	92.41553	(13012117)		
412265.57	3728970.39	97.29065	(13012117)	412285.57
3728970.39	102.25957	(13012117)		
412305.57	3728970.39	107.23897	(13012117)	412325.57

3728970.39	112.20657	(13012117)			
	412345.57	3728970.39	117.13743	(13012117)	412365.57
3728970.39	121.83045	(13012117)			
	412145.57	3728990.39	71.16913	(13012117)	412165.57
3728990.39	75.27917	(13012117)			
	412185.57	3728990.39	79.65032	(13012117)	412205.57
3728990.39	84.11707	(13012117)			
	412225.57	3728990.39	88.66098	(13012117)	412245.57
3728990.39	93.30270	(13012117)			
	412265.57	3728990.39	97.97288	(13012117)	412285.57
3728990.39	102.68419	(13012117)			
	412305.57	3728990.39	107.39587	(13012117)	412325.57
3728990.39	112.04167	(13012117)			
	412345.57	3728990.39	116.58833	(13012117)	412365.57
3728990.39	120.91467	(13012117)			
	412145.57	3729010.39	72.53960	(13012117)	412165.57
3729010.39	76.60231	(13012117)			
	412185.57	3729010.39	80.81586	(13012117)	412205.57
3729010.39	85.14357	(13012117)			
	412225.57	3729010.39	89.54089	(13012117)	412245.57
3729010.39	93.99017	(13012117)			
	412265.57	3729010.39	98.45395	(13012117)	412285.57
3729010.39	102.90538	(13012117)			
	412305.57	3729010.39	107.30905	(13012117)	412325.57
3729010.39	111.59936	(13012117)			
	412345.57	3729010.39	115.76250	(13012117)	412365.57
3729010.39	119.70354	(13012117)			
	411515.35	3723339.37	9.00443	(16122117)	411566.95
3723321.50	8.58543	(16122117)			
	411209.71	3721870.71	5.63238	(16122117)	410711.56
3722303.37	7.90746	(16122117)			
	411481.61	3723222.27	8.70371	(16122117)	412561.33
3728653.10	207.69348	(13012117)			
	413259.39	3728649.87	180.14521	(16101917)	412826.33
3727832.22	377.65885	(16112917)			
	412377.11	3727858.08	146.47525	(16122217)	412380.35
3728258.82	136.55562	(13121917)			
	412583.95	3728262.05	225.41823	(16122217)	

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 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146


```

, L0000147   , L0000148   , L0000149   ,
              L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
              L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
              L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
406928.54	3720436.98	12.72689	(13120917)	407433.29
3720436.98	13.51401	(13120917)		
407938.04	3720436.98	16.39635	(16122217)	408442.79
3720436.98	18.89428	(16122217)		
408947.54	3720436.98	15.85932	(16122217)	409452.29
3720436.98	25.73482	(14122617)		
409957.04	3720436.98	30.24923	(14122617)	410461.79
3720436.98	30.94509	(16122117)		
410966.54	3720436.98	37.08673	(16112917)	411471.29
3720436.98	27.90236	(16121917)		
411976.04	3720436.98	35.88964	(16121917)	412480.79
3720436.98	12.58318	(16121917)		
412985.54	3720436.98	21.50587	(13012517)	413490.29
3720436.98	21.33459	(13012517)		
413995.04	3720436.98	21.16601	(14110517)	414499.79
3720436.98	18.25517	(12012417)		
415004.54	3720436.98	27.67271	(12012417)	415509.29
3720436.98	18.97281	(12012417)		
416014.04	3720436.98	10.61392	(12012417)	416518.79
3720436.98	8.73785	(15121517)		
417023.54	3720436.98	8.97520	(15121517)	406928.54
3720940.90	11.47154	(13120917)		
407433.29	3720940.90	14.99452	(13120917)	407938.04
3720940.90	18.13273	(13120917)		
408442.79	3720940.90	19.45248	(16122217)	408947.54
3720940.90	26.20433	(16122217)		
409452.29	3720940.90	24.11440	(16122217)	409957.04
3720940.90	40.50503	(14122617)		
410461.79	3720940.90	36.43234	(16122117)	410966.54
3720940.90	48.37190	(16112917)		
411471.29	3720940.90	44.87294	(16121917)	411976.04
3720940.90	40.14101	(16121917)		

412480.79	3720940.90	27.71382	(13012517)	412985.54
3720940.90	66.72760 (16102417)			
413490.29	3720940.90	50.24073	(16102417)	413995.04
3720940.90	39.49379 (12012417)			
414499.79	3720940.90	29.39078	(12012417)	415004.54
3720940.90	15.50399 (12012417)			
415509.29	3720940.90	20.30797	(15121517)	416014.04
3720940.90	22.86092 (15121517)			
416518.79	3720940.90	23.67388	(13012417)	417023.54
3720940.90	10.46665 (15121517)			
406928.54	3721444.82	10.50482	(13122517)	407433.29
3721444.82	12.22574 (13122517)			
407938.04	3721444.82	15.57996	(13120917)	408442.79
3721444.82	22.40396 (13120917)			
408947.54	3721444.82	29.05608	(13120917)	409452.29
3721444.82	37.31081 (16122217)			
409957.04	3721444.82	41.22080	(16122217)	410461.79
3721444.82	70.01529 (14122617)			
410966.54	3721444.82	68.18979	(16122117)	411471.29
3721444.82	80.36977 (16121917)			
411976.04	3721444.82	35.63050	(13012517)	412480.79
3721444.82	97.83443 (13012517)			
412985.54	3721444.82	61.17774	(14110517)	413490.29
3721444.82	48.84049 (12012417)			
413995.04	3721444.82	27.48048	(15121517)	414499.79
3721444.82	34.99783 (13012417)			
415004.54	3721444.82	37.71463	(13012417)	415509.29
3721444.82	34.46453 (13012417)			
416014.04	3721444.82	29.02883	(16110917)	416518.79
3721444.82	26.12654 (16110917)			
417023.54	3721444.82	25.45236	(14010117)	406928.54
3721948.74	13.79424 (13121917)			
407433.29	3721948.74	15.41655	(13121917)	407938.04
3721948.74	17.05331 (13121917)			
408442.79	3721948.74	18.45396	(13122517)	408947.54
3721948.74	23.93312 (13122517)			
409452.29	3721948.74	38.95475	(13120917)	409957.04
3721948.74	59.05419 (13120917)			
410461.79	3721948.74	88.16693	(16122217)	410966.54
3721948.74	130.73218 (16122117)			
411471.29	3721948.74	160.73063	(16121917)	411976.04
3721948.74	92.45691 (13012517)			
412480.79	3721948.74	88.47941	(12012417)	412985.54
3721948.74	60.45316 (13012417)			
413490.29	3721948.74	68.00725	(13012417)	413995.04
3721948.74	57.93872 (13012417)			
414499.79	3721948.74	49.20653	(14010117)	415004.54
3721948.74	48.79622 (14010117)			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
415509.29	3721948.74	44.02096 (14010117)	416014.04
3721948.74	37.47569 (14010117)		
416518.79	3721948.74	34.17521 (14120117)	417023.54
3721948.74	33.37241 (14120117)		
406928.54	3722452.66	13.58595 (13121917)	407433.29
3722452.66	16.41011 (13121917)		
407938.04	3722452.66	20.22223 (13121917)	408442.79
3722452.66	25.54128 (13121917)		
408947.54	3722452.66	33.27887 (13121917)	409452.29
3722452.66	45.14976 (13121917)		
409957.04	3722452.66	64.55810 (13121917)	410461.79
3722452.66	97.14990 (13121917)		
411471.29	3722452.66	300.99395 (13012517)	411976.04
3722452.66	136.10286 (15121517)		
412480.79	3722452.66	138.77250 (14120117)	412985.54
3722452.66	117.12105 (14120117)		
413490.29	3722452.66	97.87568 (14120117)	413995.04
3722452.66	77.27659 (14120117)		
414499.79	3722452.66	62.38646 (14120117)	415004.54
3722452.66	49.22608 (14120117)		
415509.29	3722452.66	42.73760 (13121617)	416014.04
3722452.66	37.17428 (13121617)		
416518.79	3722452.66	33.48067 (13121617)	417023.54

3722452.66	31.40048	(13121617)		
406928.54	3722956.58		11.93995	(15012617)
3722956.58	13.94420	(15012617)		407433.29
407938.04	3722956.58		16.59106	(15012617)
3722956.58	20.15478	(15012617)		408442.79
408947.54	3722956.58		25.21712	(15012617)
3722956.58	32.48581	(15012617)		409452.29
409957.04	3722956.58		55.19355	(14120317)
3722956.58	98.29005	(14120317)		410461.79
410966.54	3722956.58		183.89691	(14120317)
3722956.58	160.31872	(14111317)		411976.04
412480.79	3722956.58		176.96521	(13121717)
3722956.58	139.71485	(13120217)		412985.54
413490.29	3722956.58		102.32482	(13120217)
3722956.58	69.84774	(13120217)		413995.04
414499.79	3722956.58		55.87822	(13011617)
3722956.58	48.45199	(13011617)		415004.54
415509.29	3722956.58		41.86128	(13011617)
3722956.58	36.08492	(13011617)		416014.04
416518.79	3722956.58		32.22700	(13011617)
3722956.58	25.72436	(13011617)		417023.54
406928.54	3723460.50		9.82241	(14120317)
3723460.50	12.92918	(14120317)		407433.29
407938.04	3723460.50		17.05899	(14120317)
3723460.50	22.31820	(14120317)		408442.79
408947.54	3723460.50		28.26354	(14120317)
3723460.50	33.29099	(14120317)		409452.29
409957.04	3723460.50		33.36025	(14120317)
3723460.50	50.12848	(13012117)		410461.79
410966.54	3723460.50		118.94076	(13012117)
3723460.50	183.07912	(15120717)		411471.29
411976.04	3723460.50		124.10427	(12101617)
3723460.50	78.36190	(14110617)		412480.79
412985.54	3723460.50		119.87654	(15120117)
3723460.50	99.60961	(13010117)		413490.29
413995.04	3723460.50		87.36152	(13121717)
3723460.50	64.38709	(13121717)		414499.79
415004.54	3723460.50		48.83719	(13120217)
3723460.50	45.12554	(13120217)		415509.29
416014.04	3723460.50		40.47185	(13120217)
3723460.50	33.13270	(13120217)		416518.79
417023.54	3723460.50		23.26774	(13020117)
3723964.42	12.55273	(14120317)		406928.54
407433.29	3723964.42		14.32137	(14120317)
3723964.42	15.56421	(14120317)		407938.04
408442.79	3723964.42		15.55510	(14120317)
3723964.42	13.67494	(14120317)		408947.54
409452.29	3723964.42		10.01336	(14120317)
3723964.42	24.45903	(13012117)		409957.04
410461.79	3723964.42		59.32904	(13012117)

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3723964.42      84.22921 (12112917)
      411471.29  3723964.42      92.04325 (15121017)      411976.04
3723964.42      137.51241 (15120817)
      412480.79  3723964.42      118.72802 (14011517)      412985.54
3723964.42      99.83387 (13012217)
      413490.29  3723964.42      78.14136 (16110317)      413995.04
3723964.42      71.07656 (12122517)

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2      ***
      INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
414499.79	3723964.42	59.05184 (13010117)		415004.54
3723964.42	49.36941 (13010117)			
415509.29	3723964.42	45.51634 (13121717)		416014.04
3723964.42	41.95605 (13121717)			
416518.79	3723964.42	34.29167 (13121717)		417023.54
3723964.42	22.45533 (13121717)			
406928.54	3724468.34	9.38242 (14120317)		407433.29
3724468.34	12.00323 (14120317)			
407938.04	3724468.34	7.35841 (14120317)		408442.79
3724468.34	5.52487 (14120317)			
408947.54	3724468.34	5.77938 (12020717)		409452.29
3724468.34	15.19212 (14121617)			
409957.04	3724468.34	33.79443 (13012117)		410461.79
3724468.34	34.86297 (13012117)			

410966.54	3724468.34	53.54101	(12121217)	411471.29
3724468.34	56.56085	(15121017)		
411976.04	3724468.34	54.82039	(14111817)	412480.79
3724468.34	107.40510	(12111317)		
412985.54	3724468.34	75.30198	(15122917)	413490.29
3724468.34	70.69782	(16112317)		
413995.04	3724468.34	60.96969	(16110317)	414499.79
3724468.34	48.76273	(12122517)		
415004.54	3724468.34	46.83424	(12122517)	415509.29
3724468.34	38.78904	(15120117)		
416014.04	3724468.34	36.31333	(13010117)	416518.79
3724468.34	30.48790	(13010117)		
417023.54	3724468.34	26.04377	(12120417)	406928.54
3724972.26	5.35763	(12112609)		
407433.29	3724972.26	4.74967	(12112609)	407938.04
3724972.26	4.90686	(12112109)		
408442.79	3724972.26	5.06323	(15021909)	408947.54
3724972.26	10.41797	(14121617)		
409452.29	3724972.26	21.20705	(13012117)	409957.04
3724972.26	27.77567	(13012117)		
410461.79	3724972.26	31.40326	(12112917)	410966.54
3724972.26	40.44990	(12121217)		
411471.29	3724972.26	38.55800	(15121017)	411976.04
3724972.26	39.99775	(16110817)		
412480.79	3724972.26	36.53941	(14102417)	412985.54
3724972.26	81.94536	(13112917)		
413490.29	3724972.26	53.36184	(15122917)	413995.04
3724972.26	56.06392	(16112317)		
414499.79	3724972.26	43.83355	(15121817)	415004.54
3724972.26	40.22207	(16110317)		
415509.29	3724972.26	34.63597	(12122517)	416014.04
3724972.26	34.33541	(12122517)		
416518.79	3724972.26	27.39616	(15120117)	417023.54
3724972.26	23.92592	(13010117)		
406928.54	3725476.18	4.00696	(13020509)	407433.29
3725476.18	4.31719	(12112109)		
407938.04	3725476.18	4.57331	(15021909)	408442.79
3725476.18	7.61220	(14121617)		
408947.54	3725476.18	14.28074	(13012117)	409452.29
3725476.18	20.88356	(13012117)		
409957.04	3725476.18	17.28112	(13012117)	410461.79
3725476.18	28.32730	(12112917)		
410966.54	3725476.18	31.00054	(12121217)	411471.29
3725476.18	28.89725	(14111717)		
411976.04	3725476.18	30.40667	(15120717)	412480.79
3725476.18	28.34323	(13112817)		
412985.54	3725476.18	40.61456	(15111217)	413490.29
3725476.18	59.15684	(13112917)		
413995.04	3725476.18	40.63089	(15122917)	414499.79
3725476.18	43.16144	(16112317)		

415004.54 3725476.18 34.08502 (15121817) 415509.29
3725476.18 32.00817 (16110317)
416014.04 3725476.18 27.86669 (16110317) 416518.79
3725476.18 24.77160 (12122517)
417023.54 3725476.18 18.03813 (12122517) 406928.54
3725980.10 3.66991 (12112109)
407433.29 3725980.10 4.11187 (15021909) 407938.04
3725980.10 6.58911 (12011617)
408442.79 3725980.10 10.44949 (14121617) 408947.54
3725980.10 15.64042 (13012117)
409452.29 3725980.10 15.96471 (13012117) 409957.04
3725980.10 15.32579 (12112917)
410461.79 3725980.10 23.64512 (12112917) 410966.54
3725980.10 24.31590 (12121217)
411471.29 3725980.10 23.22253 (14111717) 411976.04
3725980.10 24.01226 (15120717)

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
412480.79	3725980.10	23.34318	(16110817)	412985.54
3725980.10	22.00214 (14102417)			
413490.29	3725980.10	44.52228	(12111317)	413995.04
3725980.10	43.33199 (13112917)			
414499.79	3725980.10	31.06242	(15122917)	415004.54

3725980.10	33.46416	(16112317)			
415509.29	3725980.10		27.01247	(15120917)	416014.04
3725980.10	24.03896	(15121817)			
416518.79	3725980.10		21.98579	(16110317)	417023.54
3725980.10	19.18507	(16111017)			
406928.54	3726484.02		3.73588	(15021909)	407433.29
3726484.02	5.38900	(12011617)			
407938.04	3726484.02		10.35940	(13012117)	408442.79
3726484.02	21.77988	(13012117)			
408947.54	3726484.02		13.71575	(13012117)	409452.29
3726484.02	10.49964	(13012117)			
409957.04	3726484.02		15.85622	(12112917)	410461.79
3726484.02	19.04469	(12112917)			
410966.54	3726484.02		19.48640	(12121217)	411471.29
3726484.02	19.20248	(14111717)			
411976.04	3726484.02		19.81715	(15121017)	412480.79
3726484.02	19.75628	(16110817)			
412985.54	3726484.02		18.04345	(13121017)	413490.29
3726484.02	36.88730	(13112617)			
413995.04	3726484.02		35.06547	(12111317)	414499.79
3726484.02	29.49073	(13112917)			
415004.54	3726484.02		24.59107	(15122917)	415509.29
3726484.02	25.60637	(16112317)			
416014.04	3726484.02		20.73677	(12010317)	416518.79
3726484.02	18.73951	(15121817)			
417023.54	3726484.02		16.03690	(16110317)	406928.54
3726987.94	4.76493	(12020717)			
407433.29	3726987.94		7.90802	(14121617)	407938.04
3726987.94	16.50793	(13012117)			
408442.79	3726987.94		23.92571	(13012117)	408947.54
3726987.94	10.35536	(13012117)			
409452.29	3726987.94		8.71801	(12112917)	409957.04
3726987.94	15.14845	(12112917)			
410461.79	3726987.94		15.47375	(12121217)	410966.54
3726987.94	15.91087	(12121217)			
411471.29	3726987.94		16.23000	(14111717)	411976.04
3726987.94	17.05860	(15121017)			
412480.79	3726987.94		16.01411	(16110817)	412985.54
3726987.94	25.66108	(16102717)			
413490.29	3726987.94		30.60939	(15120817)	413995.04
3726987.94	29.51845	(13112617)			
414499.79	3726987.94		26.89527	(13112917)	415004.54
3726987.94	23.24416	(14112617)			
415509.29	3726987.94		19.16636	(15122917)	416014.04
3726987.94	19.19850	(16112317)			
416518.79	3726987.94		16.68797	(12010317)	417023.54
3726987.94	15.42759	(15121817)			
406928.54	3727491.86		6.64684	(12011617)	407433.29
3727491.86	12.92368	(13012117)			
407938.04	3727491.86		19.36044	(13012117)	408442.79

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
3727995.78	410461.79	3727995.78	12.45519	(12121217)	410966.54
3727995.78	411471.29	3727995.78	12.18361	(14111717)	411976.04
3727995.78	412985.54	3727995.78	12.35084	(16110817)	413490.29
3727995.78	413995.04	3727995.78	18.56559	(15120817)	414499.79
3727995.78	415004.54	3727995.78	22.38327	(12111317)	415509.29
3727995.78	416014.04	3727995.78	8.64172	(13122417)	416518.79
3728499.70	417023.54	3727995.78	11.07188	(14122317)	406928.54
3728499.70	407433.29	3728499.70	14.79045	(13012117)	407938.04
3728499.70	408442.79	3728499.70	6.96846	(13012117)	408947.54
3728499.70	409452.29	3728499.70	9.71058	(12112917)	409957.04
3728499.70	410461.79	3728499.70	11.11440	(12121217)	410966.54
3728499.70	411471.29	3728499.70	10.75515	(14111717)	411976.04
3728499.70	412480.79	3728499.70	10.70330	(15120717)	413490.29
3728499.70	413995.04	3728499.70	14.84818	(15120817)	414499.79
3728499.70	415004.54	3728499.70	14.37730	(13112617)	415509.29
3728499.70	416014.04	3728499.70	11.33100	(14010617)	416518.79
3729003.62	417023.54	3728499.70	11.06887	(12010517)	406928.54
3729003.62	407433.29	3729003.62	13.74551	(13012117)	407938.04
3729003.62	408442.79	3729003.62	3.78229	(13012317)	408947.54
3729003.62	409452.29	3729003.62	9.19131	(12112917)	409957.04
3729003.62	410461.79	3729003.62	9.91911	(12121217)	410966.54
3729003.62	411471.29	3729003.62	9.58610	(14111717)	411976.04
3729003.62	412480.79	3729003.62	9.38384	(15121017)	412985.54
3729003.62	413995.04	3729003.62	12.42182	(15120717)	

413490.29	3729003.62	9.45753	(16110817)	413995.04
3729003.62	14.47787	(15010617)		
414499.79	3729003.62	14.34902	(15120817)	415004.54
3729003.62	13.71854	(15111217)		
415509.29	3729003.62	12.08465	(16012217)	416014.04
3729003.62	11.28295	(14120817)		
416518.79	3729003.62	11.88308	(14112617)	417023.54
3729003.62	10.72790	(15122917)		
406928.54	3729507.54	11.17912	(13012117)	407433.29
3729507.54	9.76332	(13012117)		
407938.04	3729507.54	5.13839	(13012117)	408442.79
3729507.54	4.67223	(12112917)		
408947.54	3729507.54	10.57958	(12112917)	409452.29
3729507.54	8.48588	(12112917)		
409957.04	3729507.54	7.89384	(12121217)	410461.79
3729507.54	8.86466	(12121217)		
410966.54	3729507.54	8.72281	(14111717)	411471.29
3729507.54	8.61716	(14111717)		
411976.04	3729507.54	11.67988	(15121017)	412480.79
3729507.54	9.27949	(15121017)		
412985.54	3729507.54	12.32369	(15120717)	413490.29
3729507.54	13.25135	(13122717)		
413995.04	3729507.54	13.02796	(14111817)	414499.79
3729507.54	13.37737	(15120817)		
415004.54	3729507.54	12.60905	(15112717)	415509.29
3729507.54	12.29488	(13112617)		
416014.04	3729507.54	12.09555	(12111317)	416518.79
3729507.54	12.83078	(13112917)		
417023.54	3729507.54	11.27013	(14112617)	406928.54
3730011.46	5.11647	(13012117)		
407433.29	3730011.46	4.15279	(13012117)	407938.04
3730011.46	2.98555	(13012117)		
408442.79	3730011.46	5.52362	(12112917)	408947.54
3730011.46	9.22589	(12112917)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,

L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
409452.29	3730011.46	7.69708	(12112917)	409957.04
3730011.46	7.45547 (12121217)			
410461.79	3730011.46	8.06187	(12121217)	410966.54
3730011.46	10.22951 (14111717)			
411471.29	3730011.46	11.79330	(14111717)	411976.04
3730011.46	7.88413 (15121017)			
412480.79	3730011.46	10.66294	(15121017)	412985.54
3730011.46	9.55175 (15120717)			
413490.29	3730011.46	12.62448	(13122717)	413995.04
3730011.46	13.07846 (16102717)			
414499.79	3730011.46	12.57355	(15010617)	415004.54
3730011.46	12.54357 (15120817)			
415509.29	3730011.46	11.95888	(15111217)	416014.04
3730011.46	11.61172 (13112617)			
416518.79	3730011.46	10.92044	(12111317)	417023.54
3730011.46	9.65910 (13112917)			
406928.54	3730515.38	4.16364	(13012117)	407433.29
3730515.38	3.91546 (13012117)			
407938.04	3730515.38	3.30401	(13012317)	408442.79
3730515.38	6.40190 (12112917)			
408947.54	3730515.38	6.64551	(12112917)	409452.29
3730515.38	7.23245 (12112917)			
409957.04	3730515.38	7.07129	(12121217)	410461.79
3730515.38	8.42817 (12121217)			
410966.54	3730515.38	10.98206	(14111717)	411471.29
3730515.38	10.66373 (14111717)			
411976.04	3730515.38	9.47555	(15121017)	412480.79
3730515.38	11.20405 (15121017)			
412985.54	3730515.38	11.21332	(15120717)	413490.29
3730515.38	11.41710 (13122717)			
413995.04	3730515.38	11.81781	(16102717)	414499.79
3730515.38	11.32053 (15010617)			
415004.54	3730515.38	12.31280	(15120817)	415509.29
3730515.38	10.82916 (15112717)			
416014.04	3730515.38	11.26474	(13112617)	416518.79
3730515.38	10.01350 (12111317)			
417023.54	3730515.38	10.07434	(12111317)	410498.80

3722355.26	112.32622	(13120917)			
410518.80	3722355.26		116.15994	(13120917)	410538.80
3722355.26	120.12727	(13120917)			
410558.80	3722355.26		124.23801	(13120917)	410578.80
3722355.26	128.35988	(13120917)			
410598.80	3722355.26		133.09208	(13120917)	410618.80
3722355.26	136.85255	(13120917)			
410638.80	3722355.26		141.23364	(13120917)	410658.80
3722355.26	146.60699	(13120917)			
410678.80	3722355.26		151.38060	(13120917)	410698.80
3722355.26	155.86759	(13120917)			
410718.80	3722355.26		160.35592	(13120917)	410738.80
3722355.26	164.29630	(13120917)			
410498.80	3722375.26		110.40305	(13120917)	410518.80
3722375.26	114.39101	(13120917)			
410538.80	3722375.26		118.57315	(13120917)	410558.80
3722375.26	122.92906	(13120917)			
410578.80	3722375.26		127.79105	(13120917)	410598.80
3722375.26	131.75656	(13120917)			
410618.80	3722375.26		136.37418	(13120917)	410638.80
3722375.26	142.12209	(13120917)			
410658.80	3722375.26		147.20993	(13120917)	410678.80
3722375.26	152.02226	(13120917)			
410698.80	3722375.26		156.89776	(13120917)	410718.80
3722375.26	162.26359	(13120917)			
410738.80	3722375.26		167.39400	(13120917)	410758.80
3722375.26	171.81608	(13120917)			
410498.80	3722395.26		107.88168	(13120917)	410518.80
3722395.26	112.02234	(13120917)			
410538.80	3722395.26		116.32277	(13120917)	410558.80
3722395.26	121.21194	(13120917)			
410578.80	3722395.26		125.42170	(13120917)	410598.80
3722395.26	130.12137	(13120917)			
410618.80	3722395.26		135.86776	(13120917)	410638.80
3722395.26	141.28654	(13120917)			
410658.80	3722395.26		146.41528	(13120917)	410678.80
3722395.26	151.54603	(13120917)			
410698.80	3722395.26		157.05949	(13120917)	410718.80
3722395.26	162.60222	(13120917)			
410738.80	3722395.26		168.67444	(13120917)	410758.80
3722395.26	174.32034	(13120917)			
410778.80	3722395.26		179.53299	(13120917)	410498.80
3722415.26	104.99270	(13120917)			

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
***                                *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                                *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410518.80	3722415.26	109.09722	(13120917)	410538.80
3722415.26	113.78566	(13120917)		
410558.80	3722415.26	118.21488	(13120917)	410578.80
3722415.26	122.77409	(13120917)		
410598.80	3722415.26	128.38328	(13120917)	410618.80
3722415.26	133.94823	(13120917)		
410638.80	3722415.26	139.21876	(13120917)	410658.80
3722415.26	144.50034	(13120917)		
410678.80	3722415.26	150.34817	(13120917)	410698.80
3722415.26	156.19235	(13120917)		
410718.80	3722415.26	161.91823	(13120917)	410738.80
3722415.26	168.32541	(13120917)		
410758.80	3722415.26	175.00191	(13120917)	410778.80
3722415.26	180.99984	(13120917)		
410798.80	3722415.26	187.21035	(13120917)	410498.80
3722435.26	101.45855	(13120917)		
410518.80	3722435.26	105.84527	(13120917)	410538.80
3722435.26	110.38514	(13120917)		
410558.80	3722435.26	114.72179	(13120917)	410578.80
3722435.26	119.95798	(13120917)		
410598.80	3722435.26	125.62774	(13120917)	410618.80
3722435.26	130.85940	(13120917)		
410638.80	3722435.26	136.16323	(13120917)	410658.80
3722435.26	141.99790	(13120917)		
410678.80	3722435.26	148.03255	(13120917)	410698.80
3722435.26	154.07071	(13120917)		
410718.80	3722435.26	160.22650	(13120917)	410738.80
3722435.26	166.64278	(13120917)		

410758.80	3722435.26	173.86306	(13120917)	410778.80
3722435.26	180.99701	(13120917)		
410798.80	3722435.26	187.11900	(13120917)	410818.80
3722435.26	194.67767	(13120917)		
410498.80	3722455.26	101.05070	(13121917)	410518.80
3722455.26	103.29659	(13121917)		
410538.80	3722455.26	106.22051	(13120917)	410558.80
3722455.26	111.04961	(13120917)		
410578.80	3722455.26	116.63312	(13120917)	410598.80
3722455.26	121.76905	(13120917)		
410618.80	3722455.26	126.94788	(13120917)	410638.80
3722455.26	132.57156	(13120917)		
410658.80	3722455.26	138.57009	(13120917)	410678.80
3722455.26	144.68278	(13120917)		
410698.80	3722455.26	150.79041	(13120917)	410718.80
3722455.26	157.23453	(13120917)		
410738.80	3722455.26	163.87374	(13120917)	410758.80
3722455.26	171.44487	(13120917)		
410778.80	3722455.26	178.32713	(13120917)	410798.80
3722455.26	185.09058	(13120917)		
410818.80	3722455.26	193.20348	(13120917)	410838.80
3722455.26	201.81013	(13120917)		
410498.80	3722475.26	105.41925	(13121917)	410518.80
3722475.26	107.48460	(13121917)		
410538.80	3722475.26	109.63508	(13121917)	410558.80
3722475.26	112.66439	(13121917)		
410578.80	3722475.26	115.21302	(13121917)	410598.80
3722475.26	117.55488	(13121917)		
410618.80	3722475.26	122.47853	(13120917)	410638.80
3722475.26	128.30625	(13120917)		
410658.80	3722475.26	134.21661	(13120917)	410678.80
3722475.26	140.41238	(13120917)		
410698.80	3722475.26	146.61667	(13120917)	410718.80
3722475.26	153.11318	(13120917)		
410738.80	3722475.26	160.03729	(13120917)	410758.80
3722475.26	167.70564	(13120917)		
410778.80	3722475.26	174.03238	(13120917)	410798.80
3722475.26	182.19353	(13120917)		
410818.80	3722475.26	190.84749	(13120917)	410838.80
3722475.26	199.13031	(13120917)		
410498.80	3722495.26	109.00391	(13121917)	410518.80
3722495.26	111.21847	(13121917)		
410538.80	3722495.26	114.23360	(13121917)	410558.80
3722495.26	117.11429	(13121917)		
410578.80	3722495.26	119.68645	(13121917)	410598.80
3722495.26	122.29787	(13121917)		
410618.80	3722495.26	125.28762	(13121917)	410638.80
3722495.26	128.22745	(13121917)		
410658.80	3722495.26	131.43060	(13121917)	410678.80
3722495.26	135.45349	(13120917)		

410698.80 3722495.26 141.63729 (13120917) 410718.80
 3722495.26 148.09603 (13120917)
 ^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
410738.80	3722495.26	155.22353 (13120917)	410758.80
3722495.26	162.73356 (13120917)		
410778.80	3722495.26	169.30615 (13120917)	410798.80
3722495.26	177.92319 (13120917)		
410818.80	3722495.26	186.66012 (13120917)	410838.80
3722495.26	195.31376 (13120917)		
410858.80	3722495.26	204.53546 (13120917)	410498.80
3722515.26	111.84497 (13121917)		
410518.80	3722515.26	114.73785 (13121917)	410538.80
3722515.26	117.92910 (13121917)		
410558.80	3722515.26	120.63657 (13121917)	410578.80
3722515.26	123.30109 (13121917)		
410598.80	3722515.26	126.45851 (13121917)	410618.80
3722515.26	129.69594 (13121917)		
410638.80	3722515.26	132.87936 (13121917)	410658.80
3722515.26	136.33433 (13121917)		
410678.80	3722515.26	139.96492 (13121917)	410698.80
3722515.26	143.35381 (13121917)		
410718.80	3722515.26	146.93281 (13121917)	410738.80

3722515.26	151.17735	(13121917)		
410758.80	3722515.26	156.95079	(13120917)	410778.80
3722515.26	163.67273	(13120917)		
410798.80	3722515.26	172.41601	(13120917)	410818.80
3722515.26	181.42645	(13120917)		
410838.80	3722515.26	190.40376	(13120917)	410858.80
3722515.26	199.38321	(13120917)		
410878.80	3722515.26	209.33616	(13120917)	410498.80
3722535.26	114.26844	(13121917)		
410518.80	3722535.26	117.65628	(13121917)	410538.80
3722535.26	120.51905	(13121917)		
410558.80	3722535.26	123.30689	(13121917)	410578.80
3722535.26	126.32170	(13121917)		
410598.80	3722535.26	129.68244	(13121917)	410618.80
3722535.26	133.08402	(13121917)		
410638.80	3722535.26	136.53345	(13121917)	410658.80
3722535.26	140.16626	(13121917)		
410678.80	3722535.26	143.89384	(13121917)	410698.80
3722535.26	147.56553	(13121917)		
410718.80	3722535.26	151.37563	(13121917)	410738.80
3722535.26	155.91012	(13121917)		
410758.80	3722535.26	160.42656	(13121917)	410778.80
3722535.26	164.11282	(13121917)		
410798.80	3722535.26	169.87734	(13121917)	410818.80
3722535.26	175.62234	(13121917)		
410838.80	3722535.26	183.81935	(13120917)	410858.80
3722535.26	193.19129	(13120917)		
410878.80	3722535.26	202.81789	(13120917)	410898.80
3722535.26	213.50444	(13120917)		
410498.80	3722555.26	116.35717	(13121917)	410518.80
3722555.26	119.33425	(13121917)		
410538.80	3722555.26	122.29288	(13121917)	410558.80
3722555.26	125.17608	(13121917)		
410578.80	3722555.26	128.44424	(13121917)	410598.80
3722555.26	131.78481	(13121917)		
410618.80	3722555.26	135.27954	(13121917)	410638.80
3722555.26	138.85735	(13121917)		
410658.80	3722555.26	142.61084	(13121917)	410678.80
3722555.26	146.49326	(13121917)		
410698.80	3722555.26	150.55921	(13121917)	410718.80
3722555.26	154.52849	(13121917)		
410738.80	3722555.26	159.25700	(13121917)	410758.80
3722555.26	163.90800	(13121917)		
410778.80	3722555.26	167.83034	(13121917)	410798.80
3722555.26	173.89777	(13121917)		
410818.80	3722555.26	179.42198	(13121917)	410838.80
3722555.26	185.04358	(13121917)		
410858.80	3722555.26	191.03916	(13121917)	410878.80
3722555.26	197.99868	(13121917)		
410898.80	3722555.26	205.93903	(13120917)	410918.80

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3722555.26      217.21229 (13120917)
      410498.80  3722575.26      117.42849 (13121917)      410518.80
3722575.26      120.17587 (13121917)
      410538.80  3722575.26      123.17098 (13121917)      410558.80
3722575.26      126.24264 (13121917)
      410578.80  3722575.26      129.54230 (13121917)      410598.80
3722575.26      132.92960 (13121917)
      410618.80  3722575.26      136.46968 (13121917)      410638.80
3722575.26      140.13838 (13121917)
      410658.80  3722575.26      143.95579 (13121917)      410678.80
3722575.26      147.93830 (13121917)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
      INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
410698.80	3722575.26	152.11434 (13121917)	410718.80
3722575.26	156.40402 (13121917)		
410738.80	3722575.26	161.01971 (13121917)	410758.80
3722575.26	165.35375 (13121917)		
410778.80	3722575.26	170.19251 (13121917)	410798.80
3722575.26	176.11950 (13121917)		
410818.80	3722575.26	181.54814 (13121917)	410838.80
3722575.26	186.92582 (13121917)		
410858.80	3722575.26	192.94878 (13121917)	410878.80
3722575.26	200.11247 (13121917)		

410898.80	3722575.26	207.23649	(13121917)	410918.80
3722575.26	214.20503	(13121917)		
410938.80	3722575.26	221.96498	(13121917)	410498.80
3722595.26	117.61683	(13121917)		
410518.80	3722595.26	120.52584	(13121917)	410538.80
3722595.26	123.63473	(13121917)		
410558.80	3722595.26	126.83479	(13121917)	410578.80
3722595.26	130.08339	(13121917)		
410598.80	3722595.26	133.54831	(13121917)	410618.80
3722595.26	137.14825	(13121917)		
410638.80	3722595.26	140.87612	(13121917)	410658.80
3722595.26	144.79344	(13121917)		
410678.80	3722595.26	148.85491	(13121917)	410698.80
3722595.26	153.10674	(13121917)		
410718.80	3722595.26	157.52694	(13121917)	410738.80
3722595.26	162.25621	(13121917)		
410758.80	3722595.26	166.83498	(13121917)	410778.80
3722595.26	171.26023	(13121917)		
410798.80	3722595.26	176.74331	(13121917)	410818.80
3722595.26	182.09535	(13121917)		
410838.80	3722595.26	187.95248	(13121917)	410858.80
3722595.26	193.54115	(13121917)		
410878.80	3722595.26	200.60519	(13121917)	410898.80
3722595.26	207.46209	(13121917)		
410918.80	3722595.26	214.10711	(13121917)	410938.80
3722595.26	221.67364	(13121917)		
410498.80	3722615.26	117.02023	(13121917)	410518.80
3722615.26	119.97524	(13121917)		
410538.80	3722615.26	123.12753	(13121917)	410558.80
3722615.26	126.35737	(13121917)		
410578.80	3722615.26	129.71901	(13121917)	410598.80
3722615.26	133.17541	(13121917)		
410618.80	3722615.26	136.81428	(13121917)	410638.80
3722615.26	140.58811	(13121917)		
410658.80	3722615.26	144.54308	(13121917)	410678.80
3722615.26	148.67024	(13121917)		
410698.80	3722615.26	152.99440	(13121917)	410718.80
3722615.26	157.39110	(13121917)		
410738.80	3722615.26	162.12624	(13121917)	410758.80
3722615.26	166.81540	(13121917)		
410778.80	3722615.26	171.15703	(13121917)	410798.80
3722615.26	176.21016	(13121917)		
410818.80	3722615.26	181.19827	(13121917)	410838.80
3722615.26	186.90829	(13121917)		
410858.80	3722615.26	192.63791	(13121917)	410878.80
3722615.26	199.10075	(13121917)		
410898.80	3722615.26	205.62978	(13121917)	410918.80
3722615.26	212.34692	(13121917)		
410938.80	3722615.26	219.60134	(13121917)	410958.80
3722615.26	227.58604	(13121917)		

410498.80	3722635.26	115.49695	(13121917)	410518.80
3722635.26	118.52094	(13121917)		
410538.80	3722635.26	121.66874	(13121917)	410558.80
3722635.26	124.92438	(13121917)		
410578.80	3722635.26	128.27974	(13121917)	410598.80
3722635.26	131.81120	(13121917)		
410618.80	3722635.26	135.42692	(13121917)	410638.80
3722635.26	139.23512	(13121917)		
410658.80	3722635.26	143.16248	(13121917)	410678.80
3722635.26	147.24887	(13121917)		
410698.80	3722635.26	151.52660	(13121917)	410718.80
3722635.26	155.96361	(13121917)		
410738.80	3722635.26	160.61177	(13121917)	410758.80
3722635.26	165.29205	(13121917)		
410778.80	3722635.26	169.83139	(13121917)	410798.80
3722635.26	174.81177	(13121917)		
410818.80	3722635.26	179.60855	(13121917)	410838.80
3722635.26	185.34523	(13121917)		
410858.80	3722635.26	191.31570	(13121917)	410878.80
3722635.26	197.49490	(13121917)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410898.80	3722635.26	203.75176	(13121917)	410918.80

3722635.26	210.16464	(13121917)		
410938.80	3722635.26	217.10222	(13121917)	410958.80
3722635.26	224.60360	(13121917)		
410978.80	3722635.26	232.58389	(14120317)	410498.80
3722655.26	113.49011	(13121917)		
410518.80	3722655.26	116.45883	(13121917)	410538.80
3722655.26	119.55427	(13121917)		
410558.80	3722655.26	122.75272	(13121917)	410578.80
3722655.26	126.07639	(13121917)		
410598.80	3722655.26	129.54469	(13121917)	410618.80
3722655.26	133.12242	(13121917)		
410638.80	3722655.26	136.84915	(13121917)	410658.80
3722655.26	140.77297	(13121917)		
410678.80	3722655.26	144.80597	(13121917)	410698.80
3722655.26	149.02794	(13121917)		
410718.80	3722655.26	153.41224	(13121917)	410738.80
3722655.26	157.97480	(13121917)		
410758.80	3722655.26	162.69065	(13121917)	410778.80
3722655.26	167.54902	(13121917)		
410798.80	3722655.26	172.32385	(13121917)	410818.80
3722655.26	176.98063	(13121917)		
410838.80	3722655.26	182.91174	(13121917)	410858.80
3722655.26	189.09195	(13121917)		
410878.80	3722655.26	195.25480	(13121917)	410898.80
3722655.26	201.38911	(13121917)		
410918.80	3722655.26	207.88180	(13121917)	410938.80
3722655.26	214.69719	(13121917)		
410958.80	3722655.26	222.39066	(14120317)	410978.80
3722655.26	235.77543	(14120317)		
410998.80	3722655.26	250.51733	(14120317)	410498.80
3722675.26	111.08011	(13121917)		
410518.80	3722675.26	114.22347	(13121917)	410538.80
3722675.26	117.30091	(13121917)		
410558.80	3722675.26	120.43480	(13121917)	410578.80
3722675.26	123.76622	(13121917)		
410598.80	3722675.26	127.21424	(13121917)	410618.80
3722675.26	130.75745	(13121917)		
410638.80	3722675.26	134.12019	(13121917)	410658.80
3722675.26	138.22296	(13121917)		
410678.80	3722675.26	142.26760	(13121917)	410698.80
3722675.26	146.44738	(13121917)		
410718.80	3722675.26	150.76456	(13121917)	410738.80
3722675.26	155.26623	(13121917)		
410758.80	3722675.26	159.86250	(13121917)	410778.80
3722675.26	164.43518	(13121917)		
410798.80	3722675.26	169.06969	(13121917)	410818.80
3722675.26	173.65892	(13121917)		
410838.80	3722675.26	179.33375	(13121917)	410858.80
3722675.26	185.57413	(13121917)		
410878.80	3722675.26	191.74680	(13121917)	410898.80

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
3722695.26	410938.80	3722695.26	214.37796	(14120317)	410958.80
3722695.26	410978.80	3722695.26	236.60706	(14120317)	410998.80
3722695.26	411018.80	3722695.26	263.35804	(14120317)	411038.80
3722715.26	410498.80	3722715.26	104.94868	(13121917)	410518.80
3722715.26	410538.80	3722715.26	110.61018	(13121917)	410558.80
3722715.26	410578.80	3722715.26	116.84090	(13121917)	410598.80
3722715.26	410618.80	3722715.26	123.49139	(13121917)	410638.80
3722715.26	410658.80	3722715.26	130.70958	(13121917)	410678.80
3722715.26	410698.80	3722715.26	138.57872	(13121917)	410718.80
3722715.26	410738.80	3722715.26	147.09187	(13121917)	410758.80
3722715.26	410778.80	3722715.26	156.01591	(13121917)	410798.80
3722715.26	410818.80	3722715.26	165.17082	(13121917)	410838.80
3722715.26	410858.80	3722715.26	178.28439	(14120317)	410878.80
3722715.26	410898.80	3722715.26	195.14428	(14120317)	410918.80
3722715.26	410938.80	3722715.26	214.58322	(14120317)	410958.80
3722715.26	410978.80	3722715.26	235.30618	(14120317)	410998.80
3722715.26	411018.80	3722715.26	260.52577	(14120317)	411038.80
3722735.26	410498.80	3722735.26	100.91053	(13121917)	410518.80
3722735.26	410538.80	3722735.26	106.35374	(13121917)	410558.80
3722735.26	410578.80	3722735.26	112.49128	(13121917)	410598.80
3722735.26	410618.80	3722735.26	119.04640	(13121917)	410638.80
3722735.26	410658.80	3722735.26	122.10459	(13121917)	410678.80

410658.80	3722735.26	125.71911	(13121917)	410678.80
3722735.26	129.45874	(13121917)		
410698.80	3722735.26	133.35130	(13121917)	410718.80
3722735.26	137.42122	(13121917)		
410738.80	3722735.26	141.64321	(13121917)	410758.80
3722735.26	146.17629	(13121917)		
410778.80	3722735.26	151.89621	(14120317)	410798.80
3722735.26	158.25370	(14120317)		
410818.80	3722735.26	164.85122	(14120317)	410838.80
3722735.26	172.13102	(14120317)		
410858.80	3722735.26	179.99132	(14120317)	410878.80
3722735.26	187.98849	(14120317)		
410898.80	3722735.26	196.12703	(14120317)	410918.80
3722735.26	204.58817	(14120317)		
410938.80	3722735.26	213.59760	(14120317)	410958.80
3722735.26	223.19354	(14120317)		
410978.80	3722735.26	233.58174	(14120317)	410998.80
3722735.26	245.41137	(14120317)		
411018.80	3722735.26	257.56606	(14120317)	411038.80
3722735.26	270.62771	(14120317)		
411058.80	3722735.26	285.40565	(14120317)	410498.80
3722755.26	96.93693	(13121917)		
410518.80	3722755.26	99.50806	(13121917)	410538.80
3722755.26	102.17710	(13121917)		
410558.80	3722755.26	104.87930	(13121917)	410578.80
3722755.26	107.90900	(13121917)		
410598.80	3722755.26	111.01512	(13121917)	410618.80
3722755.26	114.10467	(13121917)		
410638.80	3722755.26	117.09046	(13121917)	410658.80
3722755.26	121.83646	(14120317)		
410678.80	3722755.26	126.66193	(14120317)	410698.80
3722755.26	131.74260	(14120317)		
410718.80	3722755.26	137.01557	(14120317)	410738.80
3722755.26	142.49816	(14120317)		
410758.80	3722755.26	148.28210	(14120317)	410778.80
3722755.26	154.16739	(14120317)		
410798.80	3722755.26	160.17931	(14120317)	410818.80
3722755.26	166.45585	(14120317)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,


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, L0000155      , L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000156      , L0000155      , L0000156      ,
, L0000163      , L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000164      , L0000163      , L0000164      ,
, L0000165      , L0000165      , L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000166      , L0000167      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410838.80	372275.26	173.39310	(14120317)	410858.80
372275.26	180.79091	(14120317)		
410878.80	372275.26	188.39592	(14120317)	410898.80
372275.26	196.25207	(14120317)		
410918.80	372275.26	204.34857	(14120317)	410938.80
372275.26	212.50973	(14120317)		
410958.80	372275.26	221.38106	(14120317)	410978.80
372275.26	231.56912	(14120317)		
410998.80	372275.26	241.99492	(14120317)	411018.80
372275.26	253.86196	(14120317)		
411038.80	372275.26	266.83314	(14120317)	411058.80
372275.26	280.65479	(14120317)		
411078.80	372275.26	296.21147	(14120317)	410498.80
3722775.26	94.67941	(15012617)		
410518.80	3722775.26	96.89003	(15012617)	410538.80
3722775.26	100.17232	(14120317)		
410558.80	3722775.26	103.80858	(14120317)	410578.80
3722775.26	107.62261	(14120317)		
410598.80	3722775.26	111.62398	(14120317)	410618.80
3722775.26	115.69453	(14120317)		
410638.80	3722775.26	119.83506	(14120317)	410658.80
3722775.26	124.55639	(14120317)		
410678.80	3722775.26	129.25929	(14120317)	410698.80
3722775.26	134.16688	(14120317)		
410718.80	3722775.26	139.26994	(14120317)	410738.80
3722775.26	144.59729	(14120317)		
410758.80	3722775.26	150.07708	(14120317)	410778.80
3722775.26	155.65777	(14120317)		
410798.80	3722775.26	161.37012	(14120317)	410818.80
3722775.26	167.25360	(14120317)		
410838.80	3722775.26	173.82390	(14120317)	410858.80
3722775.26	180.83855	(14120317)		
410878.80	3722775.26	187.77119	(14120317)	410898.80

3722775.26	195.31901	(14120317)		
410918.80	3722775.26	203.21769	(14120317)	410938.80
3722775.26	210.62832	(14120317)		
410958.80	3722775.26	219.95503	(14120317)	410978.80
3722775.26	229.69144	(14120317)		
410998.80	3722775.26	239.21076	(14120317)	411018.80
3722775.26	249.85622	(14120317)		
411038.80	3722775.26	262.46056	(14120317)	411058.80
3722775.26	275.91805	(14120317)		
411078.80	3722775.26	290.93625	(14120317)	411098.80
3722775.26	307.39800	(14120317)		
410498.80	3722795.26	96.08237	(14120317)	410518.80
3722795.26	99.37940	(14120317)		
410538.80	3722795.26	102.81770	(14120317)	410558.80
3722795.26	106.36037	(14120317)		
410578.80	3722795.26	110.14394	(14120317)	410598.80
3722795.26	114.06957	(14120317)		
410618.80	3722795.26	118.06105	(14120317)	410638.80
3722795.26	122.07617	(14120317)		
410658.80	3722795.26	126.60383	(14120317)	410678.80
3722795.26	131.08785	(14120317)		
410698.80	3722795.26	135.83170	(14120317)	410718.80
3722795.26	140.72719	(14120317)		
410738.80	3722795.26	145.73859	(14120317)	410758.80
3722795.26	151.03247	(14120317)		
410778.80	3722795.26	156.42971	(14120317)	410798.80
3722795.26	161.79677	(14120317)		
410818.80	3722795.26	167.37826	(14120317)	410838.80
3722795.26	173.64265	(14120317)		
410858.80	3722795.26	180.32745	(14120317)	410878.80
3722795.26	186.76287	(14120317)		
410898.80	3722795.26	193.69625	(14120317)	410918.80
3722795.26	200.96682	(14120317)		
410938.80	3722795.26	208.95249	(14120317)	410958.80
3722795.26	217.89435	(14120317)		
410978.80	3722795.26	227.00785	(14120317)	410998.80
3722795.26	236.51753	(14120317)		
411018.80	3722795.26	246.49098	(14120317)	411038.80
3722795.26	257.87641	(14120317)		
411058.80	3722795.26	271.18288	(14120317)	411078.80
3722795.26	285.48433	(14120317)		
411098.80	3722795.26	301.58775	(14120317)	411118.80
3722795.26	319.47586	(14120317)		
410498.80	3722815.26	98.33507	(14120317)	410518.80
3722815.26	101.57021	(14120317)		
410538.80	3722815.26	104.93272	(14120317)	410558.80
3722815.26	108.42442	(14120317)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20

*** AERMET - VERSION 16216 *** ***

*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410578.80	3722815.26	112.17846	(14120317)	410598.80
3722815.26	116.00638	(14120317)		
410618.80	3722815.26	119.88757	(14120317)	410638.80
3722815.26	123.69695	(14120317)		
410658.80	3722815.26	127.91572	(14120317)	410678.80
3722815.26	132.24582	(14120317)		
410698.80	3722815.26	136.72836	(14120317)	410718.80
3722815.26	141.38421	(14120317)		
410738.80	3722815.26	146.23383	(14120317)	410758.80
3722815.26	151.31333	(14120317)		
410778.80	3722815.26	156.56172	(14120317)	410798.80
3722815.26	161.61363	(14120317)		
410818.80	3722815.26	166.91838	(14120317)	410838.80
3722815.26	172.83392	(14120317)		
410858.80	3722815.26	179.19448	(14120317)	410878.80
3722815.26	185.62977	(14120317)		
410898.80	3722815.26	191.90605	(14120317)	410918.80
3722815.26	198.87175	(14120317)		
410938.80	3722815.26	206.87659	(14120317)	410958.80
3722815.26	215.24676	(14120317)		
410978.80	3722815.26	223.87156	(14120317)	410998.80
3722815.26	233.33611	(14120317)		
411018.80	3722815.26	243.36259	(14120317)	411038.80
3722815.26	253.61101	(14120317)		

411058.80	3722815.26	266.07090	(14120317)	411078.80
3722815.26	280.38043	(14120317)		
411098.80	3722815.26	295.33523	(14120317)	411118.80
3722815.26	312.51973	(14120317)		
411138.80	3722815.26	340.00907	(13012117)	410498.80
3722835.26	100.38403	(14120317)		
410518.80	3722835.26	103.54804	(14120317)	410538.80
3722835.26	106.81972	(14120317)		
410558.80	3722835.26	110.18402	(14120317)	410578.80
3722835.26	113.72793	(14120317)		
410598.80	3722835.26	117.40213	(14120317)	410618.80
3722835.26	121.13873	(14120317)		
410638.80	3722835.26	124.81657	(14120317)	410658.80
3722835.26	129.05908	(14120317)		
410678.80	3722835.26	133.19133	(14120317)	410698.80
3722835.26	137.47266	(14120317)		
410718.80	3722835.26	141.92534	(14120317)	410738.80
3722835.26	146.46178	(14120317)		
410758.80	3722835.26	151.23793	(14120317)	410778.80
3722835.26	156.10629	(14120317)		
410798.80	3722835.26	160.91244	(14120317)	410818.80
3722835.26	165.95452	(14120317)		
410838.80	3722835.26	171.60427	(14120317)	410858.80
3722835.26	177.61092	(14120317)		
410878.80	3722835.26	183.61767	(14120317)	410898.80
3722835.26	189.58913	(14120317)		
410918.80	3722835.26	196.89379	(14120317)	410938.80
3722835.26	204.32351	(14120317)		
410958.80	3722835.26	212.15696	(14120317)	410978.80
3722835.26	220.30176	(14120317)		
410998.80	3722835.26	229.55117	(14120317)	411018.80
3722835.26	239.58530	(14120317)		
411038.80	3722835.26	250.05336	(14120317)	411058.80
3722835.26	260.92692	(14120317)		
411078.80	3722835.26	274.80039	(14120317)	411098.80
3722835.26	289.67961	(14120317)		
411118.80	3722835.26	308.57129	(13012117)	411138.80
3722835.26	334.86305	(13012117)		
410498.80	3722855.26	101.88839	(14120317)	410518.80
3722855.26	104.96158	(14120317)		
410538.80	3722855.26	108.11574	(14120317)	410558.80
3722855.26	111.38207	(14120317)		
410578.80	3722855.26	114.75004	(14120317)	410598.80
3722855.26	118.25774	(14120317)		
410618.80	3722855.26	121.82203	(14120317)	410638.80
3722855.26	125.33706	(14120317)		
410658.80	3722855.26	129.38244	(14120317)	410678.80
3722855.26	133.35364	(14120317)		
410698.80	3722855.26	137.45805	(14120317)	410718.80
3722855.26	141.67199	(14120317)		

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410738.80 3722855.26 146.02741 (14120317) 410758.80
3722855.26 150.50241 (14120317)
410778.80 3722855.26 155.06975 (14120317) 410798.80
3722855.26 159.66179 (14120317)
410818.80 3722855.26 164.46650 (14120317) 410838.80
3722855.26 169.81912 (14120317)
^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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PAGE 521

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
, L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
, L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
, L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410858.80	3722855.26	175.61882	(14120317)	410878.80
3722855.26	180.99032	(14120317)		
410898.80	3722855.26	187.26580	(14120317)	410918.80
3722855.26	194.10294	(14120317)		
410938.80	3722855.26	201.45097	(14120317)	410958.80
3722855.26	208.58013	(14120317)		
410978.80	3722855.26	216.35653	(14120317)	410998.80
3722855.26	225.30080	(14120317)		
411018.80	3722855.26	235.31790	(14120317)	411038.80
3722855.26	245.75865	(14120317)		
411058.80	3722855.26	256.16396	(14120317)	411078.80
3722855.26	269.00240	(14120317)		
411098.80	3722855.26	283.58736	(14120317)	411118.80
3722855.26	305.88607	(13012117)		
411138.80	3722855.26	329.59365	(13012117)	411158.80

3722855.26	355.61821	(13012117)		
410498.80	3722875.26	102.86288	(14120317)	410518.80
3722875.26	105.82031	(14120317)		
410538.80	3722875.26	108.84119	(14120317)	410558.80
3722875.26	111.98772	(14120317)		
410578.80	3722875.26	115.19448	(14120317)	410598.80
3722875.26	118.52658	(14120317)		
410618.80	3722875.26	121.93867	(14120317)	410638.80
3722875.26	125.30693	(14120317)		
410658.80	3722875.26	129.07674	(14120317)	410678.80
3722875.26	132.85553	(14120317)		
410698.80	3722875.26	136.75002	(14120317)	410718.80
3722875.26	140.73014	(14120317)		
410738.80	3722875.26	144.83726	(14120317)	410758.80
3722875.26	149.10845	(14120317)		
410778.80	3722875.26	153.51467	(14120317)	410798.80
3722875.26	157.87079	(14120317)		
410818.80	3722875.26	162.46329	(14120317)	410838.80
3722875.26	167.55758	(14120317)		
410858.80	3722875.26	172.80260	(14120317)	410878.80
3722875.26	178.07180	(14120317)		
410898.80	3722875.26	184.34800	(14120317)	410918.80
3722875.26	190.84552	(14120317)		
410938.80	3722875.26	197.78073	(14120317)	410958.80
3722875.26	205.00492	(14120317)		
410978.80	3722875.26	212.20007	(14120317)	410998.80
3722875.26	220.55940	(14120317)		
411018.80	3722875.26	230.26431	(14120317)	411038.80
3722875.26	240.58660	(14120317)		
411058.80	3722875.26	250.89351	(14120317)	411078.80
3722875.26	262.80314	(14120317)		
411098.80	3722875.26	280.01700	(13012117)	411118.80
3722875.26	301.97086	(13012117)		
411138.80	3722875.26	324.15248	(13012117)	411158.80
3722875.26	348.61885	(13012117)		
411178.80	3722875.26	374.82566	(13012117)	410498.80
3722895.26	103.35595	(14120317)		
410518.80	3722895.26	106.13841	(14120317)	410538.80
3722895.26	109.05550	(14120317)		
410558.80	3722895.26	112.02915	(14120317)	410578.80
3722895.26	115.07889	(14120317)		
410598.80	3722895.26	118.19907	(14120317)	410618.80
3722895.26	121.47241	(14120317)		
410638.80	3722895.26	124.79095	(14120317)	410658.80
3722895.26	128.22028	(14120317)		
410678.80	3722895.26	131.71384	(14120317)	410698.80
3722895.26	135.41223	(14120317)		
410718.80	3722895.26	139.17226	(14120317)	410738.80
3722895.26	143.03143	(14120317)		
410758.80	3722895.26	147.11769	(14120317)	410778.80

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3722895.26      151.42909 (14120317)
      410798.80  3722895.26      155.73169 (14120317)      410818.80
3722895.26      160.10728 (14120317)
      410838.80  3722895.26      164.65091 (14120317)      410858.80
3722895.26      169.53704 (14120317)
      410878.80  3722895.26      175.12349 (14120317)      410898.80
3722895.26      180.58379 (14120317)
      410918.80  3722895.26      186.75137 (14120317)      410938.80
3722895.26      193.55451 (14120317)
      410958.80  3722895.26      200.61603 (14120317)      410978.80
3722895.26      207.63640 (14120317)
      410998.80  3722895.26      215.35638 (14120317)      411018.80
3722895.26      224.79979 (14120317)
      411038.80  3722895.26      234.68644 (14120317)      411058.80
3722895.26      244.64080 (14120317)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2      ***
      INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
411078.80	3722895.26	256.76105 (13012117)	411098.80
3722895.26	276.52534 (13012117)		
411118.80	3722895.26	297.02508 (13012117)	411138.80
3722895.26	318.39138 (13012117)		
411158.80	3722895.26	341.26598 (13012117)	411178.80
3722895.26	366.11746 (13012117)		

411198.80	3722895.26	392.83127	(13012117)	410498.80
3722915.26	103.64582	(14120317)		
410518.80	3722915.26	106.17852	(14120317)	410538.80
3722915.26	109.04345	(14120317)		
410558.80	3722915.26	111.86511	(14120317)	410578.80
3722915.26	114.74862	(14120317)		
410598.80	3722915.26	117.59764	(14120317)	410618.80
3722915.26	120.81677	(14120317)		
410638.80	3722915.26	123.97307	(14120317)	410658.80
3722915.26	127.16961	(14120317)		
410678.80	3722915.26	130.30904	(14120317)	410698.80
3722915.26	133.92776	(14120317)		
410718.80	3722915.26	137.51517	(14120317)	410738.80
3722915.26	141.17703	(14120317)		
410758.80	3722915.26	144.94151	(14120317)	410778.80
3722915.26	148.84326	(14120317)		
410798.80	3722915.26	152.89680	(14120317)	410818.80
3722915.26	157.10490	(14120317)		
410838.80	3722915.26	161.32432	(14120317)	410858.80
3722915.26	166.24466	(14120317)		
410878.80	3722915.26	171.44369	(14120317)	410898.80
3722915.26	176.73613	(14120317)		
410918.80	3722915.26	182.49429	(14120317)	410938.80
3722915.26	188.75754	(14120317)		
410958.80	3722915.26	195.44831	(14120317)	410978.80
3722915.26	202.28711	(14120317)		
410998.80	3722915.26	209.43067	(14120317)	411018.80
3722915.26	218.17824	(14120317)		
411038.80	3722915.26	227.30221	(14120317)	411058.80
3722915.26	237.21047	(13012117)		
411078.80	3722915.26	255.50766	(13012117)	411098.80
3722915.26	274.65840	(13012117)		
411118.80	3722915.26	293.87487	(13012117)	411138.80
3722915.26	313.85924	(13012117)		
411158.80	3722915.26	335.23068	(13012117)	411178.80
3722915.26	357.27494	(13012117)		
411198.80	3722915.26	382.37417	(13012117)	411218.80
3722915.26	410.83606	(13012117)		
410498.80	3722935.26	103.34759	(14120317)	410518.80
3722935.26	105.73646	(14120317)		
410538.80	3722935.26	108.48688	(14120317)	410558.80
3722935.26	111.15419	(14120317)		
410578.80	3722935.26	113.84752	(14120317)	410598.80
3722935.26	116.47605	(14120317)		
410618.80	3722935.26	119.51519	(14120317)	410638.80
3722935.26	122.48836	(14120317)		
410658.80	3722935.26	125.46623	(14120317)	410678.80
3722935.26	128.37015	(14120317)		
410698.80	3722935.26	131.81425	(14120317)	410718.80
3722935.26	135.19793	(14120317)		

Y-COORD (M)	CONC	(YYMMDDHH)	
411218.80	3722935.26	397.55437	(13012117) 410498.80
3722955.26	102.63373	(14120317)	
410518.80	3722955.26	104.85878	(14120317) 410538.80
3722955.26	107.39863	(14120317)	
410558.80	3722955.26	109.94603	(14120317) 410578.80
3722955.26	112.43161	(14120317)	
410598.80	3722955.26	114.87500	(14120317) 410618.80
3722955.26	117.67840	(14120317)	
410638.80	3722955.26	120.47884	(14120317) 410658.80
3722955.26	123.23614	(14120317)	
410678.80	3722955.26	125.93565	(14120317) 410698.80
3722955.26	129.12632	(14120317)	
410718.80	3722955.26	132.29318	(14120317) 410738.80
3722955.26	135.49207	(14120317)	
410758.80	3722955.26	138.64113	(14120317) 410778.80
3722955.26	142.00066	(14120317)	
410798.80	3722955.26	145.39278	(14120317) 410818.80
3722955.26	148.92252	(14120317)	
410838.80	3722955.26	152.95369	(14120317) 410858.80
3722955.26	157.13489	(14120317)	
410878.80	3722955.26	161.56105	(14120317) 410898.80
3722955.26	166.20870	(14120317)	
410918.80	3722955.26	171.20211	(14120317) 410938.80
3722955.26	176.44394	(14120317)	
410958.80	3722955.26	182.15064	(14120317) 410978.80
3722955.26	188.18490	(14120317)	
410998.80	3722955.26	194.54205	(14120317) 411018.80
3722955.26	204.75866	(13012117)	
411038.80	3722955.26	220.17050	(13012117) 411058.80
3722955.26	235.28304	(13012117)	
411078.80	3722955.26	251.19062	(13012117) 411098.80
3722955.26	267.92005	(13012117)	
411118.80	3722955.26	284.87636	(13012117) 411138.80
3722955.26	302.49917	(13012117)	
411158.80	3722955.26	321.06255	(13012117) 411178.80
3722955.26	340.48662	(13012117)	
411198.80	3722955.26	361.31517	(13012117) 411218.80
3722955.26	385.17068	(13012117)	
410498.80	3722975.26	101.47817	(14120317) 410518.80
3722975.26	103.57267	(14120317)	
410538.80	3722975.26	105.91572	(14120317) 410558.80
3722975.26	108.28121	(14120317)	
410578.80	3722975.26	110.56931	(14120317) 410598.80
3722975.26	112.83778	(14120317)	
410618.80	3722975.26	115.42085	(14120317) 410638.80
3722975.26	118.01429	(14120317)	
410658.80	3722975.26	120.51770	(14120317) 410678.80

3722975.26	123.03029	(14120317)			
410698.80	3722975.26	125.92724	(14120317)		410718.80
3722975.26	128.82214	(14120317)			
410738.80	3722975.26	131.74185	(14120317)		410758.80
3722975.26	134.65421	(14120317)			
410778.80	3722975.26	137.76065	(14120317)		410798.80
3722975.26	140.76724	(14120317)			
410818.80	3722975.26	144.12536	(14120317)		410838.80
3722975.26	147.70737	(14120317)			
410858.80	3722975.26	151.46270	(14120317)		410878.80
3722975.26	155.47351	(14120317)			
410898.80	3722975.26	159.75515	(14120317)		410918.80
3722975.26	164.25809	(14120317)			
410938.80	3722975.26	168.98123	(14120317)		410958.80
3722975.26	174.08830	(14120317)			
410978.80	3722975.26	179.52613	(14120317)		410998.80
3722975.26	190.35996	(13012117)			
411018.80	3722975.26	204.94937	(13012117)		411038.80
3722975.26	219.54441	(13012117)			
411058.80	3722975.26	233.84364	(13012117)		411078.80
3722975.26	248.74375	(13012117)			
411098.80	3722975.26	264.20432	(13012117)		411118.80
3722975.26	280.11224	(13012117)			
411138.80	3722975.26	296.50855	(13012117)		411158.80
3722975.26	313.72403	(13012117)			
411178.80	3722975.26	332.02762	(13012117)		411198.80
3722975.26	351.61148	(13012117)			
411218.80	3722975.26	373.93306	(13012117)		413054.78
3727884.09	12.59957	(16110817)			
413074.78	3727884.09	12.55051	(16110817)		413094.78
3727884.09	12.49244	(16110817)			
413114.78	3727884.09	12.42672	(16110817)		413134.78
3727884.09	12.35342	(16110817)			

^ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170

, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413154.78	3727884.09	12.27335	(16110817)	413174.78
3727884.09	12.24629	(14111817)		
413194.78	3727884.09	12.26820	(14111817)	413214.78
3727884.09	12.28228	(14111817)		
413234.78	3727884.09	12.28854	(14111817)	413254.78
3727884.09	12.28746	(14111817)		
413274.78	3727884.09	12.27742	(14111817)	413294.78
3727884.09	12.25953	(14111817)		
413314.78	3727884.09	12.41372	(14111817)	413334.78
3727884.09	12.38060	(14111817)		
413354.78	3727884.09	12.27936	(14111817)	413374.78
3727884.09	15.77706	(14111817)		
413394.78	3727884.09	16.74265	(14111817)	413414.78
3727884.09	19.62064	(15010617)		
413434.78	3727884.09	19.54425	(15010617)	413454.78
3727884.09	19.85178	(15010617)		
413474.78	3727884.09	20.17911	(15010617)	413494.78
3727884.09	20.26593	(15010617)		
413514.78	3727884.09	19.99814	(15010617)	413534.78
3727884.09	20.22478	(15010617)		
413554.78	3727884.09	20.58928	(15010617)	413574.78
3727884.09	20.53623	(15010617)		
413594.78	3727884.09	20.10356	(15010617)	413614.78
3727884.09	20.26114	(15010617)		
413634.78	3727884.09	20.56431	(15120817)	413654.78
3727884.09	20.74216	(15120817)		
413674.78	3727884.09	20.64358	(15120817)	413694.78
3727884.09	20.89216	(15120817)		
413714.78	3727884.09	21.15815	(15120817)	413734.78
3727884.09	21.23072	(15120817)		
413054.78	3727904.09	12.54618	(16110817)	413074.78
3727904.09	12.50006	(16110817)		
413094.78	3727904.09	12.44572	(16110817)	413114.78
3727904.09	12.38288	(16110817)		
413134.78	3727904.09	12.31262	(16110817)	413154.78
3727904.09	12.23545	(16110817)		
413174.78	3727904.09	12.16987	(14111817)	413194.78
3727904.09	12.19460	(14111817)		

413214.78	3727904.09	12.21153	(14111817)	413234.78
3727904.09	12.22056	(14111817)		
413254.78	3727904.09	12.22230	(14111817)	413274.78
3727904.09	12.21585	(14111817)		
413294.78	3727904.09	12.20064	(14111817)	413314.78
3727904.09	12.35638	(14111817)		
413334.78	3727904.09	12.38950	(14111817)	413354.78
3727904.09	12.17008	(14111817)		
413374.78	3727904.09	15.46029	(14111817)	413394.78
3727904.09	16.57310	(14111817)		
413414.78	3727904.09	19.35820	(15010617)	413434.78
3727904.09	19.28508	(15010617)		
413454.78	3727904.09	19.63024	(15010617)	413474.78
3727904.09	19.95307	(15010617)		
413494.78	3727904.09	20.06506	(15010617)	413514.78
3727904.09	19.77133	(15010617)		
413534.78	3727904.09	20.06484	(15010617)	413554.78
3727904.09	20.39610	(15010617)		
413574.78	3727904.09	20.37589	(15010617)	413594.78
3727904.09	19.92371	(15010617)		
413614.78	3727904.09	20.11214	(15010617)	413634.78
3727904.09	20.31332	(15010617)		
413654.78	3727904.09	20.46632	(15120817)	413674.78
3727904.09	20.34324	(15120817)		
413694.78	3727904.09	20.59214	(15120817)	413714.78
3727904.09	20.90648	(15120817)		
413734.78	3727904.09	21.00388	(15120817)	413054.78
3727924.09	12.49266	(16110817)		
413074.78	3727924.09	12.44896	(16110817)	413094.78
3727924.09	12.39813	(16110817)		
413114.78	3727924.09	12.33849	(16110817)	413134.78
3727924.09	12.27136	(16110817)		
413154.78	3727924.09	12.19702	(16110817)	413174.78
3727924.09	12.11596	(16110817)		
413194.78	3727924.09	12.12084	(14111817)	413214.78
3727924.09	12.14011	(14111817)		
413234.78	3727924.09	12.15198	(14111817)	413254.78
3727924.09	12.15635	(14111817)		
413274.78	3727924.09	12.15352	(14111817)	413294.78
3727924.09	12.14130	(14111817)		
413314.78	3727924.09	12.12161	(14111817)	413334.78
3727924.09	12.27376	(14111817)		

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***                               *** 05/26/20
*** AERMET - VERSION 16216 *** ***
***                               *** 16:48:31

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413354.78	3727924.09	12.06156	(14111817)	413374.78
3727924.09	12.86367	(14111817)		
413394.78	3727924.09	16.51716	(14111817)	413414.78
3727924.09	19.28271	(16102717)		
413434.78	3727924.09	19.08137	(15010617)	413454.78
3727924.09	19.41977	(15010617)		
413474.78	3727924.09	19.74915	(15010617)	413494.78
3727924.09	19.78384	(15010617)		
413514.78	3727924.09	19.54222	(15010617)	413534.78
3727924.09	19.82628	(15010617)		
413554.78	3727924.09	20.20000	(15010617)	413574.78
3727924.09	20.17597	(15010617)		
413594.78	3727924.09	19.74708	(15010617)	413614.78
3727924.09	19.92725	(15010617)		
413634.78	3727924.09	20.13546	(15010617)	413654.78
3727924.09	20.15202	(15120817)		
413674.78	3727924.09	20.04896	(15120817)	413694.78
3727924.09	20.32145	(15120817)		
413714.78	3727924.09	20.61324	(15120817)	413734.78
3727924.09	20.74268	(15120817)		
413054.78	3727944.09	12.44044	(16110817)	413074.78
3727944.09	12.39754	(16110817)		
413094.78	3727944.09	12.34958	(16110817)	413114.78
3727944.09	12.29367	(16110817)		
413134.78	3727944.09	12.22934	(16110817)	413154.78
3727944.09	12.15807	(16110817)		
413174.78	3727944.09	12.07984	(16110817)	413194.78
3727944.09	12.04656	(14111817)		
413214.78	3727944.09	12.06856	(14111817)	413234.78

3727944.09	12.08316	(14111817)		
413254.78	3727944.09	12.09048	(14111817)	413274.78
3727944.09	12.09045	(14111817)		
413294.78	3727944.09	12.08193	(14111817)	413314.78
3727944.09	12.06531	(14111817)		
413334.78	3727944.09	12.04165	(14111817)	413354.78
3727944.09	12.01100	(14111817)		
413374.78	3727944.09	13.06192	(14111817)	413394.78
3727944.09	16.47823	(14111817)		
413414.78	3727944.09	19.18034	(16102717)	413434.78
3727944.09	18.86473	(15010617)		
413454.78	3727944.09	19.19011	(15010617)	413474.78
3727944.09	19.50841	(15010617)		
413494.78	3727944.09	19.56722	(15010617)	413514.78
3727944.09	19.31805	(15010617)		
413534.78	3727944.09	19.60406	(15010617)	413554.78
3727944.09	19.95236	(15010617)		
413574.78	3727944.09	19.93535	(15010617)	413594.78
3727944.09	19.58097	(15010617)		
413614.78	3727944.09	19.78419	(15010617)	413634.78
3727944.09	20.01522	(15010617)		
413654.78	3727944.09	19.97198	(15010617)	413674.78
3727944.09	19.72903	(15120817)		
413694.78	3727944.09	20.04092	(15120817)	413714.78
3727944.09	20.34101	(15120817)		
413734.78	3727944.09	20.43885	(15120817)	413054.78
3727964.09	12.38401	(16110817)		
413074.78	3727964.09	12.34614	(16110817)	413094.78
3727964.09	12.30038	(16110817)		
413114.78	3727964.09	12.24796	(16110817)	413134.78
3727964.09	12.18678	(16110817)		
413154.78	3727964.09	12.11840	(16110817)	413174.78
3727964.09	12.04304	(16110817)		
413194.78	3727964.09	11.97153	(14111817)	413214.78
3727964.09	11.99709	(14111817)		
413234.78	3727964.09	12.01446	(14111817)	413254.78
3727964.09	12.02466	(14111817)		
413274.78	3727964.09	12.02664	(14111817)	413294.78
3727964.09	12.02061	(14111817)		
413314.78	3727964.09	12.18405	(14111817)	413334.78
3727964.09	12.22422	(14111817)		
413354.78	3727964.09	14.33050	(14111817)	413374.78
3727964.09	15.56349	(14111817)		
413394.78	3727964.09	16.42315	(14111817)	413414.78
3727964.09	19.09536	(16102717)		
413434.78	3727964.09	18.64175	(15010617)	413454.78
3727964.09	18.94742	(15010617)		
413474.78	3727964.09	19.24228	(15010617)	413494.78
3727964.09	19.33679	(15010617)		
413514.78	3727964.09	19.07953	(15010617)	413534.78

3727964.09 19.36634 (15010617)

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
3727964.09	413554.78	3727964.09	19.73195	(15010617)	413574.78
3727964.09	413594.78	3727964.09	19.43257	(15010617)	413614.78
3727964.09	413634.78	3727964.09	19.81053	(15010617)	413654.78
3727964.09	413674.78	3727964.09	19.47199	(15010617)	413694.78
3727964.09	413714.78	3727964.09	20.12962	(15120817)	413734.78
3727984.09	413054.78	3727984.09	12.33065	(16110817)	413074.78
3727984.09	413094.78	3727984.09	12.25092	(16110817)	413114.78
3727984.09	413134.78	3727984.09	12.14389	(16110817)	413154.78
3727984.09	413174.78	3727984.09	12.00590	(16110817)	413194.78
3727984.09	413214.78	3727984.09	11.92486	(14111817)	413234.78
3727984.09	413254.78	3727984.09	11.94502	(14111817)	413274.78

413254.78	3727984.09	11.95725	(14111817)	413274.78
3727984.09	11.96178	(14111817)		
413294.78	3727984.09	13.10754	(14111817)	413314.78
3727984.09	16.66100	(14111817)		
413334.78	3727984.09	17.29611	(14111817)	413354.78
3727984.09	17.71307	(14111817)		
413374.78	3727984.09	17.88129	(14111817)	413394.78
3727984.09	18.05718	(14111817)		
413414.78	3727984.09	18.97110	(16102717)	413434.78
3727984.09	18.41886	(15010617)		
413454.78	3727984.09	18.54983	(15010617)	413474.78
3727984.09	18.69974	(15010617)		
413494.78	3727984.09	18.78647	(15010617)	413514.78
3727984.09	18.76090	(15010617)		
413534.78	3727984.09	18.91426	(15010617)	413554.78
3727984.09	19.10404	(15010617)		
413574.78	3727984.09	19.18874	(15010617)	413594.78
3727984.09	19.16658	(15010617)		
413614.78	3727984.09	19.44948	(15010617)	413634.78
3727984.09	19.69003	(15010617)		
413654.78	3727984.09	19.57629	(15010617)	413674.78
3727984.09	19.30257	(15010617)		
413694.78	3727984.09	19.49103	(15120817)	413714.78
3727984.09	19.91632	(15120817)		
413734.78	3727984.09	19.98309	(15120817)	413114.78
3728004.09	12.15405	(16110817)		
413134.78	3728004.09	12.10002	(16110817)	413154.78
3728004.09	12.03754	(16110817)		
413174.78	3728004.09	11.96804	(16110817)	413194.78
3728004.09	11.89173	(16110817)		
413214.78	3728004.09	11.85188	(14111817)	413234.78
3728004.09	11.87489	(14111817)		
413254.78	3728004.09	11.88956	(14111817)	413274.78
3728004.09	11.89658	(14111817)		
413294.78	3728004.09	18.16268	(14010217)	413314.78
3728004.09	18.11820	(14010217)		
413334.78	3728004.09	17.97161	(14010217)	413354.78
3728004.09	18.02550	(14010217)		
413374.78	3728004.09	18.13091	(14010217)	413394.78
3728004.09	18.14299	(14111817)		
413414.78	3728004.09	18.61603	(16102717)	413434.78
3728004.09	18.21912	(14111817)		
413454.78	3728004.09	18.41825	(15010617)	413474.78
3728004.09	18.68062	(15010617)		
413494.78	3728004.09	18.77124	(15010617)	413514.78
3728004.09	18.60729	(15010617)		
413534.78	3728004.09	18.85947	(15010617)	413554.78
3728004.09	19.18657	(15010617)		
413574.78	3728004.09	19.37646	(15010617)	413594.78
3728004.09	19.06820	(15010617)		

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413614.78 3728004.09 19.29769 (15010617) 413634.78
3728004.09 19.52860 (15010617)
413654.78 3728004.09 19.40340 (15010617) 413674.78
3728004.09 19.13605 (15010617)
413694.78 3728004.09 19.14993 (15010617) 413714.78
3728004.09 19.43164 (15120817)
413734.78 3728004.09 19.67990 (15120817) 413114.78
3728024.09 12.10647 (16110817)
413134.78 3728024.09 12.05518 (16110817) 413154.78
3728024.09 11.99643 (16110817)

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
, L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
, L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
, L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
413174.78	3728024.09	11.92946 (16110817)	413194.78
3728024.09	11.85624 (16110817)		
413214.78	3728024.09	11.77856 (14111817)	413234.78
3728024.09	11.80456 (14111817)		
413254.78	3728024.09	11.82184 (14111817)	413274.78
3728024.09	11.83136 (14111817)		
413294.78	3728024.09	18.11011 (14010217)	413314.78
3728024.09	17.02678 (14010217)		
413334.78	3728024.09	16.93668 (14010217)	413354.78
3728024.09	17.52586 (14010217)		
413374.78	3728024.09	17.69752 (14010217)	413394.78

3728024.09	17.83606	(14111817)		
413414.78	3728024.09	17.97734	(14111817)	413434.78
3728024.09	18.04034	(14111817)		
413454.78	3728024.09	18.23630	(15010617)	413474.78
3728024.09	18.54578	(15010617)		
413494.78	3728024.09	18.59417	(15010617)	413514.78
3728024.09	18.40668	(15010617)		
413534.78	3728024.09	18.70963	(15010617)	413554.78
3728024.09	19.06750	(15010617)		
413574.78	3728024.09	19.28266	(15010617)	413594.78
3728024.09	18.89999	(15010617)		
413614.78	3728024.09	19.08352	(15010617)	413634.78
3728024.09	19.30603	(15010617)		
413654.78	3728024.09	19.22012	(15010617)	413674.78
3728024.09	18.94601	(15010617)		
413694.78	3728024.09	18.98937	(15010617)	413714.78
3728024.09	19.16794	(15120817)		
413734.78	3728024.09	19.44732	(15120817)	413114.78
3728044.09	12.05902	(16110817)		
413134.78	3728044.09	12.00972	(16110817)	413154.78
3728044.09	11.95427	(16110817)		
413174.78	3728044.09	11.89051	(16110817)	413194.78
3728044.09	11.82005	(16110817)		
413214.78	3728044.09	11.74292	(16110817)	413234.78
3728044.09	11.73366	(14111817)		
413254.78	3728044.09	11.75373	(14111817)	413274.78
3728044.09	11.76576	(14111817)		
413294.78	3728044.09	18.01258	(14010217)	413314.78
3728044.09	16.69719	(14010217)		
413334.78	3728044.09	17.70130	(14010217)	413354.78
3728044.09	18.01102	(14010217)		
413374.78	3728044.09	18.07143	(14010217)	413394.78
3728044.09	18.10885	(14010217)		
413414.78	3728044.09	18.37321	(16102717)	413434.78
3728044.09	18.01971	(14111817)		
413454.78	3728044.09	18.01790	(15010617)	413474.78
3728044.09	18.33692	(15010617)		
413494.78	3728044.09	18.39136	(15010617)	413514.78
3728044.09	18.19911	(15010617)		
413534.78	3728044.09	18.51291	(15010617)	413554.78
3728044.09	18.85036	(15010617)		
413574.78	3728044.09	19.05418	(15010617)	413594.78
3728044.09	18.66296	(15010617)		
413614.78	3728044.09	18.89383	(15010617)	413634.78
3728044.09	19.13155	(15010617)		
413654.78	3728044.09	19.02005	(15010617)	413674.78
3728044.09	18.73944	(15010617)		
413694.78	3728044.09	18.80531	(15010617)	413714.78
3728044.09	18.95165	(15010617)		
413734.78	3728044.09	19.14019	(15120817)	413134.78

3728064.09 11.96389 (16110817)
413154.78 3728064.09 11.91102 (16110817) 413174.78
3728064.09 11.85108 (16110817)
413194.78 3728064.09 11.78331 (16110817) 413214.78
3728064.09 11.70895 (16110817)
413234.78 3728064.09 11.66252 (14111817) 413254.78
3728064.09 11.68509 (14111817)
413274.78 3728064.09 11.69982 (14111817) 413294.78
3728064.09 17.89902 (14010217)
413314.78 3728064.09 16.47193 (14010217) 413334.78
3728064.09 17.64443 (14010217)
413354.78 3728064.09 17.86658 (14010217) 413374.78
3728064.09 17.96627 (14010217)
413394.78 3728064.09 17.94537 (14010217) 413414.78
3728064.09 18.38613 (16102717)
413434.78 3728064.09 17.91354 (14111817) 413454.78
3728064.09 17.89908 (14111817)
413474.78 3728064.09 18.12793 (15010617) 413494.78
3728064.09 18.17589 (15010617)

▲ *** AERMOD - VERSION 19191 *** ** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** **
*** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413514.78	3728064.09	18.00414	(15010617)	413534.78
3728064.09	18.29618	(15010617)		

413554.78	3728064.09	18.64486	(15010617)	413574.78
3728064.09	18.77824	(15010617)		
413594.78	3728064.09	18.45834	(15010617)	413614.78
3728064.09	18.70233	(15010617)		
413634.78	3728064.09	18.68815	(15010617)	413654.78
3728064.09	18.52667	(15010617)		
413674.78	3728064.09	18.45515	(15010617)	413694.78
3728064.09	18.48921	(15010617)		
413714.78	3728064.09	18.53272	(15010617)	413734.78
3728064.09	18.54459	(15010617)		
413134.78	3728084.09	11.91874	(16110817)	413154.78
3728084.09	11.86718	(16110817)		
413174.78	3728084.09	11.81064	(16110817)	413194.78
3728084.09	11.74603	(16110817)		
413214.78	3728084.09	11.67414	(16110817)	413234.78
3728084.09	11.59660	(16110817)		
413254.78	3728084.09	11.61611	(14111817)	413274.78
3728084.09	11.74481	(14111817)		
413294.78	3728084.09	17.70676	(14010217)	413314.78
3728084.09	16.30725	(14010217)		
413334.78	3728084.09	16.79130	(14010217)	413354.78
3728084.09	17.57751	(14010217)		
413374.78	3728084.09	17.71759	(14010217)	413394.78
3728084.09	17.81226	(14010217)		
413414.78	3728084.09	18.27432	(16102717)	413434.78
3728084.09	17.82172	(14111817)		
413454.78	3728084.09	17.79291	(14111817)	413474.78
3728084.09	17.90710	(15010617)		
413494.78	3728084.09	18.00318	(15010617)	413514.78
3728084.09	17.82154	(15010617)		
413534.78	3728084.09	18.09198	(15010617)	413554.78
3728084.09	18.44484	(15010617)		
413574.78	3728084.09	18.59714	(15010617)	413594.78
3728084.09	18.31262	(15010617)		
413614.78	3728084.09	18.12613	(15010617)	413634.78
3728084.09	18.16384	(15010617)		
413654.78	3728084.09	18.35529	(15010617)	413674.78
3728084.09	18.35282	(15010617)		
413694.78	3728084.09	18.45546	(15010617)	413714.78
3728084.09	18.60679	(15010617)		
413734.78	3728084.09	18.53903	(15010617)	413134.78
3728104.09	11.87393	(16110817)		
413154.78	3728104.09	11.82336	(16110817)	413174.78
3728104.09	11.76923	(16110817)		
413194.78	3728104.09	11.70815	(16110817)	413214.78
3728104.09	11.63923	(16110817)		
413234.78	3728104.09	11.56428	(16110817)	413254.78
3728104.09	11.54678	(14111817)		
413274.78	3728104.09	11.73541	(14111817)	413294.78
3728104.09	17.52070	(14010217)		

413314.78	3728104.09	16.12440	(14010217)	413334.78
3728104.09	16.03903	(14010217)		
413354.78	3728104.09	16.55917	(14010217)	413374.78
3728104.09	17.56010	(14010217)		
413394.78	3728104.09	17.77126	(14010217)	413414.78
3728104.09	18.13456	(16102717)		
413434.78	3728104.09	17.68318	(14111817)	413454.78
3728104.09	17.66226	(14111817)		
413474.78	3728104.09	17.69991	(14111817)	413494.78
3728104.09	17.78153	(15010617)		
413514.78	3728104.09	17.62592	(15010617)	413534.78
3728104.09	17.90016	(15010617)		
413554.78	3728104.09	18.21871	(15010617)	413574.78
3728104.09	18.31222	(15010617)		
413594.78	3728104.09	18.19170	(15010617)	413614.78
3728104.09	17.89264	(15010617)		
413634.78	3728104.09	18.20075	(15010617)	413654.78
3728104.09	18.51796	(15010617)		
413674.78	3728104.09	18.25480	(15010617)	413694.78
3728104.09	18.36457	(15010617)		
413714.78	3728104.09	18.53645	(15010617)	413734.78
3728104.09	18.26313	(15010617)		
413174.78	3728124.09	11.72736	(16110817)	413194.78
3728124.09	11.66921	(16110817)		
413214.78	3728124.09	11.60365	(16110817)	413234.78
3728124.09	11.53062	(16110817)		
413254.78	3728124.09	11.47710	(14111817)	413274.78
3728124.09	11.95089	(14111817)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413294.78	3728124.09	16.76533	(14010217)	413314.78
3728124.09	15.81949	(14010217)		
413334.78	3728124.09	16.67298	(14010217)	413354.78
3728124.09	17.50854	(14010217)		
413374.78	3728124.09	17.71245	(14010217)	413394.78
3728124.09	17.72127	(14010217)		
413414.78	3728124.09	17.92829	(14010217)	413434.78
3728124.09	17.55364	(14111817)		
413454.78	3728124.09	17.53469	(14111817)	413474.78
3728124.09	17.55341	(14111817)		
413494.78	3728124.09	17.60810	(15010617)	413514.78
3728124.09	17.43643	(15010617)		
413534.78	3728124.09	17.68281	(15010617)	413554.78
3728124.09	17.96071	(15010617)		
413574.78	3728124.09	17.91712	(15010617)	413594.78
3728124.09	17.61251	(15010617)		
413614.78	3728124.09	17.83335	(15010617)	413634.78
3728124.09	18.29189	(15010617)		
413654.78	3728124.09	18.21559	(15010617)	413674.78
3728124.09	17.93084	(15010617)		
413694.78	3728124.09	18.05525	(15010617)	413714.78
3728124.09	18.24323	(15010617)		
413734.78	3728124.09	18.03055	(15010617)	413174.78
3728144.09	11.68508	(16110817)		
413194.78	3728144.09	11.62934	(16110817)	413214.78
3728144.09	11.56694	(16110817)		
413234.78	3728144.09	11.49659	(16110817)	413254.78
3728144.09	11.41997	(16110817)		
413274.78	3728144.09	14.55465	(14010217)	413294.78
3728144.09	16.05672	(14010217)		
413314.78	3728144.09	15.24185	(14010217)	413334.78
3728144.09	16.06356	(14010217)		
413354.78	3728144.09	17.31214	(14010217)	413374.78
3728144.09	17.36891	(14010217)		
413394.78	3728144.09	17.36060	(14010217)	413414.78
3728144.09	17.81768	(14010217)		
413434.78	3728144.09	17.41652	(14111817)	413454.78
3728144.09	17.39379	(14111817)		
413474.78	3728144.09	17.42046	(14111817)	413494.78
3728144.09	17.36983	(14111817)		
413514.78	3728144.09	17.23451	(15010617)	413534.78
3728144.09	17.49684	(15010617)		
413554.78	3728144.09	17.78477	(15010617)	413574.78

3728144.09	17.39055	(15010617)		
413594.78	3728144.09	17.42005	(15010617)	413614.78
3728144.09	17.92935	(15010617)		
413634.78	3728144.09	18.12748	(15010617)	413654.78
3728144.09	17.90481	(15010617)		
413674.78	3728144.09	17.52623	(15010617)	413694.78
3728144.09	17.61626	(15010617)		
413714.78	3728144.09	17.93987	(15010617)	413734.78
3728144.09	17.80184	(15010617)		
413174.78	3728164.09	11.64389	(16110817)	413194.78
3728164.09	11.58925	(16110817)		
413214.78	3728164.09	11.52954	(16110817)	413234.78
3728164.09	11.46260	(16110817)		
413254.78	3728164.09	11.38825	(16110817)	413274.78
3728164.09	14.96635	(14010217)		
413294.78	3728164.09	15.89313	(14010217)	413314.78
3728164.09	14.54443	(14111817)		
413334.78	3728164.09	15.63916	(14010217)	413354.78
3728164.09	15.84098	(14010217)		
413374.78	3728164.09	16.71730	(14010217)	413394.78
3728164.09	17.08231	(14010217)		
413414.78	3728164.09	17.68450	(14010217)	413434.78
3728164.09	17.30029	(14010217)		
413454.78	3728164.09	17.25072	(14111817)	413474.78
3728164.09	17.28506	(14111817)		
413494.78	3728164.09	17.29083	(14111817)	413514.78
3728164.09	17.04503	(15010617)		
413534.78	3728164.09	17.18671	(15010617)	413554.78
3728164.09	17.33236	(15010617)		
413574.78	3728164.09	17.13444	(15010617)	413594.78
3728164.09	17.58563	(15010617)		
413614.78	3728164.09	17.79722	(15010617)	413634.78
3728164.09	17.85017	(15010617)		
413654.78	3728164.09	17.63980	(15010617)	413674.78
3728164.09	17.23030	(15010617)		
413694.78	3728164.09	17.37916	(15010617)	413714.78
3728164.09	17.56794	(15010617)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154

, L0000155 , L0000156 , L0000157 ,
 , L0000163 , L0000164 , L0000165 ,
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413734.78	3728164.09	17.67904	(15010617)	413174.78
3728184.09	11.60140	(16110817)		
413194.78	3728184.09	11.54884	(16110817)	413214.78
3728184.09	11.49118	(16110817)		
413234.78	3728184.09	11.42755	(16110817)	413254.78
3728184.09	11.35583	(16110817)		
413274.78	3728184.09	14.81360	(14010217)	413294.78
3728184.09	15.02936	(14010217)		
413314.78	3728184.09	12.25439	(14111817)	413334.78
3728184.09	14.61247	(14111817)		
413354.78	3728184.09	15.38403	(14111817)	413374.78
3728184.09	16.25737	(14010217)		
413394.78	3728184.09	17.14156	(14010217)	413414.78
3728184.09	17.51530	(14010217)		
413434.78	3728184.09	17.10872	(14010217)	413454.78
3728184.09	17.12789	(14111817)		
413474.78	3728184.09	17.16385	(14111817)	413494.78
3728184.09	17.18254	(14111817)		
413514.78	3728184.09	16.99377	(15010617)	413534.78
3728184.09	16.63627	(15010617)		
413554.78	3728184.09	16.75559	(15010617)	413574.78
3728184.09	17.16448	(15010617)		
413594.78	3728184.09	17.55588	(15010617)	413614.78
3728184.09	17.48839	(15010617)		
413634.78	3728184.09	17.38099	(15010617)	413654.78
3728184.09	17.36236	(15010617)		
413674.78	3728184.09	16.64766	(15010617)	413694.78
3728184.09	17.14914	(15010617)		
413714.78	3728184.09	17.44338	(15010617)	413734.78
3728184.09	17.48851	(15010617)		
413174.78	3728204.09	11.55778	(16110817)	413194.78
3728204.09	11.50961	(16110817)		
413214.78	3728204.09	11.45227	(16110817)	413234.78
3728204.09	11.39103	(16110817)		

413254.78	3728204.09	11.32310	(16110817)	413274.78
3728204.09	13.76117 (14111817)			
413294.78	3728204.09	11.74863	(14111817)	413314.78
3728204.09	13.55915 (14111817)			
413334.78	3728204.09	15.85807	(14010217)	413354.78
3728204.09	16.19184 (14010217)			
413374.78	3728204.09	16.78281	(14010217)	413394.78
3728204.09	17.06311 (14010217)			
413414.78	3728204.09	17.39008	(14010217)	413434.78
3728204.09	17.00420 (14010217)			
413454.78	3728204.09	16.94344	(14111817)	413474.78
3728204.09	17.02405 (14111817)			
413494.78	3728204.09	16.92488	(14111817)	413514.78
3728204.09	16.74263 (14111817)			
413534.78	3728204.09	16.16228	(15010617)	413554.78
3728204.09	16.80168 (15010617)			
413574.78	3728204.09	17.28028	(15010617)	413594.78
3728204.09	17.26255 (15010617)			
413614.78	3728204.09	17.08942	(15010617)	413634.78
3728204.09	17.15738 (15010617)			
413654.78	3728204.09	17.21014	(15010617)	413674.78
3728204.09	16.31561 (15010617)			
413694.78	3728204.09	16.81438	(15010617)	413714.78
3728204.09	17.21668 (15010617)			
413734.78	3728204.09	17.07541	(15010617)	413234.78
3728224.09	11.50891 (16110817)			
413254.78	3728224.09	11.28964	(16110817)	413274.78
3728224.09	11.21816 (16110817)			
413294.78	3728224.09	11.67994	(14111817)	413314.78
3728224.09	14.63106 (14010217)			
413334.78	3728224.09	15.69763	(14010217)	413354.78
3728224.09	16.20517 (14010217)			
413374.78	3728224.09	16.24398	(14010217)	413394.78
3728224.09	16.47491 (14010217)			
413414.78	3728224.09	17.28271	(14010217)	413434.78
3728224.09	16.83761 (14010217)			
413454.78	3728224.09	16.77373	(14111817)	413474.78
3728224.09	16.75741 (14111817)			
413494.78	3728224.09	16.72073	(14111817)	413514.78
3728224.09	15.94820 (14111817)			
413534.78	3728224.09	16.12852	(14111817)	413554.78
3728224.09	16.89979 (15010617)			
413574.78	3728224.09	17.07109	(15010617)	413594.78
3728224.09	16.91859 (15010617)			
413614.78	3728224.09	15.98955	(15010617)	413634.78
3728224.09	16.28360 (15010617)			

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20

*** AERMET - VERSION 16216 *** ***

*** 16:48:31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413654.78	3728224.09	17.03711	(15010617)	413674.78
3728224.09	16.03603	(15010617)		
413694.78	3728224.09	15.74148	(15010617)	413714.78
3728224.09	16.08069	(15010617)		
413734.78	3728224.09	16.71295	(15010617)	413234.78
3728244.09	11.36827	(16110817)		
413254.78	3728244.09	11.56513	(16110817)	413274.78
3728244.09	11.33713	(16110817)		
413294.78	3728244.09	11.95110	(14111817)	413314.78
3728244.09	14.81848	(14010217)		
413334.78	3728244.09	15.72571	(14010217)	413354.78
3728244.09	15.60380	(14010217)		
413374.78	3728244.09	15.75145	(14010217)	413394.78
3728244.09	16.11815	(14010217)		
413414.78	3728244.09	17.09646	(14010217)	413434.78
3728244.09	16.82821	(14010217)		
413454.78	3728244.09	16.49064	(14111817)	413474.78
3728244.09	16.10110	(14111817)		
413494.78	3728244.09	15.55860	(14111817)	413514.78
3728244.09	15.64175	(14111817)		
413534.78	3728244.09	16.52899	(14111817)	413554.78
3728244.09	16.77176	(15010617)		
413574.78	3728244.09	16.65740	(15010617)	413594.78
3728244.09	16.57336	(15010617)		
413614.78	3728244.09	15.56083	(15010617)	413634.78

3728244.09	16.72378	(15010617)			
413654.78	3728244.09		16.81879	(15010617)	413674.78
3728244.09	15.63795	(15010617)			
413694.78	3728244.09		15.97563	(15010617)	413714.78
3728244.09	17.05177	(15010617)			
413734.78	3728244.09		17.14273	(15010617)	413234.78
3728264.09	11.28318	(16110817)			
413254.78	3728264.09		12.37740	(16110817)	413274.78
3728264.09	12.09222	(16110817)			
413294.78	3728264.09		11.48743	(14111817)	413314.78
3728264.09	14.05247	(14111817)			
413334.78	3728264.09		15.55216	(14010217)	413354.78
3728264.09	15.03110	(14010217)			
413374.78	3728264.09		15.41127	(14010217)	413394.78
3728264.09	15.97332	(14010217)			
413414.78	3728264.09		17.17603	(14010217)	413434.78
3728264.09	16.90932	(14010217)			
413454.78	3728264.09		16.78566	(14010217)	413474.78
3728264.09	16.04065	(14111817)			
413494.78	3728264.09		15.36331	(14111817)	413514.78
3728264.09	16.44110	(14111817)			
413534.78	3728264.09		16.52705	(14111817)	413554.78
3728264.09	16.38374	(15010617)			
413574.78	3728264.09		16.32997	(15010617)	413594.78
3728264.09	15.26061	(15010617)			
413614.78	3728264.09		16.53210	(15010617)	413634.78
3728264.09	16.81110	(15010617)			
413654.78	3728264.09		16.58799	(15010617)	413674.78
3728264.09	15.41011	(15010617)			
413694.78	3728264.09		15.57622	(15010617)	413714.78
3728264.09	16.62823	(15010617)			
413734.78	3728264.09		15.93109	(15010617)	413234.78
3728284.09	11.24559	(16110817)			
413254.78	3728284.09		11.18730	(16110817)	413274.78
3728284.09	14.40779	(14010217)			
413294.78	3728284.09		14.34958	(14010217)	413314.78
3728284.09	12.72627	(14111817)			
413334.78	3728284.09		14.06359	(14111817)	413354.78
3728284.09	14.64363	(14010217)			
413374.78	3728284.09		15.87635	(14010217)	413394.78
3728284.09	16.38901	(14010217)			
413414.78	3728284.09		16.68643	(14010217)	413434.78
3728284.09	16.47315	(14010217)			
413454.78	3728284.09		16.30091	(14010217)	413474.78
3728284.09	15.08431	(14111817)			
413494.78	3728284.09		15.38079	(14111817)	413514.78
3728284.09	16.27471	(14111817)			
413534.78	3728284.09		16.22350	(14111817)	413554.78
3728284.09	16.11138	(14111817)			
413574.78	3728284.09		15.14511	(15010617)	413594.78

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3728284.09      15.46761 (15010617)
                413614.78  3728284.09      16.56469 (15010617)      413634.78
3728284.09      16.51721 (15010617)
                413654.78  3728284.09      16.33287 (15010617)      413674.78
3728284.09      15.29952 (15010617)
^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
                ***      16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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                *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
                INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
                L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
                L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
                L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413694.78	3728284.09	15.13908	(15010617)	413714.78
3728284.09	15.37701 (15010617)			
413734.78	3728284.09	15.17425	(15010617)	413254.78
3728304.09	11.15250 (16110817)			
413274.78	3728304.09	11.09117	(16110817)	413294.78
3728304.09	14.44268 (14010217)			
413314.78	3728304.09	15.03271	(14010217)	413334.78
3728304.09	14.85007 (14010217)			
413354.78	3728304.09	14.58618	(14010217)	413374.78
3728304.09	15.12204 (14010217)			
413394.78	3728304.09	15.40776	(14010217)	413414.78
3728304.09	15.70622 (14010217)			
413434.78	3728304.09	15.48897	(14111817)	413454.78
3728304.09	15.32929 (14111817)			
413474.78	3728304.09	14.80341	(14111817)	413494.78
3728304.09	15.14109 (14111817)			

413514.78	3728304.09	15.33882	(14111817)	413534.78
3728304.09	15.40515	(14111817)		
413554.78	3728304.09	15.33000	(14111817)	413574.78
3728304.09	14.85706	(14111817)		
413594.78	3728304.09	15.33772	(15010617)	413614.78
3728304.09	15.82396	(15010617)		
413634.78	3728304.09	15.37873	(15010617)	413654.78
3728304.09	15.26905	(15010617)		
413674.78	3728304.09	14.99858	(15010617)	413694.78
3728304.09	14.57102	(15010617)		
413714.78	3728304.09	14.51319	(15010617)	413734.78
3728304.09	14.61340	(15010617)		
413254.78	3728324.09	11.56990	(16110817)	413274.78
3728324.09	11.05734	(16110817)		
413294.78	3728324.09	10.99404	(16110817)	413314.78
3728324.09	11.36291	(14111817)		
413334.78	3728324.09	15.44034	(14010217)	413354.78
3728324.09	15.77134	(14010217)		
413374.78	3728324.09	15.40077	(14010217)	413394.78
3728324.09	15.26416	(14010217)		
413414.78	3728324.09	15.06367	(14111817)	413434.78
3728324.09	14.91816	(14111817)		
413454.78	3728324.09	14.70224	(14111817)	413474.78
3728324.09	14.46086	(14111817)		
413494.78	3728324.09	14.42294	(14111817)	413514.78
3728324.09	14.72006	(14111817)		
413534.78	3728324.09	14.81470	(14111817)	413554.78
3728324.09	14.88153	(14111817)		
413574.78	3728324.09	14.83705	(14111817)	413594.78
3728324.09	14.83242	(15010617)		
413614.78	3728324.09	14.90788	(15010617)	413634.78
3728324.09	14.96583	(15010617)		
413654.78	3728324.09	15.04190	(15010617)	413674.78
3728324.09	15.12677	(15010617)		
413694.78	3728324.09	15.15826	(15010617)	413714.78
3728324.09	15.30384	(15010617)		
413734.78	3728324.09	15.33760	(15010617)	413254.78
3728344.09	11.92396	(16110817)		
413274.78	3728344.09	11.90784	(16110817)	413294.78
3728344.09	10.95934	(16110817)		
413314.78	3728344.09	10.89455	(16110817)	413334.78
3728344.09	10.85261	(14111817)		
413354.78	3728344.09	11.35280	(14111817)	413374.78
3728344.09	15.23970	(14010217)		
413394.78	3728344.09	15.55558	(14010217)	413414.78
3728344.09	15.59885	(14010217)		
413434.78	3728344.09	15.36683	(14010217)	413454.78
3728344.09	15.18393	(14111817)		
413474.78	3728344.09	14.20667	(14111817)	413494.78
3728344.09	14.57826	(14111817)		

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    413514.78  3728344.09    15.52170  (14111817)          413534.78
3728344.09    15.97710  (14111817)
    413554.78  3728344.09    15.98442  (14111817)          413574.78
3728344.09    15.90307  (14111817)
    413594.78  3728344.09    16.03811  (15010617)          413614.78
3728344.09    15.94750  (15010617)
    413634.78  3728344.09    15.76121  (15010617)          413654.78
3728344.09    15.76064  (15010617)
    413674.78  3728344.09    15.63079  (15010617)          413694.78
3728344.09    15.18420  (15010617)
    413714.78  3728344.09    14.11310  (15010617)          413734.78
3728344.09    10.36905  (13112817)
    413254.78  3728364.09    11.76880  (16110817)          413274.78
3728364.09    11.65546  (16110817)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***                      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***                      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
413294.78	3728364.09	11.07505	(16110817)	413314.78
3728364.09	11.15870	(16110817)		
413334.78	3728364.09	10.79138	(16110817)	413354.78
3728364.09	10.81344	(14111817)		
413374.78	3728364.09	10.83175	(14111817)	413394.78
3728364.09	10.84304	(14111817)		
413414.78	3728364.09	10.84754	(14111817)	413434.78

3728364.09	10.84612	(14111817)		
413454.78	3728364.09	10.83932	(14111817)	413474.78
3728364.09	10.98594	(14111817)		
413494.78	3728364.09	11.02351	(14111817)	413514.78
3728364.09	10.78363	(14111817)		
413534.78	3728364.09	10.75311	(14111817)	413554.78
3728364.09	10.71681	(14111817)		
413574.78	3728364.09	10.67478	(14111817)	413594.78
3728364.09	10.62707	(14111817)		
413614.78	3728364.09	10.58367	(13112817)	413634.78
3728364.09	10.55735	(13112817)		
413654.78	3728364.09	10.52549	(13112817)	413674.78
3728364.09	10.48828	(13112817)		
413694.78	3728364.09	10.44555	(13112817)	413714.78
3728364.09	10.39738	(13112817)		
413734.78	3728364.09	10.34288	(13112817)	413254.78
3728384.09	12.25539	(16110817)		
413274.78	3728384.09	11.72855	(16110817)	413294.78
3728384.09	11.04187	(16110817)		
413314.78	3728384.09	11.12811	(16110817)	413334.78
3728384.09	12.98346	(14111817)		
413354.78	3728384.09	12.75006	(14111817)	413374.78
3728384.09	10.98240	(14111817)		
413394.78	3728384.09	10.78334	(14111817)	413414.78
3728384.09	10.79206	(14111817)		
413434.78	3728384.09	10.79422	(14111817)	413454.78
3728384.09	10.78991	(14111817)		
413474.78	3728384.09	10.77790	(14111817)	413494.78
3728384.09	10.92011	(14111817)		
413514.78	3728384.09	10.74050	(14111817)	413534.78
3728384.09	10.71211	(14111817)		
413554.78	3728384.09	10.67783	(14111817)	413574.78
3728384.09	10.63782	(14111817)		
413594.78	3728384.09	10.59227	(14111817)	413614.78
3728384.09	10.54117	(14111817)		
413634.78	3728384.09	10.51383	(13112817)	413654.78
3728384.09	10.63685	(13112817)		
413674.78	3728384.09	10.90711	(13112817)	413694.78
3728384.09	13.03065	(15010617)		
413714.78	3728384.09	13.91909	(15010617)	413734.78
3728384.09	13.96018	(15010617)		
413254.78	3728404.09	14.74898	(16110817)	413274.78
3728404.09	12.51552	(16110817)		
413294.78	3728404.09	11.57211	(16110817)	413314.78
3728404.09	10.94662	(16110817)		
413334.78	3728404.09	12.30264	(14111817)	413354.78
3728404.09	13.10681	(14111817)		
413374.78	3728404.09	11.89097	(14111817)	413394.78
3728404.09	11.04281	(14111817)		
413414.78	3728404.09	11.21107	(14111817)	413434.78


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3728404.09      13.44030 (14111817)
      413454.78  3728404.09      14.03563 (14111817)      413474.78
3728404.09      12.42312 (14111817)
      413494.78  3728404.09      11.69966 (14111817)      413514.78
3728404.09      13.96085 (14111817)
      413534.78  3728404.09      13.36283 (14111817)      413554.78
3728404.09      13.53306 (14111817)
      413574.78  3728404.09      13.65647 (14111817)      413594.78
3728404.09      12.80496 (14111817)
      413614.78  3728404.09      12.73559 (14111817)      413634.78
3728404.09      11.94152 (13112817)
      413654.78  3728404.09      11.59455 (13112817)      413674.78
3728404.09      11.30227 (13112817)
      413694.78  3728404.09      11.61566 (13112817)      413714.78
3728404.09      11.10025 (13112817)
      413734.78  3728404.09      10.94083 (13112817)      413294.78
3728424.09      11.79470 (16110817)
      413314.78  3728424.09      10.96582 (16110817)      413334.78
3728424.09      10.89989 (16110817)
      413354.78  3728424.09      12.27007 (14111817)      413374.78
3728424.09      12.36078 (14111817)
      413394.78  3728424.09      11.13991 (14111817)      413414.78
3728424.09      10.89197 (14111817)

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      *** 05/26/20
*** AERMET - VERSION 16216 *** ***
      *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
      INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
      L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
      L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
      L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

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      X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)

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413434.78	3728424.09	13.59082	(14111817)	413454.78
3728424.09	14.15258	(14111817)		
413474.78	3728424.09	13.14455	(14111817)	413494.78
3728424.09	11.54291	(14111817)		
413514.78	3728424.09	11.52411	(14111817)	413534.78
3728424.09	11.16045	(14111817)		
413554.78	3728424.09	11.07155	(14111817)	413574.78
3728424.09	11.03146	(14111817)		
413594.78	3728424.09	10.83604	(14111817)	413614.78
3728424.09	10.68448	(14111817)		
413634.78	3728424.09	10.63475	(13112817)	413654.78
3728424.09	10.55906	(13112817)		
413674.78	3728424.09	10.57861	(13112817)	413694.78
3728424.09	10.79134	(13112817)		
413714.78	3728424.09	10.74944	(13112817)	413734.78
3728424.09	10.69844	(13112817)		
413294.78	3728444.09	13.65357	(16110817)	413314.78
3728444.09	11.64652	(16110817)		
413334.78	3728444.09	10.86845	(16110817)	413354.78
3728444.09	11.29540	(16110817)		
413374.78	3728444.09	12.66762	(14111817)	413394.78
3728444.09	12.76272	(14111817)		
413414.78	3728444.09	10.93856	(14111817)	413434.78
3728444.09	13.57991	(14111817)		
413454.78	3728444.09	14.07041	(14111817)	413474.78
3728444.09	13.59246	(14111817)		
413494.78	3728444.09	11.43426	(14111817)	413514.78
3728444.09	11.58108	(14111817)		
413534.78	3728444.09	11.71631	(14111817)	413554.78
3728444.09	11.68514	(14111817)		
413574.78	3728444.09	11.38846	(14111817)	413594.78
3728444.09	11.49512	(14111817)		
413614.78	3728444.09	11.54935	(14111817)	413634.78
3728444.09	11.49040	(14111817)		
413654.78	3728444.09	10.56889	(13112817)	413674.78
3728444.09	11.78579	(13112817)		
413694.78	3728444.09	12.97947	(15010617)	413714.78
3728444.09	13.65919	(15010617)		
413734.78	3728444.09	10.66944	(13112817)	413294.78
3728464.09	13.29175	(16110817)		
413314.78	3728464.09	11.81291	(16110817)	413334.78
3728464.09	11.07820	(16110817)		
413354.78	3728464.09	10.77263	(16110817)	413374.78
3728464.09	13.13319	(14111817)		
413394.78	3728464.09	12.62881	(14111817)	413414.78
3728464.09	11.03409	(14111817)		
413434.78	3728464.09	12.67759	(14111817)	413454.78
3728464.09	13.88014	(14111817)		

413474.78	3728464.09	13.65025	(14111817)	413494.78
3728464.09	11.70414	(14111817)		
413514.78	3728464.09	13.63039	(14111817)	413534.78
3728464.09	13.84302	(14111817)		
413554.78	3728464.09	13.94889	(14111817)	413574.78
3728464.09	13.90341	(14111817)		
413594.78	3728464.09	13.82568	(14111817)	413614.78
3728464.09	13.64808	(14111817)		
413634.78	3728464.09	12.40519	(14111817)	413654.78
3728464.09	10.62899	(13112817)		
413674.78	3728464.09	12.11075	(13112817)	413694.78
3728464.09	13.51180	(15010617)		
413714.78	3728464.09	13.80955	(15010617)	413734.78
3728464.09	10.89744	(13112817)		
413314.78	3728484.09	13.49633	(16110817)	413334.78
3728484.09	11.46593	(16110817)		
413354.78	3728484.09	10.74366	(16110817)	413374.78
3728484.09	11.40832	(14111817)		
413394.78	3728484.09	11.27749	(14111817)	413414.78
3728484.09	11.30054	(14111817)		
413434.78	3728484.09	11.37734	(14111817)	413454.78
3728484.09	11.81032	(14111817)		
413474.78	3728484.09	12.19166	(14111817)	413494.78
3728484.09	12.51711	(14111817)		
413514.78	3728484.09	14.14009	(14111817)	413534.78
3728484.09	14.56571	(14111817)		
413554.78	3728484.09	14.75383	(14111817)	413574.78
3728484.09	14.55617	(14111817)		
413594.78	3728484.09	14.79748	(14111817)	413614.78
3728484.09	14.35359	(14111817)		
413634.78	3728484.09	12.91153	(14111817)	413654.78
3728484.09	10.73724	(14111817)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413674.78	3728484.09	13.02114	(13112817)	413694.78
3728484.09	13.51057	(15010617)		
413714.78	3728484.09	13.73512	(15010617)	413734.78
3728484.09	13.21248	(15010617)		
413334.78	3728504.09	13.26060	(16110817)	413354.78
3728504.09	11.31865	(16110817)		
413374.78	3728504.09	10.64738	(16110817)	413394.78
3728504.09	12.48060	(14111817)		
413414.78	3728504.09	13.64799	(14010217)	413434.78
3728504.09	13.64461	(14111817)		
413454.78	3728504.09	13.87119	(14111817)	413474.78
3728504.09	13.75295	(14111817)		
413494.78	3728504.09	13.12605	(14111817)	413514.78
3728504.09	14.32990	(14111817)		
413534.78	3728504.09	14.58760	(14111817)	413554.78
3728504.09	14.42599	(14111817)		
413574.78	3728504.09	14.05168	(14111817)	413594.78
3728504.09	14.54314	(14111817)		
413614.78	3728504.09	14.30373	(14111817)	413634.78
3728504.09	13.14662	(14111817)		
413654.78	3728504.09	10.70869	(14111817)	413674.78
3728504.09	13.30168	(13112817)		
413694.78	3728504.09	13.71198	(15010617)	413714.78
3728504.09	13.71775	(15010617)		
413734.78	3728504.09	12.82272	(15010617)	413334.78
3728524.09	13.80926	(14010217)		
413354.78	3728524.09	13.23704	(14010217)	413374.78
3728524.09	10.85533	(16110817)		
413394.78	3728524.09	11.14611	(14111817)	413414.78
3728524.09	13.39164	(14010217)		
413434.78	3728524.09	13.82007	(14010217)	413454.78
3728524.09	14.42288	(14010217)		
413474.78	3728524.09	13.60172	(14111817)	413494.78
3728524.09	13.62657	(14111817)		
413514.78	3728524.09	13.80904	(14111817)	413534.78
3728524.09	13.87525	(14111817)		
413554.78	3728524.09	13.85204	(14111817)	413574.78
3728524.09	14.33419	(14111817)		
413594.78	3728524.09	14.70178	(14111817)	413614.78

3728524.09	14.10385	(14111817)		
413634.78	3728524.09	12.24535	(14111817)	413654.78
3728524.09	10.67491	(14111817)		
413674.78	3728524.09	12.92250	(13112817)	413694.78
3728524.09	13.54611	(15010617)		
413714.78	3728524.09	13.30308	(15010617)	413734.78
3728524.09	11.65429	(13112817)		
413334.78	3728544.09	13.96027	(14010217)	413354.78
3728544.09	13.53617	(14010217)		
413374.78	3728544.09	11.90529	(16110817)	413394.78
3728544.09	10.76674	(14111817)		
413414.78	3728544.09	13.32776	(14010217)	413434.78
3728544.09	14.16279	(14010217)		
413454.78	3728544.09	14.04174	(14010217)	413474.78
3728544.09	12.99165	(14111817)		
413494.78	3728544.09	14.14119	(14111817)	413514.78
3728544.09	14.27630	(14111817)		
413534.78	3728544.09	14.27098	(14111817)	413554.78
3728544.09	14.37058	(14111817)		
413574.78	3728544.09	14.55425	(14111817)	413594.78
3728544.09	14.11925	(14111817)		
413614.78	3728544.09	13.24421	(14111817)	413634.78
3728544.09	11.32311	(14111817)		
413654.78	3728544.09	10.49738	(14111817)	413674.78
3728544.09	13.20527	(14111817)		
413694.78	3728544.09	13.50964	(15010617)	413714.78
3728544.09	13.66449	(15010617)		
413734.78	3728544.09	13.36234	(15010617)	413374.78
3728564.09	13.19436	(14010217)		
413394.78	3728564.09	13.45921	(14010217)	413414.78
3728564.09	13.71064	(14010217)		
413434.78	3728564.09	14.23667	(14010217)	413454.78
3728564.09	13.38564	(14111817)		
413474.78	3728564.09	13.47453	(14111817)	413494.78
3728564.09	14.32831	(14010217)		
413514.78	3728564.09	14.40043	(14111817)	413534.78
3728564.09	14.40819	(14111817)		
413554.78	3728564.09	14.12427	(14111817)	413574.78
3728564.09	13.43893	(14111817)		
413594.78	3728564.09	12.36826	(14111817)	413614.78
3728564.09	11.38033	(14111817)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413634.78	3728564.09	10.50614	(14111817)	413654.78
3728564.09	10.36447	(14111817)		
413674.78	3728564.09	12.26645	(14111817)	413694.78
3728564.09	13.11920	(13112817)		
413714.78	3728564.09	13.86737	(15010617)	413734.78
3728564.09	14.54350	(15010617)		
413374.78	3728584.09	13.85926	(14010217)	413394.78
3728584.09	13.73597	(14010217)		
413414.78	3728584.09	14.03491	(14010217)	413434.78
3728584.09	13.94792	(14010217)		
413454.78	3728584.09	12.23832	(14111817)	413474.78
3728584.09	13.97208	(14010217)		
413494.78	3728584.09	14.25261	(14010217)	413514.78
3728584.09	13.81719	(14111817)		
413534.78	3728584.09	13.42782	(14111817)	413554.78
3728584.09	12.37116	(14111817)		
413574.78	3728584.09	10.97466	(14111817)	413594.78
3728584.09	10.63126	(14111817)		
413614.78	3728584.09	10.55428	(14111817)	413634.78
3728584.09	10.99924	(14111817)		
413654.78	3728584.09	11.56282	(14111817)	413674.78
3728584.09	13.14326	(14111817)		
413694.78	3728584.09	14.86679	(15010617)	413714.78
3728584.09	15.63491	(15010617)		
413734.78	3728584.09	15.78960	(15010617)	413374.78
3728604.09	13.53854	(14010217)		
413394.78	3728604.09	14.30584	(14010217)	413414.78
3728604.09	14.13197	(14010217)		
413434.78	3728604.09	13.13863	(14010217)	413454.78
3728604.09	12.01395	(14111817)		

413474.78	3728604.09	13.76831	(14010217)	413494.78
3728604.09	13.54316	(14111817)		
413514.78	3728604.09	12.81232	(14111817)	413534.78
3728604.09	11.37216	(14111817)		
413554.78	3728604.09	10.67622	(14111817)	413574.78
3728604.09	10.71845	(14111817)		
413594.78	3728604.09	11.32692	(14111817)	413614.78
3728604.09	12.18907	(14111817)		
413634.78	3728604.09	13.43701	(14111817)	413654.78
3728604.09	15.20601	(14111817)		
413674.78	3728604.09	15.71664	(14111817)	413694.78
3728604.09	15.86320	(15010617)		
413714.78	3728604.09	15.89672	(15010617)	413734.78
3728604.09	15.85153	(15010617)		
413414.78	3728624.09	13.08111	(14010217)	413434.78
3728624.09	13.52116	(14010217)		
413454.78	3728624.09	11.12269	(14111817)	413474.78
3728624.09	11.97217	(14111817)		
413494.78	3728624.09	12.14709	(14111817)	413514.78
3728624.09	10.95592	(14111817)		
413534.78	3728624.09	10.95760	(14111817)	413554.78
3728624.09	11.62646	(14111817)		
413574.78	3728624.09	12.73508	(14111817)	413594.78
3728624.09	13.58679	(14111817)		
413614.78	3728624.09	15.52952	(14111817)	413634.78
3728624.09	16.56904	(16102717)		
413654.78	3728624.09	16.66453	(16102717)	413674.78
3728624.09	16.29588	(16102717)		
413694.78	3728624.09	15.89758	(15010617)	413714.78
3728624.09	15.84939	(15010617)		
413734.78	3728624.09	15.69844	(15010617)	413414.78
3728644.09	13.53199	(14010217)		
413434.78	3728644.09	13.75465	(14010217)	413454.78
3728644.09	13.22404	(14010217)		
413474.78	3728644.09	11.08402	(14111817)	413494.78
3728644.09	10.89424	(14111817)		
413514.78	3728644.09	11.06075	(14111817)	413534.78
3728644.09	13.23286	(14111817)		
413554.78	3728644.09	13.87545	(14111817)	413574.78
3728644.09	15.95868	(14010217)		
413594.78	3728644.09	17.62823	(16102717)	413614.78
3728644.09	17.73367	(16102717)		
413634.78	3728644.09	17.39883	(16102717)	413654.78
3728644.09	16.98704	(16102717)		
413674.78	3728644.09	16.45161	(16102717)	413694.78
3728644.09	15.75670	(14111817)		
413714.78	3728644.09	15.41459	(15010617)	413734.78
3728644.09	14.53651	(15010617)		
413414.78	3728664.09	13.36681	(14010217)	413434.78
3728664.09	13.93288	(14010217)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
413454.78	3728664.09	14.40813	(14010217)	413474.78
3728664.09	13.13501	(14010217)		
413494.78	3728664.09	14.10310	(14010217)	413514.78
3728664.09	14.48592	(14010217)		
413534.78	3728664.09	16.61594	(16102717)	413554.78
3728664.09	18.48974	(16102717)		
413574.78	3728664.09	18.62703	(16102717)	413594.78
3728664.09	18.40933	(16102717)		
413614.78	3728664.09	18.04776	(16102717)	413634.78
3728664.09	17.54866	(16102717)		
413654.78	3728664.09	16.85688	(16102717)	413674.78
3728664.09	15.64754	(14111817)		
413694.78	3728664.09	14.37209	(14111817)	413714.78
3728664.09	13.48758	(14111817)		
413734.78	3728664.09	13.64749	(15010617)	413414.78
3728684.09	13.53879	(14010217)		
413434.78	3728684.09	13.78510	(14010217)	413454.78
3728684.09	14.08924	(14010217)		
413474.78	3728684.09	14.85247	(14010217)	413494.78
3728684.09	17.14665	(16102717)		
413514.78	3728684.09	19.16196	(16102717)	413534.78

3728684.09	19.35032	(16102717)			
413554.78	3728684.09	19.22612	(16102717)		413574.78
3728684.09	18.95126	(16102717)			
413594.78	3728684.09	18.50866	(16102717)		413614.78
3728684.09	17.87380	(16102717)			
413634.78	3728684.09	16.57018	(16102717)		413654.78
3728684.09	14.83341	(14111817)			
413674.78	3728684.09	13.14054	(14111817)		413694.78
3728684.09	12.69358	(14111817)			
413714.78	3728684.09	13.21491	(14111817)		413734.78
3728684.09	14.05176	(15010617)			
410427.04	3723000.34	92.69884	(14120317)		410447.04
3723000.34	94.54477	(14120317)			
410467.04	3723000.34	96.46439	(14120317)		410487.04
3723000.34	98.36238	(14120317)			
410507.04	3723000.34	100.25319	(14120317)		410527.04
3723000.34	102.22259	(14120317)			
410547.04	3723000.34	104.31127	(14120317)		410567.04
3723000.34	106.42779	(14120317)			
410587.04	3723000.34	108.45785	(14120317)		410607.04
3723000.34	110.59490	(14120317)			
410627.04	3723000.34	112.89518	(14120317)		410647.04
3723000.34	115.19031	(14120317)			
410667.04	3723000.34	117.38958	(14120317)		410687.04
3723000.34	119.74328	(14120317)			
410707.04	3723000.34	122.31517	(14120317)		410727.04
3723000.34	124.79190	(14120317)			
410747.04	3723000.34	127.38340	(14120317)		410767.04
3723000.34	130.03718	(14120317)			
410787.04	3723000.34	132.85562	(14120317)		410807.04
3723000.34	135.72532	(14120317)			
410827.04	3723000.34	138.73472	(14120317)		410847.04
3723000.34	141.93756	(14120317)			
410867.04	3723000.34	145.35160	(14120317)		410887.04
3723000.34	148.82160	(14120317)			
410907.04	3723000.34	152.59204	(14120317)		410927.04
3723000.34	156.52813	(14120317)			
410947.04	3723000.34	160.63853	(14120317)		410967.04
3723000.34	171.37372	(13012117)			
410987.04	3723000.34	184.02335	(13012117)		411007.04
3723000.34	197.02163	(13012117)			
411027.04	3723000.34	210.62316	(13012117)		411047.04
3723000.34	224.07863	(13012117)			
411067.04	3723000.34	237.88413	(13012117)		411087.04
3723000.34	252.08222	(13012117)			
411107.04	3723000.34	266.56352	(13012117)		411127.04
3723000.34	281.50648	(13012117)			
411147.04	3723000.34	297.17547	(13012117)		411167.04
3723000.34	313.37761	(13012117)			
411187.04	3723000.34	330.59310	(13012117)		411207.04

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3723000.34      349.17720 (13012117)
      411227.04  3723000.34      371.53451 (12112917)      411327.04
3723000.34      590.47923 (14111717)
      410427.04  3723020.34      91.33019 (14120317)      410447.04
3723020.34      92.99188 (14120317)
      410467.04  3723020.34      94.67693 (14120317)      410487.04
3723020.34      96.37884 (14120317)
      410507.04  3723020.34      98.12985 (14120317)      410527.04
3723020.34      99.93745 (14120317)

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*** MODELOPTs:      RegDEFAULT CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2      ***
      INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
410547.04	3723020.34	101.77610 (14120317)	410567.04
3723020.34	103.64814 (14120317)		
410587.04	3723020.34	105.55347 (14120317)	410607.04
3723020.34	107.48296 (14120317)		
410627.04	3723020.34	109.46672 (14120317)	410647.04
3723020.34	111.48442 (14120317)		
410667.04	3723020.34	113.54263 (14120317)	410687.04
3723020.34	115.66725 (14120317)		
410707.04	3723020.34	117.85076 (14120317)	410727.04
3723020.34	120.09553 (14120317)		
410747.04	3723020.34	122.41629 (14120317)	410767.04
3723020.34	124.81674 (14120317)		

410787.04	3723020.34	127.22504	(14120317)	410807.04
3723020.34	129.73387	(14120317)		
410827.04	3723020.34	132.40431	(14120317)	410847.04
3723020.34	135.19877	(14120317)		
410867.04	3723020.34	138.12835	(14120317)	410887.04
3723020.34	141.16601	(14120317)		
410907.04	3723020.34	144.36449	(14120317)	410927.04
3723020.34	149.33788	(13012117)		
410947.04	3723020.34	160.74511	(13012117)	410967.04
3723020.34	172.58438	(13012117)		
410987.04	3723020.34	184.71411	(13012117)	411007.04
3723020.34	197.10774	(13012117)		
411027.04	3723020.34	209.73122	(13012117)	411047.04
3723020.34	222.56397	(13012117)		
411067.04	3723020.34	235.65002	(13012117)	411087.04
3723020.34	248.98947	(13012117)		
411107.04	3723020.34	262.57570	(13012117)	411127.04
3723020.34	276.59613	(13012117)		
411147.04	3723020.34	291.07928	(13012117)	411167.04
3723020.34	306.08785	(13012117)		
411187.04	3723020.34	321.87057	(13012117)	411207.04
3723020.34	338.23302	(13012117)		
411227.04	3723020.34	362.22316	(12112917)	410427.04
3723040.34	89.59202	(14120317)		
410447.04	3723040.34	91.05003	(14120317)	410467.04
3723040.34	92.58460	(14120317)		
410487.04	3723040.34	94.16196	(14120317)	410507.04
3723040.34	95.74401	(14120317)		
410527.04	3723040.34	97.35505	(14120317)	410547.04
3723040.34	98.98837	(14120317)		
410567.04	3723040.34	100.65107	(14120317)	410587.04
3723040.34	102.36465	(14120317)		
410607.04	3723040.34	103.97951	(14120317)	410627.04
3723040.34	105.70342	(14120317)		
410647.04	3723040.34	107.48097	(14120317)	410667.04
3723040.34	109.29471	(14120317)		
410687.04	3723040.34	111.15207	(14120317)	410707.04
3723040.34	113.04275	(14120317)		
410727.04	3723040.34	115.00109	(14120317)	410747.04
3723040.34	117.18466	(14120317)		
410767.04	3723040.34	119.04786	(14120317)	410787.04
3723040.34	121.14697	(14120317)		
410807.04	3723040.34	123.34101	(14120317)	410827.04
3723040.34	125.55778	(14120317)		
410847.04	3723040.34	127.91746	(14120317)	410867.04
3723040.34	130.37222	(14120317)		
410887.04	3723040.34	132.87437	(14120317)	410907.04
3723040.34	140.50080	(13012117)		
410927.04	3723040.34	151.18347	(13012117)	410947.04
3723040.34	161.80903	(13012117)		

3723060.34	97.30023	(14120317)		
410587.04	3723060.34	98.79342	(14120317)	410607.04
3723060.34	100.16348	(14120317)		
410627.04	3723060.34	101.74143	(14120317)	410647.04
3723060.34	103.30371	(14120317)		
410667.04	3723060.34	104.87425	(14120317)	410687.04
3723060.34	106.47237	(14120317)		
410707.04	3723060.34	108.08150	(14120317)	410727.04
3723060.34	109.73546	(14120317)		
410747.04	3723060.34	111.48963	(14120317)	410767.04
3723060.34	112.94934	(14120317)		
410787.04	3723060.34	114.66362	(14120317)	410807.04
3723060.34	116.44192	(14120317)		
410827.04	3723060.34	118.07388	(14120317)	410847.04
3723060.34	120.00941	(14120317)		
410867.04	3723060.34	122.59515	(13012117)	410887.04
3723060.34	132.14454	(13012117)		
410907.04	3723060.34	142.10617	(13012117)	410927.04
3723060.34	152.38697	(13012117)		
410947.04	3723060.34	162.69778	(13012117)	410967.04
3723060.34	173.67314	(13012117)		
410987.04	3723060.34	184.72702	(13012117)	411007.04
3723060.34	195.86927	(13012117)		
411027.04	3723060.34	207.12422	(13012117)	411047.04
3723060.34	218.55172	(13012117)		
411067.04	3723060.34	230.11581	(13012117)	411087.04
3723060.34	241.77428	(13012117)		
411107.04	3723060.34	253.58064	(13012117)	411127.04
3723060.34	265.33661	(13012117)		
411147.04	3723060.34	277.45621	(13012117)	411167.04
3723060.34	290.36587	(13012117)		
411187.04	3723060.34	302.23761	(13012117)	411207.04
3723060.34	319.48122	(12112917)		
411227.04	3723060.34	344.70386	(12112917)	411247.04
3723060.34	370.40213	(12112917)		
411267.04	3723060.34	396.10916	(12112917)	411287.04
3723060.34	414.53724	(12112917)		
410427.04	3723080.34	84.95924	(14120317)	410447.04
3723080.34	86.17245	(14120317)		
410467.04	3723080.34	87.40861	(14120317)	410487.04
3723080.34	88.66542	(14120317)		
410507.04	3723080.34	89.92239	(14120317)	410527.04
3723080.34	91.14544	(14120317)		
410547.04	3723080.34	92.41108	(14120317)	410567.04
3723080.34	93.63841	(14120317)		
410587.04	3723080.34	94.91030	(14120317)	410607.04
3723080.34	96.06040	(14120317)		
410627.04	3723080.34	97.42264	(14120317)	410647.04
3723080.34	98.77076	(14120317)		
410667.04	3723080.34	100.07830	(14120317)	410687.04

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411227.04	3723080.34	336.22559	(12112917)	411247.04
3723080.34	358.58321	(12112917)		
411267.04	3723080.34	378.46406	(12112917)	411287.04
3723080.34	395.80908	(12121217)		
410427.04	3723100.34	82.27199	(14120317)	410447.04
3723100.34	83.37299	(14120317)		
410467.04	3723100.34	84.42848	(14120317)	410487.04
3723100.34	85.50277	(14120317)		
410507.04	3723100.34	86.57622	(14120317)	410527.04
3723100.34	87.61066	(14120317)		
410547.04	3723100.34	88.68258	(14120317)	410567.04
3723100.34	89.71136	(14120317)		
410587.04	3723100.34	90.76138	(14120317)	410607.04
3723100.34	91.69496	(14120317)		
410627.04	3723100.34	92.75070	(14120317)	410647.04
3723100.34	93.81997	(14120317)		
410667.04	3723100.34	94.86372	(14120317)	410687.04
3723100.34	95.91830	(14120317)		
410707.04	3723100.34	96.96149	(14120317)	410727.04
3723100.34	98.00028	(14120317)		
410747.04	3723100.34	99.15753	(14120317)	410767.04
3723100.34	99.95993	(14120317)		
410787.04	3723100.34	100.93525	(14120317)	410807.04
3723100.34	101.97225	(14120317)		
410827.04	3723100.34	109.60856	(13012117)	410847.04
3723100.34	118.22630	(13012117)		
410867.04	3723100.34	127.03784	(13012117)	410887.04
3723100.34	136.01811	(13012117)		
410907.04	3723100.34	145.03763	(13012117)	410927.04
3723100.34	154.84491	(13012117)		
410947.04	3723100.34	164.63186	(13012117)	410967.04
3723100.34	174.33832	(13012117)		
410987.04	3723100.34	183.87639	(13012117)	411007.04
3723100.34	194.34631	(13012117)		
411027.04	3723100.34	204.41219	(13012117)	411047.04
3723100.34	214.15034	(13012117)		
411067.04	3723100.34	223.73119	(13012117)	411087.04
3723100.34	234.06575	(13012117)		
411107.04	3723100.34	243.87288	(13012117)	411127.04
3723100.34	252.59338	(13012117)		
411147.04	3723100.34	261.30170	(13012117)	411167.04
3723100.34	270.00641	(13012117)		
411187.04	3723100.34	285.55497	(12112917)	411207.04
3723100.34	306.37763	(12112917)		

411227.04	3723100.34	327.75308	(12112917)	411247.04
3723100.34	347.57499	(12112917)		
411267.04	3723100.34	361.06003	(12112917)	411287.04
3723100.34	377.16528	(12121217)		
411307.04	3723100.34	392.39165	(12121217)	410427.04
3723120.34	79.43502	(14120317)		
410447.04	3723120.34	80.33648	(14120317)	410467.04
3723120.34	81.21202	(14120317)		
410487.04	3723120.34	82.12014	(14120317)	410507.04
3723120.34	83.00357	(14120317)		
410527.04	3723120.34	83.85942	(14120317)	410547.04
3723120.34	84.73078	(14120317)		
410567.04	3723120.34	85.55960	(14120317)	410587.04
3723120.34	86.38815	(14120317)		
410607.04	3723120.34	87.11736	(14120317)	410627.04
3723120.34	87.95739	(14120317)		
410647.04	3723120.34	88.79256	(14120317)	410667.04
3723120.34	89.57870	(14120317)		
410687.04	3723120.34	90.35668	(14120317)	410707.04
3723120.34	91.12545	(14120317)		
410727.04	3723120.34	91.86437	(14120317)	410747.04
3723120.34	92.71861	(14120317)		
410767.04	3723120.34	93.20214	(14120317)	410787.04
3723120.34	96.63871	(13012117)		
410807.04	3723120.34	104.23704	(13012117)	410827.04
3723120.34	111.86988	(13012117)		
410847.04	3723120.34	120.32141	(13012117)	410867.04
3723120.34	128.86830	(13012117)		
410887.04	3723120.34	137.56976	(13012117)	410907.04
3723120.34	146.19951	(13012117)		
410927.04	3723120.34	155.65416	(13012117)	410947.04
3723120.34	164.94542	(13012117)		
410967.04	3723120.34	174.17557	(13012117)	410987.04
3723120.34	183.12260	(13012117)		
411007.04	3723120.34	192.95340	(13012117)	411027.04
3723120.34	202.28959	(13012117)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

PAGE 541

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,

, L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411047.04	3723120.34	211.24944	(13012117)	411067.04
3723120.34	219.95581	(13012117)		
411087.04	3723120.34	229.28792	(13012117)	411107.04
3723120.34	237.68202	(13012117)		
411127.04	3723120.34	244.87305	(13012117)	411147.04
3723120.34	251.63310	(13012117)		
411167.04	3723120.34	260.43271	(12112917)	411187.04
3723120.34	280.50979	(12112917)		
411207.04	3723120.34	299.54997	(12112917)	411227.04
3723120.34	318.27369	(12112917)		
411247.04	3723120.34	335.00899	(12112917)	411267.04
3723120.34	345.43333	(12112917)		
411287.04	3723120.34	358.60466	(12121217)	411307.04
3723120.34	371.78864	(14111717)		
411327.04	3723120.34	390.65593	(14111717)	410707.04
3723140.34	85.25427	(14120317)		
410727.04	3723140.34	85.73511	(14120317)	410747.04
3723140.34	86.21361	(14120317)		
410767.04	3723140.34	91.93263	(13012117)	410787.04
3723140.34	99.00354	(13012117)		
410807.04	3723140.34	106.44008	(13012117)	410827.04
3723140.34	113.91567	(13012117)		
410847.04	3723140.34	122.13399	(13012117)	410867.04
3723140.34	130.43558	(13012117)		
410887.04	3723140.34	138.79374	(13012117)	410907.04
3723140.34	147.07374	(13012117)		
410927.04	3723140.34	156.09029	(13012117)	410947.04
3723140.34	164.96338	(13012117)		
410967.04	3723140.34	173.64701	(13012117)	410987.04
3723140.34	181.98971	(13012117)		
411007.04	3723140.34	191.08804	(13012117)	411027.04
3723140.34	199.77851	(13012117)		
411047.04	3723140.34	207.81343	(13012117)	411067.04
3723140.34	215.49639	(13012117)		
411087.04	3723140.34	223.70954	(13012117)	411107.04

3723140.34	230.72179	(13012117)			
411127.04	3723140.34	236.36313	(13012117)		411147.04
3723140.34	241.16600	(13012117)			
411167.04	3723140.34	256.34106	(12112917)		411187.04
3723140.34	275.05120	(12112917)			
411207.04	3723140.34	291.89742	(12112917)		411227.04
3723140.34	308.06364	(12112917)			
411247.04	3723140.34	321.83269	(12112917)		411267.04
3723140.34	329.46991	(12112917)			
411287.04	3723140.34	342.99778	(12121217)		411307.04
3723140.34	352.21023	(14111717)			
411327.04	3723140.34	369.52953	(14111717)		410707.04
3723160.34	79.28107	(14120317)			
410727.04	3723160.34	81.35653	(13012117)		410747.04
3723160.34	87.78569	(13012117)			
410767.04	3723160.34	94.23723	(13012117)		410787.04
3723160.34	101.19232	(13012117)			
410807.04	3723160.34	108.47751	(13012117)		410827.04
3723160.34	115.76797	(13012117)			
410847.04	3723160.34	123.74816	(13012117)		410867.04
3723160.34	131.72804	(13012117)			
410887.04	3723160.34	139.77805	(13012117)		410907.04
3723160.34	147.68140	(13012117)			
410927.04	3723160.34	156.20059	(13012117)		410947.04
3723160.34	164.57340	(13012117)			
410967.04	3723160.34	172.69721	(13012117)		410987.04
3723160.34	180.48157	(13012117)			
411007.04	3723160.34	188.88777	(13012117)		411027.04
3723160.34	196.69867	(13012117)			
411047.04	3723160.34	203.68924	(13012117)		411067.04
3723160.34	210.38920	(13012117)			
411087.04	3723160.34	217.31884	(13012117)		411107.04
3723160.34	222.92549	(13012117)			
411127.04	3723160.34	227.01620	(13012117)		411147.04
3723160.34	233.89687	(12112917)			
411167.04	3723160.34	252.12881	(12112917)		411187.04
3723160.34	269.14311	(12112917)			
411207.04	3723160.34	283.90463	(12112917)		411227.04
3723160.34	297.70203	(12112917)			
411247.04	3723160.34	308.32396	(12112917)		411267.04
3723160.34	316.64691	(12121217)			
411287.04	3723160.34	328.51287	(12121217)		411307.04
3723160.34	335.63866	(14111717)			
411327.04	3723160.34	349.19689	(14111717)		411347.04
3723160.34	355.50419	(14111717)			
▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC					
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*** AERMET - VERSION 16216 *** ***					
	***	16:48:31			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411367.04	3723180.34	349.78877	(14111717)	410707.04
3723180.34	77.53825	(13012117)		
410727.04	3723180.34	83.57047	(13012117)	410747.04
3723180.34	90.00311	(13012117)		
410767.04	3723180.34	96.38472	(13012117)	410787.04
3723180.34	103.22158	(13012117)		
410807.04	3723180.34	110.34833	(13012117)	410827.04
3723180.34	117.38985	(13012117)		
410847.04	3723180.34	125.13046	(13012117)	410867.04
3723180.34	132.79022	(13012117)		
410887.04	3723180.34	140.48699	(13012117)	410907.04
3723180.34	147.98010	(13012117)		
410927.04	3723180.34	156.04449	(13012117)	410947.04
3723180.34	163.86614	(13012117)		
410967.04	3723180.34	171.44742	(13012117)	410987.04
3723180.34	178.55965	(13012117)		
411007.04	3723180.34	186.20263	(13012117)	411027.04
3723180.34	193.12762	(13012117)		
411047.04	3723180.34	199.42347	(13012117)	411067.04
3723180.34	205.10737	(13012117)		
411087.04	3723180.34	210.40118	(13012117)	411107.04
3723180.34	214.59890	(13012117)		
411127.04	3723180.34	217.08201	(13012117)	411147.04
3723180.34	230.63926	(12112917)		
411167.04	3723180.34	247.44798	(12112917)	411187.04
3723180.34	262.86828	(12112917)		

411207.04	3723180.34	275.57027	(12112917)	411227.04
3723180.34	287.01219	(12112917)		
411247.04	3723180.34	295.20355	(12112917)	411267.04
3723180.34	304.20898	(12121217)		
411287.04	3723180.34	312.72330	(12121217)	411307.04
3723180.34	319.96241	(14111717)		
411327.04	3723180.34	331.24763	(14111717)	411347.04
3723180.34	335.62453	(14111717)		
411367.04	3723180.34	331.38367	(14111717)	411387.04
3723180.34	336.27288	(15121017)		
410707.04	3723200.34	79.83243	(13012117)	410727.04
3723200.34	85.80269	(13012117)		
410747.04	3723200.34	92.09917	(13012117)	410767.04
3723200.34	98.35943	(13012117)		
410787.04	3723200.34	105.04663	(13012117)	410807.04
3723200.34	111.98178	(13012117)		
410827.04	3723200.34	118.79051	(13012117)	410847.04
3723200.34	126.22511	(13012117)		
410867.04	3723200.34	133.60378	(13012117)	410887.04
3723200.34	140.91191	(13012117)		
410907.04	3723200.34	147.96741	(13012117)	410927.04
3723200.34	155.55639	(13012117)		
410947.04	3723200.34	162.83277	(13012117)	410967.04
3723200.34	169.75571	(13012117)		
410987.04	3723200.34	176.18952	(13012117)	411007.04
3723200.34	182.98449	(13012117)		
411027.04	3723200.34	189.09614	(13012117)	411047.04
3723200.34	194.56444	(13012117)		
411067.04	3723200.34	199.23873	(13012117)	411087.04
3723200.34	203.06476	(13012117)		
411107.04	3723200.34	205.77152	(13012117)	411127.04
3723200.34	211.87073	(12112917)		
411147.04	3723200.34	227.21455	(12112917)	411167.04
3723200.34	242.64780	(12112917)		
411187.04	3723200.34	256.17289	(12112917)	411207.04
3723200.34	267.10767	(12112917)		
411227.04	3723200.34	276.11356	(12112917)	411247.04
3723200.34	281.99298	(12112917)		
411267.04	3723200.34	291.76569	(12121217)	411287.04
3723200.34	298.03036	(12121217)		
411307.04	3723200.34	306.67099	(14111717)	411327.04
3723200.34	315.93681	(14111717)		
411347.04	3723200.34	317.50949	(14111717)	411367.04
3723200.34	313.47905	(14111717)		
411387.04	3723200.34	319.36613	(15121017)	410707.04
3723220.34	81.98633	(13012117)		
410727.04	3723220.34	87.88280	(13012117)	410747.04
3723220.34	94.02639	(13012117)		
410767.04	3723220.34	100.15803	(13012117)	410787.04
3723220.34	106.67901	(13012117)		

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410807.04 3723220.34 113.38756 (13012117) 410827.04
3723220.34 119.95473 (13012117)
410847.04 3723220.34 127.08919 (13012117) 410867.04
3723220.34 134.09493 (13012117)
^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410887.04	3723220.34	140.99832	(13012117)	410907.04
3723220.34	147.64149	(13012117)		
410927.04	3723220.34	154.72130	(13012117)	410947.04
3723220.34	161.41219	(13012117)		
410967.04	3723220.34	167.68507	(13012117)	410987.04
3723220.34	173.39259	(13012117)		
411007.04	3723220.34	179.29295	(13012117)	411027.04
3723220.34	184.46002	(13012117)		
411047.04	3723220.34	188.85548	(13012117)	411067.04
3723220.34	192.43611	(13012117)		
411087.04	3723220.34	194.98302	(13012117)	411107.04
3723220.34	196.32521	(13012117)		
411127.04	3723220.34	209.12785	(12112917)	411147.04
3723220.34	223.33182	(12112917)		
411167.04	3723220.34	237.14656	(12112917)	411187.04
3723220.34	249.23270	(12112917)		
411207.04	3723220.34	258.33093	(12112917)	411227.04

3723220.34	265.55382	(12112917)		
411247.04	3723220.34	269.91504	(12121217)	411267.04
3723220.34	279.97322	(12121217)		
411287.04	3723220.34	284.70864	(12121217)	411307.04
3723220.34	292.81833	(14111717)		
411327.04	3723220.34	301.25828	(14111717)	411347.04
3723220.34	302.34663	(14111717)		
411367.04	3723220.34	296.93160	(14111717)	411387.04
3723220.34	303.01629	(15121017)		
410707.04	3723240.34	83.91121	(13012117)	410727.04
3723240.34	89.71276	(13012117)		
410747.04	3723240.34	95.70931	(13012117)	410767.04
3723240.34	101.75465	(13012117)		
410787.04	3723240.34	108.07746	(13012117)	410807.04
3723240.34	114.53335	(13012117)		
410827.04	3723240.34	120.87207	(13012117)	410847.04
3723240.34	127.68014	(13012117)		
410867.04	3723240.34	134.28248	(13012117)	410887.04
3723240.34	140.78787	(13012117)		
410907.04	3723240.34	146.96732	(13012117)	410927.04
3723240.34	153.49598	(13012117)		
410947.04	3723240.34	159.58823	(13012117)	410967.04
3723240.34	165.19330	(13012117)		
410987.04	3723240.34	170.14638	(13012117)	411007.04
3723240.34	175.05233	(13012117)		
411027.04	3723240.34	179.18168	(13012117)	411047.04
3723240.34	182.51718	(13012117)		
411067.04	3723240.34	184.97840	(13012117)	411087.04
3723240.34	186.49038	(13012117)		
411107.04	3723240.34	192.48142	(12112917)	411127.04
3723240.34	206.07813	(12112917)		
411147.04	3723240.34	219.12647	(12112917)	411167.04
3723240.34	231.24285	(12112917)		
411187.04	3723240.34	241.65199	(12112917)	411207.04
3723240.34	249.46796	(12112917)		
411227.04	3723240.34	255.11702	(12112917)	411247.04
3723240.34	260.54480	(12121217)		
411267.04	3723240.34	268.85136	(12121217)	411287.04
3723240.34	272.06921	(12121217)		
411307.04	3723240.34	280.20452	(14111717)	411327.04
3723240.34	287.27987	(14111717)		
411347.04	3723240.34	288.02659	(14111717)	411367.04
3723240.34	282.06446	(14111717)		
411387.04	3723240.34	287.70083	(15121017)	411407.04
3723240.34	289.69196	(15121017)		
410707.04	3723260.34	85.65250	(13012117)	410727.04
3723260.34	91.31843	(13012117)		
410747.04	3723260.34	97.16382	(13012117)	410767.04
3723260.34	103.15229	(13012117)		
410787.04	3723260.34	109.23556	(13012117)	410807.04

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3723260.34      115.38140 (13012117)
      410827.04  3723260.34      121.52862 (13012117)      410847.04
3723260.34      128.04317 (13012117)
      410867.04  3723260.34      134.23924 (13012117)      410887.04
3723260.34      140.29139 (13012117)
      410907.04  3723260.34      145.95218 (13012117)      410927.04
3723260.34      151.93102 (13012117)
      410947.04  3723260.34      157.38932 (13012117)      410967.04
3723260.34      162.33041 (13012117)
      410987.04  3723260.34      166.61146 (13012117)      411007.04
3723260.34      170.87480 (13012117)
      411027.04  3723260.34      174.12540 (13012117)      411047.04
3723260.34      176.34668 (13012117)
^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***          05/26/20
*** AERMET - VERSION 16216 *** ***
      ***          16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
      INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
      L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
      L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
      L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
411067.04	3723260.34	177.73944 (13012117)	411087.04
3723260.34	178.41625 (13012117)		
411107.04	3723260.34	190.79913 (12112917)	411127.04
3723260.34	203.09481 (12112917)		
411147.04	3723260.34	215.26137 (12112917)	411167.04
3723260.34	226.00166 (12112917)		
411187.04	3723260.34	234.86319 (12112917)	411207.04
3723260.34	241.01066 (12112917)		

411227.04	3723260.34	244.91410	(12112917)	411247.04
3723260.34	251.38950	(12121217)		
411267.04	3723260.34	258.16732	(12121217)	411287.04
3723260.34	260.14421	(12121217)		
411307.04	3723260.34	268.15551	(14111717)	411327.04
3723260.34	274.28689	(14111717)		
411347.04	3723260.34	274.68237	(14111717)	411367.04
3723260.34	268.83769	(14111717)		
411387.04	3723260.34	273.29829	(15121017)	411407.04
3723260.34	275.10600	(15121017)		
410707.04	3723280.34	87.44672	(13012117)	410727.04
3723280.34	92.94758	(13012117)		
410747.04	3723280.34	98.69754	(13012117)	410767.04
3723280.34	104.39334	(13012117)		
410787.04	3723280.34	110.29097	(13012117)	410807.04
3723280.34	116.25211	(13012117)		
410827.04	3723280.34	121.93825	(13012117)	410847.04
3723280.34	128.02589	(13012117)		
410867.04	3723280.34	133.83800	(13012117)	410887.04
3723280.34	139.41868	(13012117)		
410907.04	3723280.34	144.59668	(13012117)	410927.04
3723280.34	149.94550	(13012117)		
410947.04	3723280.34	154.81091	(13012117)	410967.04
3723280.34	159.00831	(13012117)		
410987.04	3723280.34	162.62604	(13012117)	411007.04
3723280.34	166.08424	(13012117)		
411027.04	3723280.34	168.48142	(13012117)	411047.04
3723280.34	169.78771	(13012117)		
411067.04	3723280.34	170.15799	(13012117)	411087.04
3723280.34	176.17521	(12112917)		
411107.04	3723280.34	188.46659	(12112917)	411127.04
3723280.34	199.91443	(12112917)		
411147.04	3723280.34	210.49261	(12112917)	411167.04
3723280.34	220.22467	(12112917)		
411187.04	3723280.34	227.74020	(12112917)	411207.04
3723280.34	232.45137	(12112917)		
411227.04	3723280.34	234.97062	(12112917)	411247.04
3723280.34	242.51843	(12121217)		
411267.04	3723280.34	247.86548	(12121217)	411287.04
3723280.34	248.90692	(12121217)		
411307.04	3723280.34	256.99219	(14111717)	411327.04
3723280.34	262.41422	(14111717)		
411347.04	3723280.34	262.22689	(14111717)	411367.04
3723280.34	256.96352	(14111717)		
411387.04	3723280.34	259.85019	(15121017)	411407.04
3723280.34	262.47295	(15121017)		
410707.04	3723300.34	89.02632	(13012117)	410727.04
3723300.34	94.37584	(13012117)		
410747.04	3723300.34	99.94056	(13012117)	410767.04
3723300.34	105.39860	(13012117)		

410787.04	3723300.34	111.05406	(13012117)	410807.04
3723300.34	116.71666	(13012117)		
410827.04	3723300.34	122.07331	(13012117)	410847.04
3723300.34	127.74603	(13012117)		
410867.04	3723300.34	133.15715	(13012117)	410887.04
3723300.34	138.21733	(13012117)		
410907.04	3723300.34	142.93370	(13012117)	410927.04
3723300.34	147.52972	(13012117)		
410947.04	3723300.34	151.68695	(13012117)	410967.04
3723300.34	155.26415	(13012117)		
410987.04	3723300.34	158.29347	(13012117)	411007.04
3723300.34	160.92328	(13012117)		
411027.04	3723300.34	162.50371	(13012117)	411047.04
3723300.34	162.98287	(13012117)		
411067.04	3723300.34	162.47938	(13012117)	411087.04
3723300.34	174.38579	(12112917)		
411107.04	3723300.34	185.37483	(12112917)	411127.04
3723300.34	195.81149	(12112917)		
411147.04	3723300.34	205.72531	(12112917)	411167.04
3723300.34	214.05470	(12112917)		
411187.04	3723300.34	220.48059	(12112917)	411207.04
3723300.34	223.77995	(12112917)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

411227.04	3723300.34	225.56399	(12121217)	411247.04
3723300.34	233.18133	(12121217)		
411267.04	3723300.34	237.52086	(12121217)	411287.04
3723300.34	238.31008	(12121217)		
411307.04	3723300.34	246.03906	(14111717)	411327.04
3723300.34	251.07566	(14111717)		
411347.04	3723300.34	251.07901	(14111717)	411367.04
3723300.34	246.19913	(14111717)		
411387.04	3723300.34	248.45289	(15121017)	411407.04
3723300.34	251.21714	(15121017)		
411427.04	3723300.34	252.71425	(15120717)	411447.04
3723300.34	255.44304	(15120717)		
410707.04	3723320.34	90.41683	(13012117)	410727.04
3723320.34	95.59409	(13012117)		
410747.04	3723320.34	100.99317	(13012117)	410767.04
3723320.34	106.18682	(13012117)		
410787.04	3723320.34	111.56883	(13012117)	410807.04
3723320.34	116.90826	(13012117)		
410827.04	3723320.34	121.91940	(13012117)	410847.04
3723320.34	127.21770	(13012117)		
410867.04	3723320.34	132.17720	(13012117)	410887.04
3723320.34	136.77937	(13012117)		
410907.04	3723320.34	141.00094	(13012117)	410927.04
3723320.34	145.04191	(13012117)		
410947.04	3723320.34	148.51293	(13012117)	410967.04
3723320.34	151.42949	(13012117)		
410987.04	3723320.34	153.67970	(13012117)	411007.04
3723320.34	155.54125	(13012117)		
411027.04	3723320.34	156.32868	(13012117)	411047.04
3723320.34	156.00073	(13012117)		
411067.04	3723320.34	161.20055	(12112917)	411087.04
3723320.34	172.43493	(12112917)		
411107.04	3723320.34	182.46931	(12112917)	411127.04
3723320.34	191.98199	(12112917)		
411147.04	3723320.34	200.75864	(12112917)	411167.04
3723320.34	207.94800	(12112917)		
411187.04	3723320.34	213.31793	(12112917)	411207.04
3723320.34	215.75977	(12112917)		
411227.04	3723320.34	218.75515	(12121217)	411247.04
3723320.34	225.17434	(12121217)		
411267.04	3723320.34	228.72981	(12121217)	411287.04
3723320.34	229.43023	(14111717)		
411307.04	3723320.34	236.36322	(14111717)	411327.04
3723320.34	240.24325	(14111717)		
411347.04	3723320.34	240.43779	(14111717)	411367.04
3723320.34	235.84317	(14111717)		
411387.04	3723320.34	238.23818	(15121017)	411407.04
3723320.34	240.54445	(15121017)		
411427.04	3723320.34	240.13560	(15120717)	411447.04

3723320.34	243.94910	(15120717)		
411467.04	3723320.34	242.70054	(15120717)	411487.04
3723320.34	239.08301	(13122717)		
410707.04	3723340.34	91.62905	(13012117)	410727.04
3723340.34	96.62642	(13012117)		
410747.04	3723340.34	101.80847	(13012117)	410767.04
3723340.34	106.74667	(13012117)		
410787.04	3723340.34	111.82908	(13012117)	410807.04
3723340.34	116.84589	(13012117)		
410827.04	3723340.34	121.50987	(13012117)	410847.04
3723340.34	126.37719	(13012117)		
410867.04	3723340.34	130.89747	(13012117)	410887.04
3723340.34	135.05575	(13012117)		
410907.04	3723340.34	138.85520	(13012117)	410927.04
3723340.34	142.25581	(13012117)		
410947.04	3723340.34	145.11281	(13012117)	410967.04
3723340.34	147.33089	(13012117)		
410987.04	3723340.34	148.81671	(13012117)	411007.04
3723340.34	149.96090	(13012117)		
411027.04	3723340.34	149.98723	(13012117)	411047.04
3723340.34	149.35715	(12112917)		
411067.04	3723340.34	159.76070	(12112917)	411087.04
3723340.34	170.22631	(12112917)		
411107.04	3723340.34	179.61728	(12112917)	411127.04
3723340.34	188.34667	(12112917)		
411147.04	3723340.34	195.74017	(12112917)	411167.04
3723340.34	201.83305	(12112917)		
411187.04	3723340.34	206.29833	(12112917)	411207.04
3723340.34	207.97559	(12112917)		
411227.04	3723340.34	212.19981	(12121217)	411247.04
3723340.34	217.46828	(12121217)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411267.04	3723340.34	220.15359	(12121217)	411287.04
3723340.34	221.24820	(14111717)		
411307.04	3723340.34	227.53387	(14111717)	411327.04
3723340.34	230.26408	(14111717)		
411347.04	3723340.34	230.43548	(14111717)	411367.04
3723340.34	226.35415	(14111717)		
411387.04	3723340.34	228.18242	(15121017)	411407.04
3723340.34	231.11447	(15121017)		
411427.04	3723340.34	229.53701	(15121017)	411447.04
3723340.34	233.17495	(15120717)		
411467.04	3723340.34	233.20453	(15120717)	411487.04
3723340.34	228.91558	(15120717)		
410707.04	3723360.34	92.65636	(13012117)	410727.04
3723360.34	97.46184	(13012117)		
410747.04	3723360.34	102.39093	(13012117)	410767.04
3723360.34	107.07518	(13012117)		
410787.04	3723360.34	111.84662	(13012117)	410807.04
3723360.34	116.51437	(13012117)		
410827.04	3723360.34	120.81669	(13012117)	410847.04
3723360.34	125.24163	(13012117)		
410867.04	3723360.34	129.29336	(13012117)	410887.04
3723360.34	132.98342	(13012117)		
410907.04	3723360.34	136.25534	(13012117)	410927.04
3723360.34	139.07922	(13012117)		
410947.04	3723360.34	141.34214	(13012117)	410967.04
3723360.34	142.88365	(13012117)		
410987.04	3723360.34	143.77741	(13012117)	411007.04
3723360.34	144.24061	(13012117)		
411027.04	3723360.34	143.60571	(13012117)	411047.04
3723360.34	148.36169	(12112917)		
411067.04	3723360.34	158.15087	(12112917)	411087.04
3723360.34	167.83462	(12112917)		
411107.04	3723360.34	176.45944	(12112917)	411127.04
3723360.34	184.12092	(12112917)		
411147.04	3723360.34	190.57080	(12112917)	411167.04
3723360.34	195.63622	(12112917)		
411187.04	3723360.34	199.11194	(12112917)	411207.04
3723360.34	199.95935	(12112917)		
411227.04	3723360.34	205.34108	(12121217)	411247.04
3723360.34	209.87344	(12121217)		

411267.04	3723360.34	211.68541	(12121217)	411287.04
3723360.34	213.13890	(14111717)		
411307.04	3723360.34	218.93688	(14111717)	411327.04
3723360.34	221.20898	(14111717)		
411347.04	3723360.34	220.97874	(14111717)	411367.04
3723360.34	217.11554	(14111717)		
411387.04	3723360.34	218.71730	(15121017)	411407.04
3723360.34	221.82726	(15121017)		
411427.04	3723360.34	220.80185	(15121017)	411447.04
3723360.34	223.03602	(15120717)		
411467.04	3723360.34	223.57679	(15120717)	411487.04
3723360.34	220.45702	(15120717)		
410707.04	3723380.34	93.52202	(13012117)	410727.04
3723380.34	98.09371	(13012117)		
410747.04	3723380.34	102.78210	(13012117)	410767.04
3723380.34	107.18320	(13012117)		
410787.04	3723380.34	111.64393	(13012117)	410807.04
3723380.34	115.91832	(13012117)		
410827.04	3723380.34	119.89600	(13012117)	410847.04
3723380.34	123.73802	(13012117)		
410867.04	3723380.34	127.28305	(13012117)	410887.04
3723380.34	130.44359	(13012117)		
410907.04	3723380.34	133.19736	(13012117)	410927.04
3723380.34	135.44173	(13012117)		
410947.04	3723380.34	137.12663	(13012117)	410967.04
3723380.34	138.18056	(13012117)		
410987.04	3723380.34	138.58575	(13012117)	411007.04
3723380.34	138.41008	(13012117)		
411027.04	3723380.34	137.79776	(12112917)	411047.04
3723380.34	147.16246	(12112917)		
411067.04	3723380.34	156.32085	(12112917)	411087.04
3723380.34	165.31339	(12112917)		
411107.04	3723380.34	173.16776	(12112917)	411127.04
3723380.34	179.84834	(12112917)		
411147.04	3723380.34	185.60509	(12112917)	411167.04
3723380.34	189.97311	(12112917)		
411187.04	3723380.34	191.98109	(12112917)	411207.04
3723380.34	192.50662	(12121217)		
411227.04	3723380.34	198.40999	(12121217)	411247.04
3723380.34	202.13368	(12121217)		

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                    ***                  05/26/20
*** AERMET - VERSION 16216 ***      ***
                    ***                  16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411267.04	3723380.34	203.33800	(12121217)	411287.04
3723380.34	205.19789	(14111717)		
411307.04	3723380.34	210.36448	(14111717)	411327.04
3723380.34	212.59790	(14111717)		
411347.04	3723380.34	211.92688	(14111717)	411367.04
3723380.34	208.11540	(14111717)		
411387.04	3723380.34	209.30823	(15121017)	411407.04
3723380.34	212.43752	(15121017)		
411427.04	3723380.34	212.28023	(15121017)	411447.04
3723380.34	212.99846	(15120717)		
411467.04	3723380.34	214.28352	(15120717)	411487.04
3723380.34	212.46258	(15120717)		
411507.04	3723380.34	210.66060	(16110817)	411527.04
3723380.34	210.49654	(16110817)		
411547.04	3723380.34	207.38116	(16110817)	411567.04
3723380.34	205.44936	(14111817)		
411587.04	3723380.34	201.57188	(14111817)	411607.04
3723380.34	198.98776	(14102417)		
410707.04	3723400.34	94.20128	(13012117)	410727.04
3723400.34	98.52214	(13012117)		
410747.04	3723400.34	102.95855	(13012117)	410767.04
3723400.34	107.05736	(13012117)		
410787.04	3723400.34	111.18508	(13012117)	410807.04
3723400.34	115.15460	(13012117)		
410827.04	3723400.34	118.80585	(13012117)	410847.04
3723400.34	122.23758	(13012117)		
410867.04	3723400.34	125.33007	(13012117)	410887.04
3723400.34	128.00361	(13012117)		
410907.04	3723400.34	130.24482	(13012117)	410927.04
3723400.34	131.96036	(13012117)		
410947.04	3723400.34	133.10447	(13012117)	410967.04

3723400.34	133.56476	(13012117)		
410987.04	3723400.34	133.30983	(13012117)	411007.04
3723400.34	132.57751	(13012117)		
411027.04	3723400.34	137.03008	(12112917)	411047.04
3723400.34	145.92958	(12112917)		
411067.04	3723400.34	154.50264	(12112917)	411087.04
3723400.34	162.64039	(12112917)		
411107.04	3723400.34	169.58931	(12112917)	411127.04
3723400.34	175.58596	(12112917)		
411147.04	3723400.34	180.39218	(12112917)	411167.04
3723400.34	183.89410	(12112917)		
411187.04	3723400.34	185.51255	(12112917)	411207.04
3723400.34	187.26522	(12121217)		
411227.04	3723400.34	192.46112	(12121217)	411247.04
3723400.34	195.47514	(12121217)		
411267.04	3723400.34	196.14517	(12121217)	411287.04
3723400.34	198.40846	(14111717)		
411307.04	3723400.34	203.10222	(14111717)	411327.04
3723400.34	205.11648	(14111717)		
411347.04	3723400.34	204.32560	(14111717)	411367.04
3723400.34	200.60423	(14111717)		
411387.04	3723400.34	201.42796	(15121017)	411407.04
3723400.34	204.52179	(15121017)		
411427.04	3723400.34	204.76786	(15121017)	411447.04
3723400.34	204.41820	(15120717)		
411467.04	3723400.34	206.21761	(15120717)	411487.04
3723400.34	205.16967	(15120717)		
411507.04	3723400.34	201.89152	(16110817)	411527.04
3723400.34	202.65192	(16110817)		
411547.04	3723400.34	200.31564	(16110817)	411567.04
3723400.34	197.79923	(14111817)		
411587.04	3723400.34	195.65042	(14111817)	411607.04
3723400.34	191.77539	(15010617)		
410707.04	3723420.34	94.65487	(13012117)	410727.04
3723420.34	98.73471	(13012117)		
410747.04	3723420.34	102.88050	(13012117)	410767.04
3723420.34	106.70447	(13012117)		
410787.04	3723420.34	110.53142	(13012117)	410807.04
3723420.34	114.16047	(13012117)		
410827.04	3723420.34	117.43249	(13012117)	410847.04
3723420.34	120.46359	(13012117)		
410867.04	3723420.34	123.07050	(13012117)	410887.04
3723420.34	125.24294	(13012117)		
410907.04	3723420.34	126.95191	(13012117)	410927.04
3723420.34	128.18110	(13012117)		
410947.04	3723420.34	128.85688	(13012117)	410967.04
3723420.34	128.79675	(13012117)		
410987.04	3723420.34	127.98472	(13012117)	411007.04
3723420.34	127.38475	(12112917)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC

*** 05/26/20
 *** AERMET - VERSION 16216 ***
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411027.04	3723420.34	136.02278	(12112917)	411047.04
3723420.34	144.36527	(12112917)		
411067.04	3723420.34	152.27768	(12112917)	411087.04
3723420.34	159.70944	(12112917)		
411107.04	3723420.34	165.94103	(12112917)	411127.04
3723420.34	171.15845	(12112917)		
411147.04	3723420.34	175.13041	(12112917)	411167.04
3723420.34	177.84169	(12112917)		
411187.04	3723420.34	178.81513	(12112917)	411207.04
3723420.34	181.72184	(12121217)		
411227.04	3723420.34	186.16467	(12121217)	411247.04
3723420.34	188.52728	(12121217)		
411267.04	3723420.34	188.69421	(12121217)	411287.04
3723420.34	191.40535	(14111717)		
411307.04	3723420.34	195.59623	(14111717)	411327.04
3723420.34	197.32265	(14111717)		
411347.04	3723420.34	196.40395	(14111717)	411367.04
3723420.34	192.83676	(14111717)		
411387.04	3723420.34	193.31995	(15121017)	411407.04
3723420.34	196.37574	(15121017)		
411427.04	3723420.34	196.91224	(15121017)	411447.04
3723420.34	195.64153	(15120717)		

411467.04	3723420.34	197.82543	(15120717)	411487.04
3723420.34	197.36671	(15120717)		
411507.04	3723420.34	194.27476	(15120717)	411527.04
3723420.34	195.04508	(16110817)		
411547.04	3723420.34	193.66158	(16110817)	411567.04
3723420.34	190.40772	(14111817)		
411587.04	3723420.34	189.58351	(14111817)	411607.04
3723420.34	185.27813	(14111817)		
410707.04	3723440.34	94.87402	(13012117)	410727.04
3723440.34	98.76818	(13012117)		
410747.04	3723440.34	102.57720	(13012117)	410767.04
3723440.34	106.14124	(13012117)		
410787.04	3723440.34	109.65453	(13012117)	410807.04
3723440.34	112.90163	(13012117)		
410827.04	3723440.34	115.71407	(13012117)	410847.04
3723440.34	118.40362	(13012117)		
410867.04	3723440.34	120.54362	(13012117)	410887.04
3723440.34	122.14596	(13012117)		
410907.04	3723440.34	123.34664	(13012117)	410927.04
3723440.34	124.22832	(13012117)		
410947.04	3723440.34	124.44252	(13012117)	410967.04
3723440.34	123.89013	(13012117)		
410987.04	3723440.34	122.63233	(13012117)	411007.04
3723440.34	126.75207	(12112917)		
411027.04	3723440.34	134.72863	(12112917)	411047.04
3723440.34	142.31837	(12112917)		
411067.04	3723440.34	149.62059	(12112917)	411087.04
3723440.34	156.52910	(12112917)		
411107.04	3723440.34	162.28058	(12112917)	411127.04
3723440.34	166.67571	(12112917)		
411147.04	3723440.34	169.95046	(12112917)	411167.04
3723440.34	172.07719	(12112917)		
411187.04	3723440.34	172.19036	(12112917)	411207.04
3723440.34	176.29770	(12121217)		
411227.04	3723440.34	180.10187	(12121217)	411247.04
3723440.34	181.95931	(12121217)		
411267.04	3723440.34	181.79318	(12121217)	411287.04
3723440.34	184.81262	(14111717)		
411307.04	3723440.34	188.41490	(14111717)	411327.04
3723440.34	189.96167	(14111717)		
411347.04	3723440.34	189.07134	(14111717)	411367.04
3723440.34	185.67231	(14111717)		
411387.04	3723440.34	185.70776	(15121017)	411407.04
3723440.34	188.96256	(15121017)		
411427.04	3723440.34	189.50466	(15121017)	411447.04
3723440.34	187.82573	(15121017)		
411467.04	3723440.34	189.78649	(15120717)	411487.04
3723440.34	190.19240	(15120717)		
411507.04	3723440.34	188.04440	(15120717)	411527.04
3723440.34	187.67043	(16110817)		

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411547.04 3723440.34 187.17224 (16110817) 411567.04
3723440.34 184.22856 (16110817)
411587.04 3723440.34 183.39658 (14111817) 411607.04
3723440.34 180.12136 (14111817)
410707.04 3723460.34 94.84067 (13012117) 410727.04
3723460.34 98.47644 (13012117)
410747.04 3723460.34 101.97268 (13012117) 410767.04
3723460.34 105.33322 (13012117)
^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
, L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
, L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
, L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410787.04	3723460.34	108.51213	(13012117)	410807.04
3723460.34	111.41512	(13012117)		
410827.04	3723460.34	113.82397	(13012117)	410847.04
3723460.34	116.11493	(13012117)		
410867.04	3723460.34	117.82596	(13012117)	410887.04
3723460.34	119.02666	(13012117)		
410907.04	3723460.34	119.74863	(13012117)	410927.04
3723460.34	120.18331	(13012117)		
410947.04	3723460.34	119.93430	(13012117)	410967.04
3723460.34	118.94254	(13012117)		
410987.04	3723460.34	117.85705	(12112917)	411007.04
3723460.34	125.96916	(12112917)		
411027.04	3723460.34	133.49948	(12112917)	411047.04

3723460.34	140.59016	(12112917)		
411067.04	3723460.34	147.30872	(12112917)	411087.04
3723460.34	153.51426	(12112917)		
411107.04	3723460.34	158.66471	(12112917)	411127.04
3723460.34	162.41026	(12112917)		
411147.04	3723460.34	165.06486	(12112917)	411167.04
3723460.34	166.50429	(12112917)		
411187.04	3723460.34	166.29492	(12121217)	411207.04
3723460.34	171.55487	(12121217)		
411227.04	3723460.34	174.79243	(12121217)	411247.04
3723460.34	176.25314	(12121217)		
411267.04	3723460.34	175.75078	(12121217)	411287.04
3723460.34	179.07554	(14111717)		
411307.04	3723460.34	181.97640	(14111717)	411327.04
3723460.34	183.54587	(14111717)		
411347.04	3723460.34	182.71989	(14111717)	411367.04
3723460.34	179.47692	(14111717)		
411387.04	3723460.34	179.16472	(15121017)	411407.04
3723460.34	182.42296	(15121017)		
411427.04	3723460.34	182.90455	(15121017)	411447.04
3723460.34	181.59532	(15121017)		
411467.04	3723460.34	182.70976	(15120717)	411487.04
3723460.34	183.73441	(15120717)		
411507.04	3723460.34	182.03369	(15120717)	411527.04
3723460.34	180.58651	(16110817)		
411547.04	3723460.34	180.91866	(16110817)	411567.04
3723460.34	178.67398	(16110817)		
411587.04	3723460.34	176.97975	(14111817)	411607.04
3723460.34	175.04093	(14111817)		
410707.04	3723480.34	94.83171	(13012117)	410727.04
3723480.34	98.18862	(13012117)		
410747.04	3723480.34	101.40797	(13012117)	410767.04
3723480.34	104.37905	(13012117)		
410787.04	3723480.34	107.20048	(13012117)	410807.04
3723480.34	109.72061	(13012117)		
410827.04	3723480.34	111.74755	(13012117)	410847.04
3723480.34	113.66164	(13012117)		
410867.04	3723480.34	114.96531	(13012117)	410887.04
3723480.34	115.73899	(13012117)		
410907.04	3723480.34	116.04541	(13012117)	410927.04
3723480.34	116.06358	(13012117)		
410947.04	3723480.34	115.40267	(13012117)	410967.04
3723480.34	114.01931	(13012117)		
410987.04	3723480.34	117.36511	(12112917)	411007.04
3723480.34	125.05351	(12112917)		
411027.04	3723480.34	132.10732	(12112917)	411047.04
3723480.34	138.68688	(12112917)		
411067.04	3723480.34	144.83884	(12112917)	411087.04
3723480.34	150.50081	(12112917)		
411107.04	3723480.34	155.04364	(12112917)	411127.04

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3723480.34      158.16350 (12112917)
      411147.04  3723480.34      160.23123 (12112917)      411167.04
3723480.34      161.12576 (12112917)
      411187.04  3723480.34      162.02345 (12121217)      411207.04
3723480.34      166.68539 (12121217)
      411227.04  3723480.34      169.43920 (12121217)      411247.04
3723480.34      170.46478 (12121217)
      411267.04  3723480.34      169.67892 (12121217)      411287.04
3723480.34      173.36815 (14111717)
      411307.04  3723480.34      175.99169 (14111717)      411327.04
3723480.34      177.33558 (14111717)
      411347.04  3723480.34      176.52269 (14111717)      411367.04
3723480.34      173.45828 (14111717)
      411387.04  3723480.34      172.73599 (15121017)      411407.04
3723480.34      175.94138 (15121017)
      411427.04  3723480.34      176.66048 (15121017)      411447.04
3723480.34      175.70604 (15121017)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

```

      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
      INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
      L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
      L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
      L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

```

      X-COORD (M) Y-COORD (M)      CONC      (YYMMDDHH)      X-COORD (M)
Y-COORD (M)      CONC      (YYMMDDHH)
-----
      411467.04  3723480.34      175.93095 (15120717)      411487.04
3723480.34      177.30279 (15120717)
      411507.04  3723480.34      176.25522 (15120717)      411527.04
3723480.34      173.86244 (16110817)

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411547.04	3723480.34	174.77917	(16110817)	411567.04
3723480.34	173.26852	(16110817)		
411587.04	3723480.34	170.77441	(16110817)	411607.04
3723480.34	169.96484	(14111817)		
410707.04	3723500.34	94.58560	(13012117)	410727.04
3723500.34	97.69577	(13012117)		
410747.04	3723500.34	100.59666	(13012117)	410767.04
3723500.34	103.21381	(13012117)		
410787.04	3723500.34	105.68767	(13012117)	410807.04
3723500.34	107.84290	(13012117)		
410827.04	3723500.34	109.51223	(13012117)	410847.04
3723500.34	111.01558	(13012117)		
410867.04	3723500.34	111.95265	(13012117)	410887.04
3723500.34	112.34118	(13012117)		
410907.04	3723500.34	112.27499	(13012117)	410927.04
3723500.34	111.91083	(13012117)		
410947.04	3723500.34	110.87633	(13012117)	410967.04
3723500.34	109.59601	(12112917)		
410987.04	3723500.34	116.76013	(12112917)	411007.04
3723500.34	123.99309	(12112917)		
411027.04	3723500.34	130.64470	(12112917)	411047.04
3723500.34	136.70732	(12112917)		
411067.04	3723500.34	142.32400	(12112917)	411087.04
3723500.34	147.40497	(12112917)		
411107.04	3723500.34	151.33768	(12112917)	411127.04
3723500.34	153.92583	(12112917)		
411147.04	3723500.34	155.46704	(12112917)	411167.04
3723500.34	155.89602	(12112917)		
411187.04	3723500.34	157.85905	(12121217)	411207.04
3723500.34	161.99571	(12121217)		
411227.04	3723500.34	164.26650	(12121217)	411247.04
3723500.34	164.91554	(12121217)		
411267.04	3723500.34	163.86254	(12121217)	411287.04
3723500.34	167.91590	(14111717)		
411307.04	3723500.34	170.35919	(14111717)	411327.04
3723500.34	171.48929	(14111717)		
411347.04	3723500.34	170.63428	(14111717)	411367.04
3723500.34	167.56583	(14111717)		
411387.04	3723500.34	166.55967	(15121017)	411407.04
3723500.34	169.85856	(15121017)		
411427.04	3723500.34	170.77615	(15121017)	411447.04
3723500.34	170.13248	(15121017)		
411467.04	3723500.34	169.54234	(15120717)	411487.04
3723500.34	171.20295	(15120717)		
411507.04	3723500.34	170.57324	(15120717)	411527.04
3723500.34	167.93836	(15120717)		
411547.04	3723500.34	168.75201	(16110817)	411567.04
3723500.34	168.04359	(16110817)		
411587.04	3723500.34	165.89376	(16110817)	411607.04
3723500.34	164.87155	(14111817)		

410707.04	3723520.34	94.09472	(13012117)	410727.04
3723520.34	96.92521	(13012117)		
410747.04	3723520.34	99.53884	(13012117)	410767.04
3723520.34	101.86167	(13012117)		
410787.04	3723520.34	103.99935	(13012117)	410807.04
3723520.34	105.81577	(13012117)		
410827.04	3723520.34	107.12654	(13012117)	410847.04
3723520.34	108.27440	(13012117)		
410867.04	3723520.34	108.82970	(13012117)	410887.04
3723520.34	108.86498	(13012117)		
410907.04	3723520.34	108.44118	(13012117)	410927.04
3723520.34	107.72582	(13012117)		
410947.04	3723520.34	106.36453	(13012117)	410967.04
3723520.34	109.25603	(12112917)		
410987.04	3723520.34	116.02316	(12112917)	411007.04
3723520.34	122.84912	(12112917)		
411027.04	3723520.34	129.03038	(12112917)	411047.04
3723520.34	134.63067	(12112917)		
411067.04	3723520.34	139.71864	(12112917)	411087.04
3723520.34	144.23620	(12112917)		
411107.04	3723520.34	147.65734	(12112917)	411127.04
3723520.34	149.75912	(12112917)		
411147.04	3723520.34	150.81829	(12112917)	411167.04
3723520.34	150.80870	(12112917)		
411187.04	3723520.34	153.82396	(12121217)	411207.04
3723520.34	157.45279	(12121217)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

*** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411227.04	3723520.34	159.41805	(12121217)	411247.04
3723520.34	159.65195	(12121217)		
411267.04	3723520.34	158.70093	(14111717)	411287.04
3723520.34	162.75152	(14111717)		
411307.04	3723520.34	165.21124	(14111717)	411327.04
3723520.34	166.05303	(14111717)		
411347.04	3723520.34	165.00880	(14111717)	411367.04
3723520.34	162.10824	(14111717)		
411387.04	3723520.34	160.79015	(15121017)	411407.04
3723520.34	164.26362	(15121017)		
411427.04	3723520.34	165.50672	(15121017)	411447.04
3723520.34	165.37151	(15121017)		
411467.04	3723520.34	163.86992	(15120717)	411487.04
3723520.34	165.72687	(15120717)		
411507.04	3723520.34	165.65839	(15120717)	411527.04
3723520.34	163.29388	(15120717)		
411547.04	3723520.34	162.88609	(16110817)	411567.04
3723520.34	162.93102	(16110817)		
411587.04	3723520.34	161.15824	(16110817)	411607.04
3723520.34	159.65269	(14111817)		
410707.04	3723540.34	93.38297	(13012117)	410727.04
3723540.34	95.93189	(13012117)		
410747.04	3723540.34	98.26351	(13012117)	410767.04
3723540.34	100.34157	(13012117)		
410787.04	3723540.34	102.16056	(13012117)	410807.04
3723540.34	103.63847	(13012117)		
410827.04	3723540.34	104.62066	(13012117)	410847.04
3723540.34	105.40357	(13012117)		
410867.04	3723540.34	105.63214	(13012117)	410887.04
3723540.34	105.32886	(13012117)		
410907.04	3723540.34	104.59093	(13012117)	410927.04
3723540.34	103.55938	(13012117)		
410947.04	3723540.34	102.18995	(12112917)	410967.04
3723540.34	108.74584	(12112917)		
410987.04	3723540.34	115.17118	(12112917)	411007.04
3723540.34	121.58889	(12112917)		
411027.04	3723540.34	127.35808	(12112917)	411047.04
3723540.34	132.47664	(12112917)		
411067.04	3723540.34	137.09536	(12112917)	411087.04
3723540.34	141.09393	(12112917)		
411107.04	3723540.34	144.01951	(12112917)	411127.04
3723540.34	145.64220	(12112917)		
411147.04	3723540.34	146.30316	(12112917)	411167.04
3723540.34	145.91509	(12112917)		
411187.04	3723540.34	149.85147	(12121217)	411207.04

3723540.34 153.06193 (12121217)
 411227.04 3723540.34 154.53637 (12121217) 411247.04
 3723540.34 154.59872 (12121217)
 411267.04 3723540.34 154.13661 (14111717) 411287.04
 3723540.34 157.83636 (14111717)
 411307.04 3723540.34 159.89827 (14111717) 411327.04
 3723540.34 160.70012 (14111717)
 411347.04 3723540.34 159.72163 (14111717) 411367.04
 3723540.34 156.97188 (14111717)
 411387.04 3723540.34 155.41237 (15121017) 411407.04
 3723540.34 158.64965 (15121017)
 411427.04 3723540.34 159.88056 (15121017) 411447.04
 3723540.34 159.75628 (15121017)
 411467.04 3723540.34 157.99700 (15121017) 411487.04
 3723540.34 159.81889 (15120717)
 411507.04 3723540.34 160.03789 (15120717) 411527.04
 3723540.34 158.37477 (15120717)
 411547.04 3723540.34 157.24724 (16110817) 411567.04
 3723540.34 157.87012 (16110817)
 411587.04 3723540.34 156.58108 (16110817) 411607.04
 3723540.34 154.74339 (16110817)
 410707.04 3723560.34 92.66155 (13012117) 410727.04
 3723560.34 94.92688 (13012117)
 410747.04 3723560.34 96.97205 (13012117) 410767.04
 3723560.34 98.68986 (13012117)
 410787.04 3723560.34 100.16994 (13012117) 410807.04
 3723560.34 101.31700 (13012117)
 410827.04 3723560.34 101.98719 (13012117) 410847.04
 3723560.34 102.44417 (13012117)
 410867.04 3723560.34 102.33905 (13012117) 410887.04
 3723560.34 101.76358 (13012117)
 410907.04 3723560.34 100.72897 (13012117) 410927.04
 3723560.34 99.41221 (13012117)
 410947.04 3723560.34 101.94708 (12112917) 410967.04
 3723560.34 108.16659 (12112917)

▲ *** AERMOD - VERSION 19191 *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162

, L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410987.04	3723560.34	114.22527	(12112917)	411007.04
3723560.34	120.23535	(12112917)		
411027.04	3723560.34	125.56548	(12112917)	411047.04
3723560.34	130.27350	(12112917)		
411067.04	3723560.34	134.41105	(12112917)	411087.04
3723560.34	137.92452	(12112917)		
411107.04	3723560.34	140.40187	(12112917)	411127.04
3723560.34	141.62053	(12112917)		
411147.04	3723560.34	141.87762	(12112917)	411167.04
3723560.34	142.19053	(12121217)		
411187.04	3723560.34	145.99547	(12121217)	411207.04
3723560.34	148.80093	(12121217)		
411227.04	3723560.34	150.00137	(12121217)	411247.04
3723560.34	149.82896	(12121217)		
411267.04	3723560.34	149.81502	(14111717)	411287.04
3723560.34	153.16079	(14111717)		
411307.04	3723560.34	154.97264	(14111717)	411327.04
3723560.34	155.69060	(14111717)		
411347.04	3723560.34	154.78680	(14111717)	411367.04
3723560.34	152.18860	(14111717)		
411387.04	3723560.34	150.33273	(15121017)	411407.04
3723560.34	153.53410	(15121017)		
411427.04	3723560.34	154.72815	(15121017)	411447.04
3723560.34	154.76381	(15121017)		
411467.04	3723560.34	153.27401	(15121017)	411487.04
3723560.34	154.40440	(15120717)		
411507.04	3723560.34	154.78706	(15120717)	411527.04
3723560.34	153.54652	(15120717)		
411547.04	3723560.34	151.87821	(16110817)	411567.04
3723560.34	152.90410	(16110817)		
411587.04	3723560.34	152.10755	(16110817)	411607.04
3723560.34	150.56221	(16110817)		
410707.04	3723580.34	91.73675	(13012117)	410727.04
3723580.34	93.73799	(13012117)		
410747.04	3723580.34	95.51241	(13012117)	410767.04
3723580.34	96.90655	(13012117)		

410787.04 3723580.34 98.03419 (13012117) 410807.04
3723580.34 98.85500 (13012117)
410827.04 3723580.34 99.23522 (13012117) 410847.04
3723580.34 99.29294 (13012117)
410867.04 3723580.34 98.91930 (13012117) 410887.04
3723580.34 98.11690 (13012117)
410907.04 3723580.34 96.86380 (13012117) 410927.04
3723580.34 95.29741 (12112917)
410947.04 3723580.34 101.42859 (12112917) 410967.04
3723580.34 107.39279 (12112917)
410987.04 3723580.34 113.14387 (12112917) 411007.04
3723580.34 118.60998 (12112917)
411027.04 3723580.34 123.56483 (12112917) 411047.04
3723580.34 127.92877 (12112917)
411067.04 3723580.34 131.61250 (12112917) 411087.04
3723580.34 134.55875 (12112917)
411107.04 3723580.34 136.56720 (12112917) 411127.04
3723580.34 137.57730 (12112917)
411147.04 3723580.34 137.52135 (12112917) 411167.04
3723580.34 138.82645 (12121217)
411187.04 3723580.34 142.25568 (12121217) 411207.04
3723580.34 144.70319 (12121217)
411227.04 3723580.34 145.61940 (12121217) 411247.04
3723580.34 145.23114 (12121217)
411267.04 3723580.34 145.70536 (14111717) 411287.04
3723580.34 148.74822 (14111717)
411307.04 3723580.34 150.35345 (14111717) 411327.04
3723580.34 150.95992 (14111717)
411347.04 3723580.34 150.07448 (14111717) 411367.04
3723580.34 147.55161 (14111717)
411387.04 3723580.34 145.50912 (15121017) 411407.04
3723580.34 148.63894 (15121017)
411427.04 3723580.34 149.91116 (15121017) 411447.04
3723580.34 150.12525 (15121017)
411467.04 3723580.34 148.91062 (15121017) 411487.04
3723580.34 149.26193 (15120717)
411507.04 3723580.34 149.96576 (15120717) 411527.04
3723580.34 149.10831 (15120717)
411547.04 3723580.34 147.17347 (15120717) 411567.04
3723580.34 148.02827 (16110817)
411587.04 3723580.34 147.74401 (16110817) 411607.04
3723580.34 146.52418 (16110817)
410707.04 3723600.34 90.61284 (13012117) 410727.04
3723600.34 92.34900 (13012117)

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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410747.04	3723600.34	93.81400	(13012117)	410767.04
3723600.34	94.98072	(13012117)		
410787.04	3723600.34	95.88351	(13012117)	410807.04
3723600.34	96.45426	(13012117)		
410827.04	3723600.34	96.56762	(13012117)	410847.04
3723600.34	96.31069	(13012117)		
410867.04	3723600.34	95.68818	(13012117)	410887.04
3723600.34	94.61929	(13012117)		
410907.04	3723600.34	93.16418	(13012117)	410927.04
3723600.34	95.24348	(12112917)		
410947.04	3723600.34	101.08634	(12112917)	410967.04
3723600.34	106.78172	(12112917)		
410987.04	3723600.34	112.20329	(12112917)	411007.04
3723600.34	117.25654	(12112917)		
411027.04	3723600.34	121.84524	(12112917)	411047.04
3723600.34	125.83397	(12112917)		
411067.04	3723600.34	128.93634	(12112917)	411087.04
3723600.34	131.57166	(12112917)		
411107.04	3723600.34	133.22118	(12112917)	411127.04
3723600.34	133.88335	(12112917)		
411147.04	3723600.34	133.50188	(12112917)	411167.04
3723600.34	135.56748	(12121217)		
411187.04	3723600.34	138.65696	(12121217)	411207.04
3723600.34	140.65871	(12121217)		
411227.04	3723600.34	141.32931	(12121217)	411247.04
3723600.34	140.71212	(12121217)		
411267.04	3723600.34	141.53608	(14111717)	411287.04

3723600.34	144.43625	(14111717)		
411307.04	3723600.34	146.02032	(14111717)	411327.04
3723600.34	146.45831	(14111717)		
411347.04	3723600.34	145.50189	(14111717)	411367.04
3723600.34	143.04144	(14111717)		
411387.04	3723600.34	140.70599	(15121017)	411407.04
3723600.34	143.84756	(15121017)		
411427.04	3723600.34	145.34960	(15121017)	411447.04
3723600.34	145.73515	(15121017)		
411467.04	3723600.34	144.72997	(15121017)	411487.04
3723600.34	144.28766	(15120717)		
411507.04	3723600.34	145.25059	(15120717)	411527.04
3723600.34	144.82773	(15120717)		
411547.04	3723600.34	143.27315	(15120717)	411567.04
3723600.34	143.27779	(16110817)		
411587.04	3723600.34	143.49381	(16110817)	411607.04
3723600.34	142.67051	(16110817)		
410707.04	3723620.34	89.32555	(13012117)	410727.04
3723620.34	90.80611	(13012117)		
410747.04	3723620.34	92.02715	(13012117)	410767.04
3723620.34	92.95247	(13012117)		
410787.04	3723620.34	93.61179	(13012117)	410807.04
3723620.34	93.93601	(13012117)		
410827.04	3723620.34	93.80959	(13012117)	410847.04
3723620.34	93.31401	(13012117)		
410867.04	3723620.34	92.44620	(13012117)	410887.04
3723620.34	91.17719	(13012117)		
410907.04	3723620.34	89.52896	(13012117)	410927.04
3723620.34	95.11513	(12112917)		
410947.04	3723620.34	100.68339	(12112917)	410967.04
3723620.34	106.07406	(12112917)		
410987.04	3723620.34	111.17453	(12112917)	411007.04
3723620.34	115.86777	(12112917)		
411027.04	3723620.34	120.06995	(12112917)	411047.04
3723620.34	123.67075	(12112917)		
411067.04	3723620.34	126.31348	(12112917)	411087.04
3723620.34	128.60563	(12112917)		
411107.04	3723620.34	129.93544	(12112917)	411127.04
3723620.34	130.28990	(12112917)		
411147.04	3723620.34	129.63708	(12112917)	411167.04
3723620.34	132.46659	(12121217)		
411187.04	3723620.34	135.12512	(12121217)	411207.04
3723620.34	136.64685	(12121217)		
411227.04	3723620.34	137.06841	(12121217)	411247.04
3723620.34	136.31051	(12121217)		
411267.04	3723620.34	137.47509	(14111717)	411287.04
3723620.34	140.21811	(14111717)		
411307.04	3723620.34	141.76494	(14111717)	411327.04
3723620.34	142.03025	(14111717)		
411347.04	3723620.34	141.01683	(14111717)	411367.04

3723620.34 138.65251 (14111717)
 411387.04 3723620.34 136.00510 (15121017) 411407.04
 3723620.34 139.08767 (15121017)
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411427.04	3723620.34	140.93650	(15121017)	411447.04
3723620.34	141.48576	(15121017)		
411467.04	3723620.34	140.68847	(15121017)	411487.04
3723620.34	139.39768	(15120717)		
411507.04	3723620.34	140.62317	(15120717)	411527.04
3723620.34	140.63387	(15120717)		
411547.04	3723620.34	139.52789	(15120717)	411567.04
3723620.34	138.67945	(16110817)		
411587.04	3723620.34	139.33035	(16110817)	411607.04
3723620.34	138.87986	(16110817)		
410707.04	3723640.34	88.05288	(13012117)	410727.04
3723640.34	89.26422	(13012117)		
410747.04	3723640.34	90.22656	(13012117)	410767.04
3723640.34	90.85069	(13012117)		
410787.04	3723640.34	91.25571	(13012117)	410807.04
3723640.34	91.33458	(13012117)		
410827.04	3723640.34	90.97568	(13012117)	410847.04
3723640.34	90.27427	(13012117)		

410867.04	3723640.34	89.20994	(13012117)	410887.04
3723640.34	87.74166	(13012117)		
410907.04	3723640.34	89.46348	(12112917)	410927.04
3723640.34	94.87884	(12112917)		
410947.04	3723640.34	100.12262	(12112917)	410967.04
3723640.34	105.20029	(12112917)		
410987.04	3723640.34	109.99866	(12112917)	411007.04
3723640.34	114.33766	(12112917)		
411027.04	3723640.34	118.19177	(12112917)	411047.04
3723640.34	121.40550	(12112917)		
411067.04	3723640.34	123.73621	(12112917)	411087.04
3723640.34	125.65045	(12112917)		
411107.04	3723640.34	126.60571	(12112917)	411127.04
3723640.34	126.66382	(12112917)		
411147.04	3723640.34	126.16681	(12121217)	411167.04
3723640.34	129.36641	(12121217)		
411187.04	3723640.34	131.67281	(12121217)	411207.04
3723640.34	132.92476	(12121217)		
411227.04	3723640.34	133.20568	(12121217)	411247.04
3723640.34	132.33008	(12121217)		
411267.04	3723640.34	133.87059	(14111717)	411287.04
3723640.34	136.44593	(14111717)		
411307.04	3723640.34	137.87406	(14111717)	411327.04
3723640.34	138.10331	(14111717)		
411347.04	3723640.34	137.06938	(14111717)	411367.04
3723640.34	134.85428	(14111717)		
411387.04	3723640.34	131.95666	(15121017)	411407.04
3723640.34	135.07198	(15121017)		
411427.04	3723640.34	137.03873	(15121017)	411447.04
3723640.34	137.56730	(15121017)		
411467.04	3723640.34	137.08076	(15121017)	411487.04
3723640.34	135.42720	(15121017)		
411507.04	3723640.34	136.70272	(15120717)	411527.04
3723640.34	136.94243	(15120717)		
411547.04	3723640.34	135.95366	(15120717)	411567.04
3723640.34	134.23303	(16110817)		
411587.04	3723640.34	135.24503	(16110817)	411607.04
3723640.34	135.08313	(16110817)		
410707.04	3723660.34	86.59474	(13012117)	410727.04
3723660.34	87.59283	(13012117)		
410747.04	3723660.34	88.32007	(13012117)	410767.04
3723660.34	88.67186	(13012117)		
410787.04	3723660.34	88.83799	(13012117)	410807.04
3723660.34	88.64571	(13012117)		
410827.04	3723660.34	88.03268	(13012117)	410847.04
3723660.34	87.12179	(13012117)		
410867.04	3723660.34	85.85652	(13012117)	410887.04
3723660.34	84.22942	(13012117)		
410907.04	3723660.34	89.25777	(12112917)	410927.04
3723660.34	94.44977	(12112917)		

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410947.04 3723660.34 99.31576 (12112917) 410967.04
3723660.34 104.07193 (12112917)
410987.04 3723660.34 108.52360 (12112917) 411007.04
3723660.34 112.52526 (12112917)
411027.04 3723660.34 116.02223 (12112917) 411047.04
3723660.34 118.90554 (12112917)
411067.04 3723660.34 121.06276 (12112917) 411087.04
3723660.34 122.51919 (12112917)
411107.04 3723660.34 123.15837 (12112917) 411127.04
3723660.34 122.90261 (12112917)
411147.04 3723660.34 123.26727 (12121217) 411167.04
3723660.34 126.17084 (12121217)

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
, L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
, L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
, L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
411187.04	3723660.34	128.17053 (12121217)	411207.04
3723660.34	129.19219 (12121217)		
411227.04	3723660.34	129.38661 (12121217)	411247.04
3723660.34	128.47408 (12121217)		
411267.04	3723660.34	130.47120 (14111717)	411287.04
3723660.34	132.99828 (14111717)		
411307.04	3723660.34	134.28914 (14111717)	411327.04
3723660.34	134.43968 (14111717)		
411347.04	3723660.34	133.44019 (14111717)	411367.04

3723660.34	131.23771	(14111717)		
411387.04	3723660.34	128.27253	(15121017)	411407.04
3723660.34	131.29987	(15121017)		
411427.04	3723660.34	133.18947	(15121017)	411447.04
3723660.34	133.71579	(15121017)		
411467.04	3723660.34	133.46352	(15121017)	411487.04
3723660.34	132.13972	(15121017)		
411507.04	3723660.34	132.71002	(15120717)	411527.04
3723660.34	133.15534	(15120717)		
411547.04	3723660.34	132.44198	(15120717)	411567.04
3723660.34	130.50756	(15120717)		
411587.04	3723660.34	131.23192	(16110817)	411607.04
3723660.34	131.39060	(16110817)		
410907.04	3723680.34	89.06846	(12112917)	410927.04
3723680.34	93.97072	(12112917)		
410947.04	3723680.34	98.64246	(12112917)	410967.04
3723680.34	103.11609	(12112917)		
410987.04	3723680.34	107.25054	(12112917)	411007.04
3723680.34	110.94876	(12112917)		
411027.04	3723680.34	114.12055	(12112917)	411047.04
3723680.34	116.70426	(12112917)		
411067.04	3723680.34	118.55727	(12112917)	411087.04
3723680.34	119.67553	(12112917)		
411107.04	3723680.34	120.03788	(12112917)	411127.04
3723680.34	119.51528	(12112917)		
411147.04	3723680.34	120.80794	(12121217)	411167.04
3723680.34	123.48199	(12121217)		
411187.04	3723680.34	125.13557	(12121217)	411207.04
3723680.34	125.80958	(12121217)		
411227.04	3723680.34	125.80941	(12121217)	411247.04
3723680.34	124.81252	(12121217)		
411267.04	3723680.34	127.16025	(14111717)	411287.04
3723680.34	129.50233	(14111717)		
411307.04	3723680.34	130.68617	(14111717)	411327.04
3723680.34	130.80420	(14111717)		
411347.04	3723680.34	129.81982	(14111717)	411367.04
3723680.34	127.77173	(14111717)		
411387.04	3723680.34	124.62401	(14111717)	411407.04
3723680.34	127.52825	(15121017)		
411427.04	3723680.34	129.43275	(15121017)	411447.04
3723680.34	130.21189	(15121017)		
411467.04	3723680.34	130.06556	(15121017)	411487.04
3723680.34	128.81337	(15121017)		
411507.04	3723680.34	128.65343	(15120717)	411527.04
3723680.34	129.30376	(15120717)		
411547.04	3723680.34	129.01478	(15120717)	411567.04
3723680.34	127.36189	(15120717)		
411587.04	3723680.34	127.32680	(16110817)	411607.04
3723680.34	127.93967	(16110817)		
410907.04	3723700.34	88.75120	(12112917)	410927.04


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3723700.34      93.39749 (12112917)
      410947.04  3723700.34      97.84522 (12112917)      410967.04
3723700.34      102.01128 (12112917)
      410987.04  3723700.34      105.85009 (12112917)      411007.04
3723700.34      109.24685 (12112917)
      411027.04  3723700.34      112.10029 (12112917)      411047.04
3723700.34      114.34303 (12112917)
      411067.04  3723700.34      115.98856 (12112917)      411087.04
3723700.34      116.85110 (12112917)
      411107.04  3723700.34      116.96157 (12112917)      411127.04
3723700.34      116.18711 (12112917)
      411147.04  3723700.34      118.25923 (12121217)      411167.04
3723700.34      120.67751 (12121217)
      411187.04  3723700.34      122.06065 (12121217)      411207.04
3723700.34      122.53561 (12121217)
      411227.04  3723700.34      122.43041 (12121217)      411247.04
3723700.34      121.30669 (12121217)
      411267.04  3723700.34      123.94022 (14111717)      411287.04
3723700.34      126.13390 (14111717)
      411307.04  3723700.34      127.20424 (14111717)      411327.04
3723700.34      127.27359 (14111717)

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***          05/26/20
*** AERMET - VERSION 16216 *** ***
      ***          16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
      INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
      L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
      L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
      L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

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      X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
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411347.04	3723700.34	126.31734	(14111717)	411367.04
3723700.34	124.28285	(14111717)		
411387.04	3723700.34	121.31991	(14111717)	411407.04
3723700.34	123.83622	(15121017)		
411427.04	3723700.34	125.76083	(15121017)	411447.04
3723700.34	126.51992	(15121017)		
411467.04	3723700.34	126.57144	(15121017)	411487.04
3723700.34	125.57576	(15121017)		
411507.04	3723700.34	124.85620	(15120717)	411527.04
3723700.34	125.70011	(15120717)		
411547.04	3723700.34	125.62329	(15120717)	411567.04
3723700.34	124.29241	(15120717)		
411587.04	3723700.34	123.53133	(16110817)	411607.04
3723700.34	124.38490	(16110817)		
410907.04	3723720.34	88.32409	(12112917)	410927.04
3723720.34	92.74498	(12112917)		
410947.04	3723720.34	96.94946	(12112917)	410967.04
3723720.34	100.81776	(12112917)		
410987.04	3723720.34	104.31263	(12112917)	411007.04
3723720.34	107.39748	(12112917)		
411027.04	3723720.34	109.97442	(12112917)	411047.04
3723720.34	111.91030	(12112917)		
411067.04	3723720.34	113.39137	(12112917)	411087.04
3723720.34	114.02165	(12112917)		
411107.04	3723720.34	113.87692	(12112917)	411127.04
3723720.34	112.90794	(12112917)		
411147.04	3723720.34	115.72706	(12121217)	411167.04
3723720.34	117.91995	(12121217)		
411187.04	3723720.34	119.11138	(12121217)	411207.04
3723720.34	119.42708	(12121217)		
411227.04	3723720.34	119.18268	(12121217)	411247.04
3723720.34	117.95242	(12121217)		
411267.04	3723720.34	120.83283	(14111717)	411287.04
3723720.34	122.80813	(14111717)		
411307.04	3723720.34	123.83071	(14111717)	411327.04
3723720.34	123.86824	(14111717)		
411347.04	3723720.34	122.87780	(14111717)	411367.04
3723720.34	120.96928	(14111717)		
411387.04	3723720.34	118.08892	(14111717)	411407.04
3723720.34	120.27683	(15121017)		
411427.04	3723720.34	122.22390	(15121017)	411447.04
3723720.34	123.09572	(15121017)		
411467.04	3723720.34	123.23601	(15121017)	411487.04
3723720.34	122.43860	(15121017)		
411507.04	3723720.34	121.28049	(15120717)	411527.04
3723720.34	122.27320	(15120717)		
411547.04	3723720.34	122.31515	(15120717)	411567.04
3723720.34	121.29304	(15120717)		
411587.04	3723720.34	119.84221	(16110817)	411607.04
3723720.34	120.93141	(16110817)		

410907.04 3723740.34 87.86985 (12112917) 410927.04
 3723740.34 92.05057 (12112917)
 410947.04 3723740.34 96.01356 (12112917) 410967.04
 3723740.34 99.66883 (12112917)
 410987.04 3723740.34 102.88944 (12112917) 411007.04
 3723740.34 105.65241 (12112917)
 411027.04 3723740.34 107.95311 (12112917) 411047.04
 3723740.34 109.60555 (12112917)
 411067.04 3723740.34 110.74879 (12112917) 411087.04
 3723740.34 111.18902 (12112917)
 411107.04 3723740.34 110.85435 (12112917) 411127.04
 3723740.34 110.60655 (12121217)
 411147.04 3723740.34 113.26039 (12121217) 411167.04
 3723740.34 115.24493 (12121217)
 411187.04 3723740.34 116.26508 (12121217) 411207.04
 3723740.34 116.42892 (12121217)
 411227.04 3723740.34 116.08409 (12121217) 411247.04
 3723740.34 115.18607 (14111717)
 411267.04 3723740.34 117.83639 (14111717) 411287.04
 3723740.34 119.65243 (14111717)
 411307.04 3723740.34 120.55793 (14111717) 411327.04
 3723740.34 120.55233 (14111717)
 411347.04 3723740.34 119.64291 (14111717) 411367.04
 3723740.34 117.76580 (14111717)
 411387.04 3723740.34 115.01520 (14111717) 411407.04
 3723740.34 116.84554 (15121017)
 411427.04 3723740.34 118.87751 (15121017) 411447.04
 3723740.34 119.98112 (15121017)
 411467.04 3723740.34 120.17229 (15121017) 411487.04
 3723740.34 119.45347 (15121017)

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411507.04	3723740.34	117.78847	(15121017)	411527.04
3723740.34	118.87190	(15120717)		
411547.04	3723740.34	119.10576	(15120717)	411567.04
3723740.34	118.36824	(15120717)		
411587.04	3723740.34	116.87540	(15120717)	411607.04
3723740.34	117.52483	(16110817)		
410907.04	3723760.34	87.31543	(12112917)	410927.04
3723760.34	91.24961	(12112917)		
410947.04	3723760.34	94.94683	(12112917)	410967.04
3723760.34	98.36718	(12112917)		
410987.04	3723760.34	101.36458	(12112917)	411007.04
3723760.34	103.83696	(12112917)		
411027.04	3723760.34	105.87576	(12112917)	411047.04
3723760.34	107.29296	(12112917)		
411067.04	3723760.34	108.21122	(12112917)	411087.04
3723760.34	108.44052	(12112917)		
411107.04	3723760.34	107.92325	(12112917)	411127.04
3723760.34	108.43174	(12121217)		
411147.04	3723760.34	110.84799	(12121217)	411167.04
3723760.34	112.63676	(12121217)		
411187.04	3723760.34	113.51386	(12121217)	411207.04
3723760.34	113.53684	(12121217)		
411227.04	3723760.34	113.06847	(12121217)	411247.04
3723760.34	112.54500	(14111717)		
411267.04	3723760.34	115.04402	(14111717)	411287.04
3723760.34	116.75050	(14111717)		
411307.04	3723760.34	117.61292	(14111717)	411327.04
3723760.34	117.58841	(14111717)		
411347.04	3723760.34	116.74938	(14111717)	411367.04
3723760.34	114.94734	(14111717)		
411387.04	3723760.34	112.33847	(14111717)	411407.04
3723760.34	113.80694	(15121017)		
411427.04	3723760.34	115.87383	(15121017)	411447.04
3723760.34	117.09329	(15121017)		
411467.04	3723760.34	117.27680	(15121017)	411487.04
3723760.34	116.64463	(15121017)		
411507.04	3723760.34	115.16064	(15121017)	411527.04
3723760.34	115.72489	(15120717)		
411547.04	3723760.34	116.06981	(15120717)	411567.04
3723760.34	115.53073	(15120717)		
411587.04	3723760.34	114.26628	(15120717)	411607.04

3723760.34	114.24111	(16110817)		
410907.04	3723780.34	86.71854	(12112917)	410927.04
3723780.34	90.41705	(12112917)		
410947.04	3723780.34	93.90980	(12112917)	410967.04
3723780.34	97.06916	(12112917)		
410987.04	3723780.34	99.78099	(12112917)	411007.04
3723780.34	102.10409	(12112917)		
411027.04	3723780.34	103.85968	(12112917)	411047.04
3723780.34	105.02049	(12112917)		
411067.04	3723780.34	105.73584	(12112917)	411087.04
3723780.34	105.75543	(12112917)		
411107.04	3723780.34	105.05930	(12112917)	411127.04
3723780.34	106.25024	(12121217)		
411147.04	3723780.34	108.51402	(12121217)	411167.04
3723780.34	110.11478	(12121217)		
411187.04	3723780.34	110.85767	(12121217)	411207.04
3723780.34	110.75050	(12121217)		
411227.04	3723780.34	110.18584	(12121217)	411247.04
3723780.34	109.98312	(14111717)		
411267.04	3723780.34	112.29024	(14111717)	411287.04
3723780.34	113.89170	(14111717)		
411307.04	3723780.34	114.68963	(14111717)	411327.04
3723780.34	114.63095	(14111717)		
411347.04	3723780.34	113.82745	(14111717)	411367.04
3723780.34	112.12447	(14111717)		
411387.04	3723780.34	109.62055	(14111717)	411407.04
3723780.34	110.74961	(15121017)		
411427.04	3723780.34	112.79847	(15121017)	411447.04
3723780.34	114.03464	(15121017)		
411467.04	3723780.34	114.33312	(15121017)	411487.04
3723780.34	113.87113	(15121017)		
411507.04	3723780.34	112.56885	(15121017)	411527.04
3723780.34	112.65608	(15120717)		
411547.04	3723780.34	113.15466	(15120717)	411567.04
3723780.34	112.78129	(15120717)		
411587.04	3723780.34	111.71958	(15120717)	411607.04
3723780.34	111.11935	(16110817)		
410907.04	3723800.34	85.99876	(12112917)	410927.04
3723800.34	89.50643	(12112917)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146

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, L0000147      , L0000148      , L0000149      ,
                  L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
                  L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
                  L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
410947.04	3723800.34	92.79902	(12112917)	410967.04
3723800.34	95.72680	(12112917)		
410987.04	3723800.34	98.18406	(12112917)	411007.04
3723800.34	100.25330	(12112917)		
411027.04	3723800.34	101.81686	(12112917)	411047.04
3723800.34	102.81981	(12112917)		
411067.04	3723800.34	103.25811	(12112917)	411087.04
3723800.34	103.07533	(12112917)		
411107.04	3723800.34	102.24385	(12112917)	411127.04
3723800.34	104.16389	(12121217)		
411147.04	3723800.34	106.23625	(12121217)	411167.04
3723800.34	107.63177	(12121217)		
411187.04	3723800.34	108.27622	(12121217)	411207.04
3723800.34	108.06155	(12121217)		
411227.04	3723800.34	107.39446	(12121217)	411247.04
3723800.34	107.49537	(14111717)		
411267.04	3723800.34	109.64713	(14111717)	411287.04
3723800.34	111.12477	(14111717)		
411307.04	3723800.34	111.83688	(14111717)	411327.04
3723800.34	111.78158	(14111717)		
411347.04	3723800.34	110.99173	(14111717)	411367.04
3723800.34	109.34621	(14111717)		
411387.04	3723800.34	106.95564	(14111717)	411407.04
3723800.34	107.80349	(15121017)		
411427.04	3723800.34	109.81821	(15121017)	411447.04
3723800.34	111.07704	(15121017)		
411467.04	3723800.34	111.46860	(15121017)	411487.04
3723800.34	111.10948	(15121017)		
411507.04	3723800.34	109.96805	(15121017)	411527.04
3723800.34	109.59685	(15120717)		
411547.04	3723800.34	110.21932	(15120717)	411567.04
3723800.34	110.07813	(15120717)		

411587.04	3723800.34	109.23280	(15120717)	411607.04
3723800.34	107.96921	(16110817)		
410907.04	3723820.34	85.27724	(12112917)	410927.04
3723820.34	88.59630	(12112917)		
410947.04	3723820.34	91.61958	(12112917)	410967.04
3723820.34	94.29935	(12112917)		
410987.04	3723820.34	96.58099	(12112917)	411007.04
3723820.34	98.40994	(12112917)		
411027.04	3723820.34	99.74348	(12112917)	411047.04
3723820.34	100.54552	(12112917)		
411067.04	3723820.34	100.77120	(12112917)	411087.04
3723820.34	100.41790	(12112917)		
411107.04	3723820.34	99.79153	(12121217)	411127.04
3723820.34	102.14272	(12121217)		
411147.04	3723820.34	103.94344	(12121217)	411167.04
3723820.34	105.12608	(12121217)		
411187.04	3723820.34	105.64904	(12121217)	411207.04
3723820.34	105.48976	(12121217)		
411227.04	3723820.34	104.63617	(12121217)	411247.04
3723820.34	105.01237	(14111717)		
411267.04	3723820.34	107.07903	(14111717)	411287.04
3723820.34	108.46808	(14111717)		
411307.04	3723820.34	109.12748	(14111717)	411327.04
3723820.34	109.03725	(14111717)		
411347.04	3723820.34	108.19733	(14111717)	411367.04
3723820.34	106.60810	(14111717)		
411387.04	3723820.34	104.29735	(14111717)	411407.04
3723820.34	104.94817	(15121017)		
411427.04	3723820.34	106.93078	(15121017)	411447.04
3723820.34	108.18873	(15121017)		
411467.04	3723820.34	108.70070	(15121017)	411487.04
3723820.34	108.46220	(15121017)		
411507.04	3723820.34	107.47841	(15121017)	411527.04
3723820.34	106.53957	(15120717)		
411547.04	3723820.34	107.35193	(15120717)	411567.04
3723820.34	107.45089	(15120717)		
411587.04	3723820.34	106.81659	(15120717)	411607.04
3723820.34	105.51801	(15120717)		
410907.04	3723840.34	84.55286	(12112917)	410927.04
3723840.34	87.64039	(12112917)		
410947.04	3723840.34	90.44462	(12112917)	410967.04
3723840.34	92.94345	(12112917)		
410987.04	3723840.34	94.99534	(12112917)	411007.04
3723840.34	96.61583	(12112917)		
411027.04	3723840.34	97.73775	(12112917)	411047.04
3723840.34	98.37053	(12112917)		
411067.04	3723840.34	98.43068	(12112917)	411087.04
3723840.34	97.90144	(12112917)		

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
411107.04	3723840.34	97.97737 (12121217)	411127.04
3723840.34	100.22644 (12121217)		
411147.04	3723840.34	101.87161 (12121217)	411167.04
3723840.34	102.88928 (12121217)		
411187.04	3723840.34	103.29370 (12121217)	411207.04
3723840.34	103.03253 (12121217)		
411227.04	3723840.34	102.10288 (12121217)	411247.04
3723840.34	102.77529 (14111717)		
411267.04	3723840.34	104.75015 (14111717)	411287.04
3723840.34	106.03982 (14111717)		
411307.04	3723840.34	106.65707 (14111717)	411327.04
3723840.34	106.54745 (14111717)		
411347.04	3723840.34	105.71754 (14111717)	411367.04
3723840.34	104.18062 (14111717)		
411387.04	3723840.34	101.95136 (14111717)	411407.04
3723840.34	102.32216 (15121017)		
411427.04	3723840.34	104.22380 (15121017)	411447.04
3723840.34	105.53293 (15121017)		
411467.04	3723840.34	106.09959 (15121017)	411487.04
3723840.34	105.94251 (15121017)		
411507.04	3723840.34	105.11342 (15121017)	411527.04
3723840.34	103.75022 (15120717)		
411547.04	3723840.34	104.67837 (15120717)	411567.04

3723840.34	104.89562	(15120717)		
411587.04	3723840.34	104.44413	(15120717)	411607.04
3723840.34	103.38713	(15120717)		
410907.04	3723860.34	83.76688	(12112917)	410927.04
3723860.34	86.65984	(12112917)		
410947.04	3723860.34	89.23182	(12112917)	410967.04
3723860.34	91.53161	(12112917)		
410987.04	3723860.34	93.40591	(12112917)	411007.04
3723860.34	94.81327	(12112917)		
411027.04	3723860.34	95.73662	(12112917)	411047.04
3723860.34	96.17157	(12112917)		
411067.04	3723860.34	96.12309	(12112917)	411087.04
3723860.34	95.51477	(12112917)		
411107.04	3723860.34	96.29990	(12121217)	411127.04
3723860.34	98.37627	(12121217)		
411147.04	3723860.34	99.82618	(12121217)	411167.04
3723860.34	100.72294	(12121217)		
411187.04	3723860.34	101.00149	(12121217)	411207.04
3723860.34	100.64865	(12121217)		
411227.04	3723860.34	99.67494	(12121217)	411247.04
3723860.34	100.61430	(14111717)		
411267.04	3723860.34	102.45680	(14111717)	411287.04
3723860.34	103.66613	(14111717)		
411307.04	3723860.34	104.24919	(14111717)	411327.04
3723860.34	104.10043	(14111717)		
411347.04	3723860.34	103.28498	(14111717)	411367.04
3723860.34	101.80176	(14111717)		
411387.04	3723860.34	99.65129	(14111717)	411407.04
3723860.34	99.77224	(15121017)		
411427.04	3723860.34	101.65767	(15121017)	411447.04
3723860.34	103.01685	(15121017)		
411467.04	3723860.34	103.63592	(15121017)	411487.04
3723860.34	103.50617	(15121017)		
411507.04	3723860.34	102.79956	(15121017)	411527.04
3723860.34	101.55156	(15121017)		
411547.04	3723860.34	102.13498	(15120717)	411567.04
3723860.34	102.42569	(15120717)		
411587.04	3723860.34	102.11460	(15120717)	411607.04
3723860.34	101.26113	(15120717)		
410907.04	3723880.34	82.86279	(12112917)	410927.04
3723880.34	85.59329	(12112917)		
410947.04	3723880.34	87.99641	(12112917)	410967.04
3723880.34	90.03699	(12112917)		
410987.04	3723880.34	91.69989	(12112917)	411007.04
3723880.34	92.94677	(12112917)		
411027.04	3723880.34	93.70180	(12112917)	411047.04
3723880.34	93.98231	(12112917)		
411067.04	3723880.34	93.83569	(12112917)	411087.04
3723880.34	93.15878	(12112917)		
411107.04	3723880.34	94.56188	(12121217)	411127.04

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3723880.34      96.41052 (12121217)
      411147.04  3723880.34      97.74064 (12121217)      411167.04
3723880.34      98.50840 (12121217)
      411187.04  3723880.34      98.67093 (12121217)      411207.04
3723880.34      98.26235 (12121217)
      411227.04  3723880.34      97.23726 (12121217)      411247.04
3723880.34      98.42974 (14111717)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2      ***
      INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
411267.04	3723880.34	100.18056	(14111717)	411287.04
3723880.34	101.31442	(14111717)		
411307.04	3723880.34	101.80401	(14111717)	411327.04
3723880.34	101.64627	(14111717)		
411347.04	3723880.34	100.82930	(14111717)	411367.04
3723880.34	99.38052	(14111717)		
411387.04	3723880.34	97.31785	(14111717)	411407.04
3723880.34	97.16149	(15121017)		
411427.04	3723880.34	99.15800	(15121017)	411447.04
3723880.34	100.57631	(15121017)		
411467.04	3723880.34	101.23917	(15121017)	411487.04
3723880.34	101.20214	(15121017)		
411507.04	3723880.34	100.59425	(15121017)	411527.04
3723880.34	99.41985	(15121017)		

411547.04	3723880.34	99.55607	(15120717)	411567.04
3723880.34	100.01685	(15120717)		
411587.04	3723880.34	99.85485	(15120717)	411607.04
3723880.34	99.19475	(15120717)		
410907.04	3723900.34	82.07503	(12112917)	410927.04
3723900.34	84.69049	(12112917)		
410947.04	3723900.34	86.89631	(12112917)	410967.04
3723900.34	88.70708	(12112917)		
410987.04	3723900.34	90.21643	(12112917)	411007.04
3723900.34	91.34846	(12112917)		
411027.04	3723900.34	91.91256	(12112917)	411047.04
3723900.34	91.93793	(12112917)		
411067.04	3723900.34	91.66193	(12112917)	411087.04
3723900.34	90.86100	(12112917)		
411107.04	3723900.34	92.87315	(12121217)	411127.04
3723900.34	94.63019	(12121217)		
411147.04	3723900.34	95.85563	(12121217)	411167.04
3723900.34	96.50949	(12121217)		
411187.04	3723900.34	96.52698	(12121217)	411207.04
3723900.34	96.08339	(12121217)		
411227.04	3723900.34	95.01011	(12121217)	411247.04
3723900.34	96.43601	(14111717)		
411267.04	3723900.34	98.11834	(14111717)	411287.04
3723900.34	99.19591	(14111717)		
411307.04	3723900.34	99.57362	(14111717)	411327.04
3723900.34	99.41192	(14111717)		
411347.04	3723900.34	98.58174	(14111717)	411367.04
3723900.34	97.22712	(14111717)		
411387.04	3723900.34	95.23897	(14111717)	411407.04
3723900.34	94.77360	(15121017)		
411427.04	3723900.34	96.74814	(15121017)	411447.04
3723900.34	98.17534	(15121017)		
411467.04	3723900.34	98.90580	(15121017)	411487.04
3723900.34	98.93042	(15121017)		
411507.04	3723900.34	98.40412	(15121017)	411527.04
3723900.34	97.34510	(15121017)		
411547.04	3723900.34	97.07661	(15120717)	411567.04
3723900.34	97.68187	(15120717)		
411587.04	3723900.34	97.65388	(15120717)	411607.04
3723900.34	97.10924	(15120717)		
410907.04	3723920.34	81.24041	(12112917)	410927.04
3723920.34	83.66643	(12112917)		
410947.04	3723920.34	85.69074	(12112917)	410967.04
3723920.34	87.32153	(12112917)		
410987.04	3723920.34	88.66574	(12112917)	411007.04
3723920.34	89.60764	(12112917)		
411027.04	3723920.34	90.02545	(12112917)	411047.04
3723920.34	89.92831	(12112917)		
411067.04	3723920.34	89.53165	(12112917)	411087.04
3723920.34	89.21354	(12121217)		

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411107.04 3723920.34 91.20752 (12121217) 411127.04
3723920.34 92.84320 (12121217)
411147.04 3723920.34 93.92631 (12121217) 411167.04
3723920.34 94.46100 (12121217)
411187.04 3723920.34 94.44066 (12121217) 411207.04
3723920.34 93.88224 (12121217)
411227.04 3723920.34 92.78116 (12121217) 411247.04
3723920.34 94.44621 (14111717)
411267.04 3723920.34 96.01532 (14111717) 411287.04
3723920.34 97.00902 (14111717)
411307.04 3723920.34 97.40609 (14111717) 411327.04
3723920.34 97.21391 (14111717)
411347.04 3723920.34 96.44328 (14111717) 411367.04
3723920.34 95.09893 (14111717)
411387.04 3723920.34 93.17790 (14111717) 411407.04
3723920.34 92.49966 (15121017)

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^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
, L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
, L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
, L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

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X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
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411427.04 3723920.34 94.47153 (15121017) 411447.04
3723920.34 95.89386 (15121017)
411467.04 3723920.34 96.65716 (15121017) 411487.04
3723920.34 96.74080 (15121017)
411507.04 3723920.34 96.30709 (15121017) 411527.04

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3723920.34	95.37330	(15121017)		
411547.04	3723920.34	94.69295	(15120717)	411567.04
3723920.34	95.40175	(15120717)		
411587.04	3723920.34	95.50225	(15120717)	411607.04
3723920.34	95.07395	(15120717)		
410907.04	3723940.34	80.35633	(12112917)	410927.04
3723940.34	82.60834	(12112917)		
410947.04	3723940.34	84.46203	(12112917)	410967.04
3723940.34	85.93494	(12112917)		
410987.04	3723940.34	87.11104	(12112917)	411007.04
3723940.34	87.90858	(12112917)		
411027.04	3723940.34	88.16925	(12112917)	411047.04
3723940.34	87.95023	(12112917)		
411067.04	3723940.34	87.44159	(12112917)	411087.04
3723940.34	87.74695	(12121217)		
411107.04	3723940.34	89.57091	(12121217)	411127.04
3723940.34	91.06409	(12121217)		
411147.04	3723940.34	92.05432	(12121217)	411167.04
3723940.34	92.49194	(12121217)		
411187.04	3723940.34	92.42590	(12121217)	411207.04
3723940.34	91.81060	(12121217)		
411227.04	3723940.34	90.65387	(12121217)	411247.04
3723940.34	92.54853	(14111717)		
411267.04	3723940.34	94.00206	(14111717)	411287.04
3723940.34	94.93365	(14111717)		
411307.04	3723940.34	95.33691	(14111717)	411327.04
3723940.34	95.17657	(14111717)		
411347.04	3723940.34	94.41418	(14111717)	411367.04
3723940.34	93.12161	(14111717)		
411387.04	3723940.34	91.25548	(14111717)	411407.04
3723940.34	90.32603	(15121017)		
411427.04	3723940.34	92.25283	(15121017)	411447.04
3723940.34	93.67552	(15121017)		
411467.04	3723940.34	94.48104	(15121017)	411487.04
3723940.34	94.66409	(15121017)		
411507.04	3723940.34	94.35902	(15121017)	411527.04
3723940.34	93.51011	(15121017)		
411547.04	3723940.34	92.38431	(15120717)	411567.04
3723940.34	93.18433	(15120717)		
411587.04	3723940.34	93.40196	(15120717)	411607.04
3723940.34	93.09947	(15120717)		
410907.04	3723960.34	79.45057	(12112917)	410927.04
3723960.34	81.54191	(12112917)		
410947.04	3723960.34	83.23181	(12112917)	410967.04
3723960.34	84.54037	(12112917)		
410987.04	3723960.34	85.55248	(12112917)	411007.04
3723960.34	86.21860	(12112917)		
411027.04	3723960.34	86.35087	(12112917)	411047.04
3723960.34	86.01408	(12112917)		
411067.04	3723960.34	85.40526	(12112917)	411087.04

3723960.34 86.29295 (12121217)
 411107.04 3723960.34 87.97974 (12121217) 411127.04
 3723960.34 89.35360 (12121217)
 411147.04 3723960.34 90.20928 (12121217) 411167.04
 3723960.34 90.55919 (12121217)
 411187.04 3723960.34 90.38890 (12121217) 411207.04
 3723960.34 89.71650 (12121217)
 411227.04 3723960.34 88.76922 (14111717) 411247.04
 3723960.34 90.60382 (14111717)
 411267.04 3723960.34 91.96135 (14111717) 411287.04
 3723960.34 92.89950 (14111717)
 411307.04 3723960.34 93.29768 (14111717) 411327.04
 3723960.34 93.13026 (14111717)
 411347.04 3723960.34 92.38087 (14111717) 411367.04
 3723960.34 91.13311 (14111717)
 411387.04 3723960.34 89.34272 (14111717) 411407.04
 3723960.34 88.21856 (15121017)
 411427.04 3723960.34 90.09363 (15121017) 411447.04
 3723960.34 91.48883 (15121017)
 411467.04 3723960.34 92.35603 (15121017) 411487.04
 3723960.34 92.66102 (15121017)
 411507.04 3723960.34 92.45612 (15121017) 411527.04
 3723960.34 91.73561 (15121017)
 411547.04 3723960.34 90.46656 (15121017) 411567.04
 3723960.34 91.03770 (15120717)

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
411587.04	3723960.34	91.35639	(15120717)	411607.04
3723960.34	91.16749	(15120717)		
412145.57	3727370.39	14.64111	(15121017)	412165.57
3727370.39	14.51257	(15121017)		
412185.57	3727370.39	14.37168	(15121017)	412205.57
3727370.39	14.36985	(15120717)		
412225.57	3727370.39	14.46197	(15120717)	412245.57
3727370.39	14.54156	(15120717)		
412265.57	3727370.39	14.60791	(15120717)	412285.57
3727370.39	14.66182	(15120717)		
412305.57	3727370.39	14.70305	(15120717)	412325.57
3727370.39	14.73151	(15120717)		
412345.57	3727370.39	14.74719	(15120717)	412365.57
3727370.39	14.74994	(15120717)		
412145.57	3727390.39	14.57457	(15121017)	412165.57
3727390.39	14.44890	(15121017)		
412185.57	3727390.39	14.31140	(15121017)	412205.57
3727390.39	14.26395	(15120717)		
412225.57	3727390.39	14.35757	(15120717)	412245.57
3727390.39	14.43894	(15120717)		
412265.57	3727390.39	14.50757	(15120717)	412285.57
3727390.39	14.56372	(15120717)		
412305.57	3727390.39	14.60734	(15120717)	412325.57
3727390.39	14.63842	(15120717)		
412345.57	3727390.39	14.65684	(15120717)	412365.57
3727390.39	14.66214	(15120717)		
412145.57	3727410.39	14.50809	(15121017)	412165.57
3727410.39	14.38513	(15121017)		
412185.57	3727410.39	14.25116	(15121017)	412205.57
3727410.39	14.15861	(15120717)		
412225.57	3727410.39	14.25369	(15120717)	412245.57
3727410.39	14.33673	(15120717)		
412265.57	3727410.39	14.40760	(15120717)	412285.57
3727410.39	14.46603	(15120717)		
412305.57	3727410.39	14.51200	(15120717)	412325.57
3727410.39	14.54552	(15120717)		
412345.57	3727410.39	14.56648	(15120717)	412365.57
3727410.39	14.57452	(15120717)		
412145.57	3727430.39	14.44100	(15121017)	412165.57
3727430.39	14.32086	(15121017)		
412185.57	3727430.39	14.18999	(15121017)	412205.57
3727430.39	14.05326	(15120717)		
412225.57	3727430.39	14.14987	(15120717)	412245.57
3727430.39	14.23470	(15120717)		
412265.57	3727430.39	14.30740	(15120717)	412285.57
3727430.39	14.36791	(15120717)		

412305.57	3727430.39	14.41618	(15120717)	412325.57
3727430.39	14.45219	(15120717)		
412345.57	3727430.39	14.47579	(15120717)	412365.57
3727430.39	14.48690	(15120717)		
412145.57	3727450.39	14.37419	(15121017)	412165.57
3727450.39	14.25714	(15121017)		
412185.57	3727450.39	14.12929	(15121017)	412205.57
3727450.39	13.99066	(15121017)		
412225.57	3727450.39	14.04696	(15120717)	412245.57
3727450.39	14.13329	(15120717)		
412265.57	3727450.39	14.20787	(15120717)	412285.57
3727450.39	14.27053	(15120717)		
412305.57	3727450.39	14.32105	(15120717)	412325.57
3727450.39	14.35939	(15120717)		
412345.57	3727450.39	14.38562	(15120717)	412365.57
3727450.39	14.39958	(15120717)		
412145.57	3727470.39	14.30807	(15121017)	412165.57
3727470.39	14.19396	(15121017)		
412185.57	3727470.39	14.06911	(15121017)	412205.57
3727470.39	13.93330	(15121017)		
412225.57	3727470.39	13.94511	(15120717)	412245.57
3727470.39	14.03309	(15120717)		
412265.57	3727470.39	14.10946	(15120717)	412285.57
3727470.39	14.17416	(15120717)		
412305.57	3727470.39	14.22683	(15120717)	412325.57
3727470.39	14.26735	(15120717)		
412345.57	3727470.39	14.29597	(15120717)	412365.57
3727470.39	14.31254	(15120717)		
412145.57	3727490.39	14.24224	(15121017)	412165.57
3727490.39	14.13097	(15121017)		
412185.57	3727490.39	14.00886	(15121017)	412205.57
3727490.39	13.87603	(15121017)		
412225.57	3727490.39	13.84383	(15120717)	412245.57
3727490.39	13.93346	(15120717)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,

L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
412265.57	3727490.39	14.01157	(15120717)	412285.57
3727490.39	14.07811 (15120717)			
412305.57	3727490.39	14.13291	(15120717)	412325.57
3727490.39	14.17571 (15120717)			
412345.57	3727490.39	14.20671	(15120717)	412365.57
3727490.39	14.22586 (15120717)			
412145.57	3727510.39	14.17631	(15121017)	412165.57
3727510.39	14.06759 (15121017)			
412185.57	3727510.39	13.94828	(15121017)	412205.57
3727510.39	13.81855 (15121017)			
412225.57	3727510.39	13.74291	(15120717)	412245.57
3727510.39	13.83412 (15120717)			
412265.57	3727510.39	13.91400	(15120717)	412285.57
3727510.39	13.98236 (15120717)			
412305.57	3727510.39	14.03916	(15120717)	412325.57
3727510.39	14.08429 (15120717)			
412345.57	3727510.39	14.11743	(15120717)	412365.57
3727510.39	14.13920 (15120717)			
412145.57	3727530.39	14.11138	(15121017)	412165.57
3727530.39	14.00539 (15121017)			
412185.57	3727530.39	13.88877	(15121017)	412205.57
3727530.39	13.76191 (15121017)			
412225.57	3727530.39	13.64343	(15120717)	412245.57
3727530.39	13.73613 (15120717)			
412265.57	3727530.39	13.81767	(15120717)	412285.57
3727530.39	13.88788 (15120717)			
412305.57	3727530.39	13.94667	(15120717)	412325.57
3727530.39	13.99386 (15120717)			
412345.57	3727530.39	14.02901	(15120717)	412365.57
3727530.39	14.05307 (15120717)			
412145.57	3727550.39	14.04645	(15121017)	412165.57
3727550.39	13.94308 (15121017)			
412185.57	3727550.39	13.82930	(15121017)	412205.57
3727550.39	13.70523 (15121017)			
412225.57	3727550.39	13.57132	(15121017)	412245.57
3727550.39	13.63854 (15120717)			
412265.57	3727550.39	13.72164	(15120717)	412285.57

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412185.57	3727630.39	13.59168	(15121017)	412205.57
3727630.39	13.47847	(15121017)		
412225.57	3727630.39	13.35555	(15121017)	412245.57
3727630.39	13.25387	(15120717)		
412265.57	3727630.39	13.34242	(15120717)	412285.57
3727630.39	13.42048	(15120717)		
412305.57	3727630.39	13.48859	(15120717)	412325.57
3727630.39	13.54629	(15120717)		
412345.57	3727630.39	13.59222	(15120717)	412365.57
3727630.39	13.62736	(15120717)		
412145.57	3727650.39	13.72317	(15121017)	412165.57
3727650.39	13.63253	(15121017)		
412185.57	3727650.39	13.53186	(15121017)	412205.57
3727650.39	13.42123	(15121017)		
412225.57	3727650.39	13.30098	(15121017)	412245.57
3727650.39	13.17128	(15121017)		
412265.57	3727650.39	13.24893	(15120717)	412285.57
3727650.39	13.32863	(15120717)		
412305.57	3727650.39	13.39848	(15120717)	412325.57
3727650.39	13.45791	(15120717)		
412345.57	3727650.39	13.50535	(15120717)	412365.57
3727650.39	13.54281	(15120717)		
412145.57	3727670.39	13.65935	(15121017)	412165.57
3727670.39	13.57113	(15121017)		
412185.57	3727670.39	13.47283	(15121017)	412205.57
3727670.39	13.36473	(15121017)		
412225.57	3727670.39	13.24707	(15121017)	412245.57
3727670.39	13.12023	(15121017)		

412265.57	3727670.39	13.15611	(15120717)	412285.57
3727670.39	13.23739	(15120717)		
412305.57	3727670.39	13.30888	(15120717)	412325.57
3727670.39	13.37006	(15120717)		
412345.57	3727670.39	13.41930	(15120717)	412365.57
3727670.39	13.45885	(15120717)		
412145.57	3727690.39	13.59666	(15121017)	412165.57
3727690.39	13.51082	(15121017)		
412185.57	3727690.39	13.41496	(15121017)	412205.57
3727690.39	13.30935	(15121017)		
412225.57	3727690.39	13.19425	(15121017)	412245.57
3727690.39	13.07021	(15121017)		
412265.57	3727690.39	13.06425	(15120717)	412285.57
3727690.39	13.14685	(15120717)		
412305.57	3727690.39	13.21985	(15120717)	412325.57
3727690.39	13.28266	(15120717)		
412345.57	3727690.39	13.33378	(15120717)	412365.57
3727690.39	13.37534	(15120717)		
412145.57	3727710.39	13.53372	(15121017)	412165.57
3727710.39	13.45016	(15121017)		
412185.57	3727710.39	13.35676	(15121017)	412205.57
3727710.39	13.25357	(15121017)		
412225.57	3727710.39	13.14104	(15121017)	412245.57
3727710.39	13.01945	(15121017)		
412265.57	3727710.39	12.97286	(15120717)	412285.57
3727710.39	13.05678	(15120717)		
412305.57	3727710.39	13.13124	(15120717)	412325.57
3727710.39	13.19573	(15120717)		
412345.57	3727710.39	13.24868	(15120717)	412365.57
3727710.39	13.29208	(15120717)		
412145.57	3727730.39	13.46986	(15121017)	412165.57
3727730.39	13.38848	(15121017)		
412185.57	3727730.39	13.29747	(15121017)	412205.57
3727730.39	13.19675	(15121017)		
412225.57	3727730.39	13.08678	(15121017)	412245.57
3727730.39	12.96764	(15121017)		
412265.57	3727730.39	12.88175	(15120717)	412285.57
3727730.39	12.96723	(15120717)		
412305.57	3727730.39	13.04312	(15120717)	412325.57
3727730.39	13.10921	(15120717)		
412345.57	3727730.39	13.16388	(15120717)	412365.57
3727730.39	13.20918	(15120717)		
412145.57	3727750.39	13.40712	(15121017)	412165.57
3727750.39	13.32807	(15121017)		
412185.57	3727750.39	13.23926	(15121017)	412205.57
3727750.39	13.14110	(15121017)		
412225.57	3727750.39	13.03348	(15121017)	412245.57
3727750.39	12.91678	(15121017)		
412265.57	3727750.39	12.79149	(15120717)	412285.57
3727750.39	12.87840	(15120717)		

412305.57 3727750.39 12.95557 (15120717) 412325.57
 3727750.39 13.02317 (15120717)
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 *** 05/26/20
 *** AERMET - VERSION 16216 ***
 *** 16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
412345.57	3727750.39	13.07955 (15120717)	412365.57
3727750.39	13.12666 (15120717)		
412145.57	3727770.39	13.34508 (15121017)	412165.57
3727770.39	13.26838 (15121017)		
412185.57	3727770.39	13.18179 (15121017)	412205.57
3727770.39	13.08594 (15121017)		
412225.57	3727770.39	12.98075 (15121017)	412245.57
3727770.39	12.86660 (15121017)		
412265.57	3727770.39	12.74371 (15121017)	412285.57
3727770.39	12.79028 (15120717)		
412305.57	3727770.39	12.86869 (15120717)	412325.57
3727770.39	12.93765 (15120717)		
412345.57	3727770.39	12.99570 (15120717)	412365.57
3727770.39	13.04451 (15120717)		
412145.57	3727790.39	13.28348 (15121017)	412165.57
3727790.39	13.20896 (15121017)		
412185.57	3727790.39	13.12477 (15121017)	412205.57
3727790.39	13.03116 (15121017)		
412225.57	3727790.39	12.92834 (15121017)	412245.57

3727790.39	12.81662	(15121017)			
412265.57	3727790.39		12.69623	(15121017)	412285.57
3727790.39	12.70283	(15120717)			
412305.57	3727790.39		12.78255	(15120717)	412325.57
3727790.39	12.85254	(15120717)			
412345.57	3727790.39		12.91221	(15120717)	412365.57
3727790.39	12.96280	(15120717)			
412145.57	3727810.39		13.22106	(15121017)	412165.57
3727810.39	13.14862	(15121017)			
412185.57	3727810.39		13.06658	(15121017)	412205.57
3727810.39	12.97533	(15121017)			
412225.57	3727810.39		12.87483	(15121017)	412245.57
3727810.39	12.76560	(15121017)			
412265.57	3727810.39		12.64760	(15121017)	412285.57
3727810.39	12.61504	(15120717)			
412305.57	3727810.39		12.69609	(15120717)	412325.57
3727810.39	12.76750	(15120717)			
412345.57	3727810.39		12.82916	(15120717)	412365.57
3727810.39	12.88155	(15120717)			
412145.57	3727830.39		13.15993	(15121017)	412165.57
3727830.39	13.08964	(15121017)			
412185.57	3727830.39		13.00978	(15121017)	412205.57
3727830.39	12.92076	(15121017)			
412225.57	3727830.39		12.82257	(15121017)	412245.57
3727830.39	12.71557	(15121017)			
412265.57	3727830.39		12.60015	(15121017)	412285.57
3727830.39	12.52869	(15120717)			
412305.57	3727830.39		12.61094	(15120717)	412325.57
3727830.39	12.68381	(15120717)			
412345.57	3727830.39		12.74714	(15120717)	412365.57
3727830.39	12.80107	(15120717)			
412145.57	3727850.39		13.09858	(15121017)	412165.57
3727850.39	13.03036	(15121017)			
412185.57	3727850.39		12.95273	(15121017)	412205.57
3727850.39	12.86595	(15121017)			
412225.57	3727850.39		12.77005	(15121017)	412245.57
3727850.39	12.66531	(15121017)			
412265.57	3727850.39		12.55218	(15121017)	412285.57
3727850.39	12.44252	(15120717)			
412305.57	3727850.39		12.52600	(15120717)	412325.57
3727850.39	12.60021	(15120717)			
412345.57	3727850.39		12.66505	(15120717)	412365.57
3727850.39	12.72044	(15120717)			
412145.57	3727870.39		13.03685	(15121017)	412165.57
3727870.39	12.97023	(15121017)			
412185.57	3727870.39		12.89466	(15121017)	412205.57
3727870.39	12.81083	(15121017)			
412225.57	3727870.39		12.71669	(15121017)	412245.57
3727870.39	12.61379	(15121017)			
412265.57	3727870.39		12.50293	(15121017)	412285.57

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3727870.39      12.38382 (15121017)
      412305.57  3727870.39      12.44032 (15120717)      412325.57
3727870.39      12.51575 (15120717)
      412345.57  3727870.39      12.58207 (15120717)      412365.57
3727870.39      12.63983 (15120717)
      412145.57  3727890.39      12.97563 (15121017)      412165.57
3727890.39      12.91096 (15121017)
      412185.57  3727890.39      12.83755 (15121017)      412205.57
3727890.39      12.75593 (15121017)
      412225.57  3727890.39      12.66427 (15121017)      412245.57
3727890.39      12.56394 (15121017)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```

      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
      INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
      L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
      L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
      L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
412265.57	3727890.39	12.45534 (15121017)	412285.57
3727890.39	12.33862 (15121017)		
412305.57	3727890.39	12.35661 (15120717)	412325.57
3727890.39	12.43339 (15120717)		
412345.57	3727890.39	12.50110 (15120717)	412365.57
3727890.39	12.55990 (15120717)		
412145.57	3727910.39	12.91482 (15121017)	412165.57
3727910.39	12.85214 (15121017)		
412185.57	3727910.39	12.78077 (15121017)	412205.57
3727910.39	12.70130 (15121017)		

412225.57	3727910.39	12.61211	(15121017)	412245.57
3727910.39	12.51415	(15121017)		
412265.57	3727910.39	12.40787	(15121017)	412285.57
3727910.39	12.29347	(15121017)		
412305.57	3727910.39	12.27341	(15120717)	412325.57
3727910.39	12.35137	(15120717)		
412345.57	3727910.39	12.42036	(15120717)	412365.57
3727910.39	12.48037	(15120717)		
412145.57	3727930.39	12.85430	(15121017)	412165.57
3727930.39	12.79358	(15121017)		
412185.57	3727930.39	12.72427	(15121017)	412205.57
3727930.39	12.64686	(15121017)		
412225.57	3727930.39	12.55934	(15121017)	412245.57
3727930.39	12.46330	(15121017)		
412265.57	3727930.39	12.35915	(15121017)	412285.57
3727930.39	12.24705	(15121017)		
412305.57	3727930.39	12.18968	(15120717)	412325.57
3727930.39	12.26889	(15120717)		
412345.57	3727930.39	12.33905	(15120717)	412365.57
3727930.39	12.40121	(15120717)		
412145.57	3727950.39	12.79420	(15121017)	412165.57
3727950.39	12.73548	(15121017)		
412185.57	3727950.39	12.66787	(15121017)	412205.57
3727950.39	12.59257	(15121017)		
412225.57	3727950.39	12.50707	(15121017)	412245.57
3727950.39	12.41286	(15121017)		
412265.57	3727950.39	12.31099	(15121017)	412285.57
3727950.39	12.20122	(15121017)		
412305.57	3727950.39	12.10690	(15120717)	412325.57
3727950.39	12.18724	(15120717)		
412345.57	3727950.39	12.25873	(15120717)	412365.57
3727950.39	12.32248	(15120717)		
412145.57	3727970.39	12.73440	(15121017)	412165.57
3727970.39	12.67745	(15121017)		
412185.57	3727970.39	12.61178	(15121017)	412205.57
3727970.39	12.53847	(15121017)		
412225.57	3727970.39	12.45508	(15121017)	412245.57
3727970.39	12.36318	(15121017)		
412265.57	3727970.39	12.26353	(15121017)	412285.57
3727970.39	12.15594	(15121017)		
412305.57	3727970.39	12.04062	(15121017)	412325.57
3727970.39	12.10648	(15120717)		
412345.57	3727970.39	12.17933	(15120717)	412365.57
3727970.39	12.24419	(15120717)		
412145.57	3727990.39	12.67490	(15121017)	412165.57
3727990.39	12.61972	(15121017)		
412185.57	3727990.39	12.55587	(15121017)	412205.57
3727990.39	12.48458	(15121017)		
412225.57	3727990.39	12.40383	(15121017)	412245.57
3727990.39	12.31443	(15121017)		

412265.57	3727990.39	12.21690	(15121017)	412285.57
3727990.39	12.11141	(15121017)		
412305.57	3727990.39	11.99828	(15121017)	412325.57
3727990.39	12.02669	(15120717)		
412345.57	3727990.39	12.10068	(15120717)	412365.57
3727990.39	12.16633	(15120717)		
412145.57	3728010.39	12.61560	(15121017)	412165.57
3728010.39	12.56232	(15121017)		
412185.57	3728010.39	12.50032	(15121017)	412205.57
3728010.39	12.43096	(15121017)		
412225.57	3728010.39	12.35155	(15121017)	412245.57
3728010.39	12.26391	(15121017)		
412265.57	3728010.39	12.16845	(15121017)	412285.57
3728010.39	12.06511	(15121017)		
412305.57	3728010.39	11.95425	(15121017)	412325.57
3728010.39	11.94615	(15120717)		
412345.57	3728010.39	12.02135	(15120717)	412365.57
3728010.39	12.08877	(15120717)		
412145.57	3728030.39	12.55664	(15121017)	412165.57
3728030.39	12.50509	(15121017)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170
 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412185.57	3728030.39	12.44485	(15121017)	412205.57

3728030.39	12.37751	(15121017)		
412225.57	3728030.39	12.30005	(15121017)	412245.57
3728030.39	12.21425	(15121017)		
412265.57	3728030.39	12.12078	(15121017)	412285.57
3728030.39	12.01975	(15121017)		
412305.57	3728030.39	11.91091	(15121017)	412325.57
3728030.39	11.86647	(15120717)		
412345.57	3728030.39	11.94271	(15120717)	412365.57
3728030.39	12.01166	(15120717)		
412145.57	3728050.39	12.49809	(15121017)	412165.57
3728050.39	12.44833	(15121017)		
412185.57	3728050.39	12.38988	(15121017)	412205.57
3728050.39	12.32424	(15121017)		
412225.57	3728050.39	12.24880	(15121017)	412245.57
3728050.39	12.16535	(15121017)		
412265.57	3728050.39	12.07391	(15121017)	412285.57
3728050.39	11.97489	(15121017)		
412305.57	3728050.39	11.86822	(15121017)	412325.57
3728050.39	11.78776	(15120717)		
412345.57	3728050.39	11.86512	(15120717)	412365.57
3728050.39	11.93500	(15120717)		
412145.57	3728070.39	12.43964	(15121017)	412165.57
3728070.39	12.39165	(15121017)		
412185.57	3728070.39	12.33496	(15121017)	412205.57
3728070.39	12.27122	(15121017)		
412225.57	3728070.39	12.19830	(15121017)	412245.57
3728070.39	12.11689	(15121017)		
412265.57	3728070.39	12.02763	(15121017)	412285.57
3728070.39	11.93057	(15121017)		
412305.57	3728070.39	11.82600	(15121017)	412325.57
3728070.39	11.71414	(15121017)		
412345.57	3728070.39	11.78841	(15120717)	412365.57
3728070.39	11.85884	(15120717)		
412145.57	3728090.39	12.38103	(15121017)	412165.57
3728090.39	12.33499	(15121017)		
412185.57	3728090.39	12.28044	(15121017)	412205.57
3728090.39	12.21841	(15121017)		
412225.57	3728090.39	12.14704	(15121017)	412245.57
3728090.39	12.06737	(15121017)		
412265.57	3728090.39	11.98007	(15121017)	412285.57
3728090.39	11.88508	(15121017)		
412305.57	3728090.39	11.78264	(15121017)	412325.57
3728090.39	11.67287	(15121017)		
412345.57	3728090.39	11.71109	(15120717)	412365.57
3728090.39	11.78292	(15120717)		
412145.57	3728110.39	12.32299	(15121017)	412165.57
3728110.39	12.27854	(15121017)		
412185.57	3728110.39	12.22590	(15121017)	412205.57
3728110.39	12.16573	(15121017)		
412225.57	3728110.39	12.09575	(15121017)	412245.57

3728110.39 12.01774 (15121017)
412265.57 3728110.39 11.93244 (15121017) 412285.57
3728110.39 11.83947 (15121017)
412305.57 3728110.39 11.73914 (15121017) 412325.57
3728110.39 11.63135 (15121017)
412345.57 3728110.39 11.63400 (15120717) 412365.57
3728110.39 11.70737 (15120717)
412145.57 3728130.39 12.26552 (15121017) 412165.57
3728130.39 12.22286 (15121017)
412185.57 3728130.39 12.17170 (15121017) 412205.57
3728130.39 12.11321 (15121017)
412225.57 3728130.39 12.04522 (15121017) 412245.57
3728130.39 11.96921 (15121017)
412265.57 3728130.39 11.88593 (15121017) 412285.57
3728130.39 11.79501 (15121017)
412305.57 3728130.39 11.69654 (15121017) 412325.57
3728130.39 11.59094 (15121017)
412345.57 3728130.39 11.55849 (15120717) 412365.57
3728130.39 11.63245 (15120717)
412145.57 3728150.39 12.20868 (15121017) 412165.57
3728150.39 12.16770 (15121017)
412185.57 3728150.39 12.11810 (15121017) 412205.57
3728150.39 12.06098 (15121017)
412225.57 3728150.39 11.99501 (15121017) 412245.57
3728150.39 11.92111 (15121017)
412265.57 3728150.39 11.83963 (15121017) 412285.57
3728150.39 11.75052 (15121017)
412305.57 3728150.39 11.65410 (15121017) 412325.57
3728150.39 11.55064 (15121017)

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
*** 05/26/20
*** AERMET - VERSION 16216 *** ***
*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
3728150.39	412345.57	3728150.39	11.48318	(15120717)	412365.57
3728170.39	412145.57	3728170.39	12.15181	(15121017)	412165.57
3728170.39	412185.57	3728170.39	12.06480	(15121017)	412205.57
3728170.39	412225.57	3728170.39	11.94475	(15121017)	412245.57
3728170.39	412265.57	3728170.39	11.79321	(15121017)	412285.57
3728170.39	412305.57	3728170.39	11.61156	(15121017)	412325.57
3728170.39	412345.57	3728170.39	11.40809	(15120717)	412365.57
3728190.39	412145.57	3728190.39	12.09424	(15121017)	412165.57
3728190.39	412185.57	3728190.39	12.01087	(15121017)	412205.57
3728190.39	412225.57	3728190.39	11.89380	(15121017)	412245.57
3728190.39	412265.57	3728190.39	11.74586	(15121017)	412285.57
3728190.39	412305.57	3728190.39	11.56798	(15121017)	412325.57
3728190.39	412345.57	3728190.39	11.36191	(15121017)	412365.57
3728210.39	412145.57	3728210.39	12.03798	(15121017)	412165.57
3728210.39	412185.57	3728210.39	11.95745	(15121017)	412205.57
3728210.39	412225.57	3728210.39	11.84376	(15121017)	412245.57
3728210.39	412265.57	3728210.39	11.69944	(15121017)	412285.57
3728210.39	412305.57	3728210.39	11.52540	(15121017)	412325.57
3728210.39	412345.57	3728210.39	11.32319	(15121017)	412365.57
3728230.39	412145.57	3728230.39	11.98216	(15121017)	412165.57
3728230.39	412185.57	3728230.39	11.90426	(15121017)	412205.57
3728230.39	412225.57	3728230.39	11.85299	(15121017)	

412225.57	3728230.39	11.79416	(15121017)	412245.57
3728230.39	11.72760	(15121017)		
412265.57	3728230.39	11.65339	(15121017)	412285.57
3728230.39	11.57184	(15121017)		
412305.57	3728230.39	11.48312	(15121017)	412325.57
3728230.39	11.38735	(15121017)		
412345.57	3728230.39	11.28471	(15121017)	412365.57
3728230.39	11.26357	(15120717)		
412145.57	3728250.39	11.92666	(15121017)	412165.57
3728250.39	11.89315	(15121017)		
412185.57	3728250.39	11.85158	(15121017)	412205.57
3728250.39	11.80232	(15121017)		
412225.57	3728250.39	11.74506	(15121017)	412245.57
3728250.39	11.68013	(15121017)		
412265.57	3728250.39	11.60776	(15121017)	412285.57
3728250.39	11.52798	(15121017)		
412305.57	3728250.39	11.44107	(15121017)	412325.57
3728250.39	11.34718	(15121017)		
412345.57	3728250.39	11.24650	(15121017)	412365.57
3728250.39	11.19108	(15120717)		
412145.57	3728270.39	11.87070	(15121017)	412165.57
3728270.39	11.83842	(15121017)		
412185.57	3728270.39	11.79791	(15121017)	412205.57
3728270.39	11.75086	(15121017)		
412225.57	3728270.39	11.69494	(15121017)	412245.57
3728270.39	11.63129	(15121017)		
412265.57	3728270.39	11.56059	(15121017)	412285.57
3728270.39	11.48252	(15121017)		
412305.57	3728270.39	11.39755	(15121017)	412325.57
3728270.39	11.30553	(15121017)		
412345.57	3728270.39	11.20676	(15121017)	412365.57
3728270.39	11.11887	(15120717)		
412145.57	3728290.39	11.81505	(15121017)	412165.57
3728290.39	11.78426	(15121017)		
412185.57	3728290.39	11.74531	(15121017)	412205.57
3728290.39	11.69985	(15121017)		
412225.57	3728290.39	11.64532	(15121017)	412245.57
3728290.39	11.58326	(15121017)		

^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,

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, L0000155      , L0000156      , L0000157      ,
, L0000163      , L0000164      , L0000165      ,
, L0000171      , L0000172      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412265.57	3728290.39	11.51436	(15121017)	412285.57
3728290.39	11.43808	(15121017)		
412305.57	3728290.39	11.35477	(15121017)	412325.57
3728290.39	11.26450	(15121017)		
412345.57	3728290.39	11.16774	(15121017)	412365.57
3728290.39	11.06524	(15121017)		
412145.57	3728310.39	11.75971	(15121017)	412165.57
3728310.39	11.73032	(15121017)		
412185.57	3728310.39	11.69291	(15121017)	412205.57
3728310.39	11.64900	(15121017)		
412225.57	3728310.39	11.59604	(15121017)	412245.57
3728310.39	11.53586	(15121017)		
412265.57	3728310.39	11.46869	(15121017)	412285.57
3728310.39	11.39417	(15121017)		
412305.57	3728310.39	11.31260	(15121017)	412325.57
3728310.39	11.22411	(15121017)		
412345.57	3728310.39	11.12923	(15121017)	412365.57
3728310.39	11.02829	(15121017)		
412145.57	3728330.39	11.70467	(15121017)	412165.57
3728330.39	11.67667	(15121017)		
412185.57	3728330.39	11.64087	(15121017)	412205.57
3728330.39	11.59830	(15121017)		
412225.57	3728330.39	11.54748	(15121017)	412245.57
3728330.39	11.48911	(15121017)		
412265.57	3728330.39	11.42354	(15121017)	412285.57
3728330.39	11.35075	(15121017)		
412305.57	3728330.39	11.27097	(15121017)	412325.57
3728330.39	11.18439	(15121017)		
412345.57	3728330.39	11.09113	(15121017)	412365.57
3728330.39	10.99139	(15121017)		
412145.57	3728350.39	11.64993	(15121017)	412165.57
3728350.39	11.62326	(15121017)		
412185.57	3728350.39	11.58887	(15121017)	412205.57

3728350.39	11.54780	(15121017)		
412225.57	3728350.39		11.49824	(15121017)
3728350.39	11.44130	(15121017)		412245.57
412265.57	3728350.39		11.37740	(15121017)
3728350.39	11.30623	(15121017)		412285.57
412305.57	3728350.39		11.22816	(15121017)
3728350.39	11.14346	(15121017)		412325.57
412345.57	3728350.39		11.05207	(15121017)
3728350.39	10.95441	(15121017)		412365.57
412145.57	3728370.39		11.59543	(15121017)
3728370.39	11.57007	(15121017)		412165.57
412185.57	3728370.39		11.53691	(15121017)
3728370.39	11.49749	(15121017)		412205.57
412225.57	3728370.39		11.44917	(15121017)
3728370.39	11.39377	(15121017)		412245.57
412265.57	3728370.39		11.33133	(15121017)
3728370.39	11.26178	(15121017)		412285.57
412305.57	3728370.39		11.18548	(15121017)
3728370.39	11.10240	(15121017)		412325.57
412345.57	3728370.39		11.01276	(15121017)
3728370.39	10.91741	(15121017)		412365.57
412145.57	3728390.39		11.54108	(15121017)
3728390.39	11.51711	(15121017)		412165.57
412185.57	3728390.39		11.48536	(15121017)
3728390.39	11.44741	(15121017)		412205.57
412225.57	3728390.39		11.40035	(15121017)
3728390.39	11.34625	(15121017)		412245.57
412265.57	3728390.39		11.28566	(15121017)
3728390.39	11.21785	(15121017)		412285.57
412305.57	3728390.39		11.14319	(15121017)
3728390.39	11.06182	(15121017)		412325.57
412345.57	3728390.39		10.97393	(15121017)
3728390.39	10.88047	(15121017)		412365.57
412145.57	3728410.39		11.48712	(15121017)
3728410.39	11.46439	(15121017)		412165.57
412185.57	3728410.39		11.43418	(15121017)
3728410.39	11.39754	(15121017)		412205.57
412225.57	3728410.39		11.35240	(15121017)
3728410.39	11.30024	(15121017)		412245.57
412265.57	3728410.39		11.24102	(15121017)
3728410.39	11.17485	(15121017)		412285.57
412305.57	3728410.39		11.10183	(15121017)
3728410.39	11.02210	(15121017)		412325.57
412345.57	3728410.39		10.93602	(15121017)
3728410.39	10.84368	(15121017)		412365.57
412145.57	3728430.39		11.43345	(15121017)
3728430.39	11.41195	(15121017)		412165.57

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20

*** AERMET - VERSION 16216 *** ***

*** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412185.57	3728430.39	11.38309	(15121017)	412205.57
3728430.39	11.34784	(15121017)		
412225.57	3728430.39	11.30431	(15121017)	412245.57
3728430.39	11.25363	(15121017)		
412265.57	3728430.39	11.19597	(15121017)	412285.57
3728430.39	11.13139	(15121017)		
412305.57	3728430.39	11.06000	(15121017)	412325.57
3728430.39	10.98195	(15121017)		
412345.57	3728430.39	10.89748	(15121017)	412365.57
3728430.39	10.80682	(15121017)		
412145.57	3728450.39	11.38001	(15121017)	412165.57
3728450.39	11.35981	(15121017)		
412185.57	3728450.39	11.33221	(15121017)	412205.57
3728450.39	11.29835	(15121017)		
412225.57	3728450.39	11.25572	(15121017)	412245.57
3728450.39	11.20634	(15121017)		
412265.57	3728450.39	11.15017	(15121017)	412285.57
3728450.39	11.08724	(15121017)		
412305.57	3728450.39	11.01736	(15121017)	412325.57
3728450.39	10.94116	(15121017)		
412345.57	3728450.39	10.85830	(15121017)	412365.57
3728450.39	10.76984	(15121017)		
412145.57	3728470.39	11.32684	(15121017)	412165.57
3728470.39	11.30793	(15121017)		

412185.57	3728470.39	11.28158	(15121017)	412205.57
3728470.39	11.24912	(15121017)		
412225.57	3728470.39	11.20777	(15121017)	412245.57
3728470.39	11.15987	(15121017)		
412265.57	3728470.39	11.10505	(15121017)	412285.57
3728470.39	11.04365	(15121017)		
412305.57	3728470.39	10.97557	(15121017)	412325.57
3728470.39	10.90080	(15121017)		
412345.57	3728470.39	10.81962	(15121017)	412365.57
3728470.39	10.73298	(15121017)		
412145.57	3728490.39	11.27377	(15121017)	412165.57
3728490.39	11.25621	(15121017)		
412185.57	3728490.39	11.23112	(15121017)	412205.57
3728490.39	11.20005	(15121017)		
412225.57	3728490.39	11.16024	(15121017)	412245.57
3728490.39	11.11377	(15121017)		
412265.57	3728490.39	11.06058	(15121017)	412285.57
3728490.39	11.00063	(15121017)		
412305.57	3728490.39	10.93409	(15121017)	412325.57
3728490.39	10.86091	(15121017)		
412345.57	3728490.39	10.78152	(15121017)	412365.57
3728490.39	10.69618	(15121017)		
412145.57	3728510.39	11.22103	(15121017)	412165.57
3728510.39	11.20466	(15121017)		
412185.57	3728510.39	11.18099	(15121017)	412205.57
3728510.39	11.15117	(15121017)		
412225.57	3728510.39	11.11338	(15121017)	412245.57
3728510.39	11.06847	(15121017)		
412265.57	3728510.39	11.01672	(15121017)	412285.57
3728510.39	10.95827	(15121017)		
412305.57	3728510.39	10.89316	(15121017)	412325.57
3728510.39	10.82153	(15121017)		
412345.57	3728510.39	10.74360	(15121017)	412365.57
3728510.39	10.65945	(15121017)		
412145.57	3728530.39	11.16867	(15121017)	412165.57
3728530.39	11.15340	(15121017)		
412185.57	3728530.39	11.13112	(15121017)	412205.57
3728530.39	11.10251	(15121017)		
412225.57	3728530.39	11.06536	(15121017)	412245.57
3728530.39	11.02165	(15121017)		
412265.57	3728530.39	10.97140	(15121017)	412285.57
3728530.39	10.91450	(15121017)		
412305.57	3728530.39	10.85089	(15121017)	412325.57
3728530.39	10.78089	(15121017)		
412345.57	3728530.39	10.70461	(15121017)	412365.57
3728530.39	10.62266	(15121017)		
412145.57	3728550.39	11.11700	(15121017)	412165.57
3728550.39	11.10276	(15121017)		
412185.57	3728550.39	11.08142	(15121017)	412205.57
3728550.39	11.05405	(15121017)		

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412225.57 3728550.39 11.01818 (15121017) 412245.57
3728550.39 10.97571 (15121017)
412265.57 3728550.39 10.92682 (15121017) 412285.57
3728550.39 10.87133 (15121017)
412305.57 3728550.39 10.80924 (15121017) 412325.57
3728550.39 10.74079 (15121017)
^ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
, L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
, L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
, L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
412345.57	3728550.39	10.66593	(15121017)	412365.57
3728550.39	10.58593 (15121017)			
412145.57	3728570.39	11.06555	(15121017)	412165.57
3728570.39	11.05230 (15121017)			
412185.57	3728570.39	11.03189	(15121017)	412205.57
3728570.39	11.00583 (15121017)			
412225.57	3728570.39	10.97121	(15121017)	412245.57
3728570.39	10.93001 (15121017)			
412265.57	3728570.39	10.88255	(15121017)	412285.57
3728570.39	10.82839 (15121017)			
412305.57	3728570.39	10.76784	(15121017)	412325.57
3728570.39	10.70096 (15121017)			
412345.57	3728570.39	10.62778	(15121017)	412365.57
3728570.39	10.54926 (15121017)			
412145.57	3728590.39	11.01421	(15121017)	412165.57

3728590.39	11.00205	(15121017)			
412185.57	3728590.39	10.98260	(15121017)	412205.57	
3728590.39	10.95783	(15121017)			
412225.57	3728590.39	10.92508	(15121017)	412245.57	
3728590.39	10.88554	(15121017)			
412265.57	3728590.39	10.83941	(15121017)	412285.57	
3728590.39	10.78671	(15121017)			
412305.57	3728590.39	10.72756	(15121017)	412325.57	
3728590.39	10.66208	(15121017)			
412345.57	3728590.39	10.59046	(15121017)	412365.57	
3728590.39	10.51268	(15121017)			
412145.57	3728610.39	10.96316	(15121017)	412165.57	
3728610.39	10.95200	(15121017)			
412185.57	3728610.39	10.93372	(15121017)	412205.57	
3728610.39	10.90997	(15121017)			
412225.57	3728610.39	10.87800	(15121017)	412245.57	
3728610.39	10.83973	(15121017)			
412265.57	3728610.39	10.79499	(15121017)	412285.57	
3728610.39	10.74362	(15121017)			
412305.57	3728610.39	10.68578	(15121017)	412325.57	
3728610.39	10.62191	(15121017)			
412345.57	3728610.39	10.55190	(15121017)	412365.57	
3728610.39	10.47606	(15121017)			
412145.57	3728630.39	10.91252	(15121017)	412165.57	
3728630.39	10.90231	(15121017)			
412185.57	3728630.39	10.88530	(15121017)	412205.57	
3728630.39	10.86243	(15121017)			
412225.57	3728630.39	10.83155	(15121017)	412245.57	
3728630.39	10.79452	(15121017)			
412265.57	3728630.39	10.75109	(15121017)	412285.57	
3728630.39	10.70111	(15121017)			
412305.57	3728630.39	10.64468	(15121017)	412325.57	
3728630.39	10.58213	(15121017)			
412345.57	3728630.39	10.51356	(15121017)	412365.57	
3728630.39	10.43953	(15121017)			
412145.57	3728650.39	10.86208	(15121017)	412165.57	
3728650.39	10.85313	(15121017)			
412185.57	3728650.39	10.83742	(15121017)	412205.57	
3728650.39	10.81506	(15121017)			
412225.57	3728650.39	10.78597	(15121017)	412245.57	
3728650.39	10.75030	(15121017)			
412265.57	3728650.39	10.70814	(15121017)	412285.57	
3728650.39	10.65952	(15121017)			
412305.57	3728650.39	10.60460	(15121017)	412325.57	
3728650.39	10.54346	(15121017)			
412345.57	3728650.39	10.47623	(15121017)	412365.57	
3728650.39	10.40305	(15121017)			
412145.57	3728670.39	10.81131	(15121017)	412165.57	
3728670.39	10.80337	(15121017)			
412185.57	3728670.39	10.78875	(15121017)	412205.57	

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3728670.39      10.76746 (15121017)
      412225.57  3728670.39      10.73957 (15121017)      412245.57
3728670.39      10.70513 (15121017)
      412265.57  3728670.39      10.66431 (15121017)      412285.57
3728670.39      10.61703 (15121017)
      412305.57  3728670.39      10.56342 (15121017)      412325.57
3728670.39      10.50374 (15121017)
      412345.57  3728670.39      10.43786 (15121017)      412365.57
3728670.39      10.36661 (15121017)
      412145.57  3728690.39      10.76155 (15121017)      412165.57
3728690.39      10.75455 (15121017)
      412185.57  3728690.39      10.74105 (15121017)      412205.57
3728690.39      10.72087 (15121017)
      412225.57  3728690.39      10.69419 (15121017)      412245.57
3728690.39      10.66104 (15121017)

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^ *** AERMOD - VERSION 19191 ***      *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
      ***      05/26/20
*** AERMET - VERSION 16216 ***      ***
      ***      16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2      ***
      INCLUDING SOURCE(S):      L0000145      , L0000146
, L0000147      , L0000148      , L0000149      ,
      L0000150      , L0000151      , L0000152      , L0000153      , L0000154
, L0000155      , L0000156      , L0000157      ,
      L0000158      , L0000159      , L0000160      , L0000161      , L0000162
, L0000163      , L0000164      , L0000165      ,
      L0000166      , L0000167      , L0000168      , L0000169      , L0000170
, L0000171      , L0000172      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412265.57	3728690.39	10.62142	(15121017)	412285.57
3728690.39	10.57548	(15121017)		
412305.57	3728690.39	10.52322	(15121017)	412325.57
3728690.39	10.46502	(15121017)		
412345.57	3728690.39	10.40067	(15121017)	412365.57
3728690.39	10.33024	(15121017)		

412145.57	3728710.39	10.71183	(15121017)	412165.57
3728710.39	10.70624	(15121017)		
412185.57	3728710.39	10.69328	(15121017)	412205.57
3728710.39	10.67421	(15121017)		
412225.57	3728710.39	10.64867	(15121017)	412245.57
3728710.39	10.61671	(15121017)		
412265.57	3728710.39	10.57827	(15121017)	412285.57
3728710.39	10.53358	(15121017)		
412305.57	3728710.39	10.48269	(15121017)	412325.57
3728710.39	10.42586	(15121017)		
412345.57	3728710.39	10.36295	(15121017)	412365.57
3728710.39	10.29390	(15121017)		
412145.57	3728730.39	10.66166	(15121017)	412165.57
3728730.39	10.65749	(15121017)		
412185.57	3728730.39	10.64520	(15121017)	412205.57
3728730.39	10.62712	(15121017)		
412225.57	3728730.39	10.60270	(15121017)	412245.57
3728730.39	10.57187	(15121017)		
412265.57	3728730.39	10.53473	(15121017)	412285.57
3728730.39	10.49134	(15121017)		
412305.57	3728730.39	10.44179	(15121017)	412325.57
3728730.39	10.38614	(15121017)		
412345.57	3728730.39	10.32467	(15121017)	412365.57
3728730.39	10.25758	(15121017)		
412145.57	3728750.39	10.61202	(15121017)	412165.57
3728750.39	10.60906	(15121017)		
412185.57	3728750.39	10.59769	(15121017)	412205.57
3728750.39	10.58066	(15121017)		
412225.57	3728750.39	10.55731	(15121017)	412245.57
3728750.39	10.52766	(15121017)		
412265.57	3728750.39	10.49170	(15121017)	412285.57
3728750.39	10.44958	(15121017)		
412305.57	3728750.39	10.40136	(15121017)	412325.57
3728750.39	10.34706	(15121017)		
412345.57	3728750.39	10.28692	(15121017)	412365.57
3728750.39	10.22134	(15121017)		
412145.57	3728770.39	10.56335	(15121017)	412165.57
3728770.39	10.56095	(15121017)		
412185.57	3728770.39	10.55117	(15121017)	412205.57
3728770.39	10.53526	(15121017)		
412225.57	3728770.39	10.51300	(15121017)	412245.57
3728770.39	10.48444	(15121017)		
412265.57	3728770.39	10.44970	(15121017)	412285.57
3728770.39	10.40883	(15121017)		
412305.57	3728770.39	10.36182	(15121017)	412325.57
3728770.39	10.30892	(15121017)		
412345.57	3728770.39	10.25010	(15121017)	412365.57
3728770.39	10.18523	(15121017)		
412145.57	3728790.39	10.51470	(15121017)	412165.57
3728790.39	10.51298	(15121017)		

Y-COORD (M)	CONC	(YYMMDDHH)		
412185.57	3728830.39	10.41024	(15121017)	412205.57
3728830.39	10.39730	(15121017)		
412225.57	3728830.39	10.37813	(15121017)	412245.57
3728830.39	10.35300	(15121017)		
412265.57	3728830.39	10.32186	(15121017)	412285.57
3728830.39	10.28442	(15121017)		
412305.57	3728830.39	10.24109	(15121017)	412325.57
3728830.39	10.19208	(15121017)		
412345.57	3728830.39	10.13729	(15121017)	412365.57
3728830.39	10.07710	(15121017)		
412145.57	3728850.39	10.36956	(15121017)	412165.57
3728850.39	10.37068	(15121017)		
412185.57	3728850.39	10.36482	(15121017)	412205.57
3728850.39	10.35293	(15121017)		
412225.57	3728850.39	10.33488	(15121017)	412245.57
3728850.39	10.31073	(15121017)		
412265.57	3728850.39	10.28056	(15121017)	412285.57
3728850.39	10.24435	(15121017)		
412305.57	3728850.39	10.20225	(15121017)	412325.57
3728850.39	10.15440	(15121017)		
412345.57	3728850.39	10.10077	(15121017)	412365.57
3728850.39	10.04122	(15121017)		
412145.57	3728870.39	10.32174	(15121017)	412165.57
3728870.39	10.32362	(15121017)		
412185.57	3728870.39	10.31791	(15121017)	412205.57
3728870.39	10.30699	(15121017)		
412225.57	3728870.39	10.28991	(15121017)	412245.57
3728870.39	10.26691	(15121017)		
412265.57	3728870.39	10.23778	(15121017)	412285.57
3728870.39	10.20284	(15121017)		
412305.57	3728870.39	10.16197	(15121017)	412325.57
3728870.39	10.11540	(15121017)		
412345.57	3728870.39	10.06311	(15121017)	412365.57
3728870.39	10.00536	(15121017)		
412145.57	3728890.39	10.27434	(15121017)	412165.57
3728890.39	10.27694	(15121017)		
412185.57	3728890.39	10.27178	(15121017)	412205.57
3728890.39	10.26179	(15121017)		
412225.57	3728890.39	10.24579	(15121017)	412245.57
3728890.39	10.22379	(15121017)		
412265.57	3728890.39	10.33438	(15121017)	412285.57
3728890.39	10.30025	(15121017)		
412305.57	3728890.39	10.21446	(15121017)	412325.57
3728890.39	10.21180	(15121017)		
412345.57	3728890.39	10.15919	(15121017)	412365.57
3728890.39	9.96961	(15121017)		
412145.57	3728910.39	10.22701	(15121017)	412165.57

3728910.39	10.23045	(15121017)			
	412185.57	3728910.39	10.22647	(15121017)	412205.57
3728910.39	10.21736	(15121017)			
	412225.57	3728910.39	10.20214	(15121017)	412245.57
3728910.39	10.18119	(15121017)			
	412265.57	3728910.39	10.15429	(15121017)	412285.57
3728910.39	10.21416	(15121017)			
	412305.57	3728910.39	10.17491	(15121017)	412325.57
3728910.39	10.03889	(15121017)			
	412345.57	3728910.39	9.98908	(15121017)	412365.57
3728910.39	9.93397	(15121017)			
	412145.57	3728930.39	10.17981	(15121017)	412165.57
3728930.39	10.18431	(15121017)			
	412185.57	3728930.39	10.18193	(15121017)	412205.57
3728930.39	10.17374	(15121017)			
	412225.57	3728930.39	10.15963	(15121017)	412245.57
3728930.39	10.13958	(15121017)			
	412265.57	3728930.39	10.11371	(15121017)	412285.57
3728930.39	10.08202	(15121017)			
	412305.57	3728930.39	10.04462	(15121017)	412325.57
3728930.39	10.00152	(15121017)			
	412345.57	3728930.39	9.95281	(15121017)	412365.57
3728930.39	9.89835	(15121017)			
	412145.57	3728950.39	10.13303	(15121017)	412165.57
3728950.39	10.13819	(15121017)			
	412185.57	3728950.39	10.13610	(15121017)	412205.57
3728950.39	10.12878	(15121017)			
	412225.57	3728950.39	10.11552	(15121017)	412245.57
3728950.39	10.09646	(15121017)			
	412265.57	3728950.39	10.07167	(15121017)	412285.57
3728950.39	10.08636	(15121017)			
	412305.57	3728950.39	10.04957	(15121017)	412325.57
3728950.39	10.05340	(15121017)			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000145 , L0000146
 , L0000147 , L0000148 , L0000149 ,
 L0000150 , L0000151 , L0000152 , L0000153 , L0000154
 , L0000155 , L0000156 , L0000157 ,
 L0000158 , L0000159 , L0000160 , L0000161 , L0000162
 , L0000163 , L0000164 , L0000165 ,
 L0000166 , L0000167 , L0000168 , L0000169 , L0000170

, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
412345.57	3728950.39	10.04742	(15121017)	412365.57
3728950.39	9.86282	(15121017)		
412145.57	3728970.39	10.08614	(15121017)	412165.57
3728970.39	10.09239	(15121017)		
412185.57	3728970.39	10.09100	(15121017)	412205.57
3728970.39	10.17772	(15121017)		
412225.57	3728970.39	10.16529	(15121017)	412245.57
3728970.39	10.19292	(15121017)		
412265.57	3728970.39	10.16750	(15121017)	412285.57
3728970.39	10.13853	(15121017)		
412305.57	3728970.39	10.10232	(15121017)	412325.57
3728970.39	10.06033	(15121017)		
412345.57	3728970.39	10.14594	(15121017)	412365.57
3728970.39	9.82736	(15121017)		
412145.57	3728990.39	10.03987	(15121017)	412165.57
3728990.39	10.04688	(15121017)		
412185.57	3728990.39	10.04674	(15121017)	412205.57
3728990.39	10.04102	(15121017)		
412225.57	3728990.39	10.02976	(15121017)	412245.57
3728990.39	10.01259	(15121017)		
412265.57	3728990.39	9.98992	(15121017)	412285.57
3728990.39	9.96143	(15121017)		
412305.57	3728990.39	9.92721	(15121017)	412325.57
3728990.39	9.93156	(15121017)		
412345.57	3728990.39	9.97419	(15121017)	412365.57
3728990.39	9.83469	(15121017)		
412145.57	3729010.39	9.99381	(15121017)	412165.57
3729010.39	10.00131	(15121017)		
412185.57	3729010.39	10.00253	(15121017)	412205.57
3729010.39	9.99780	(15121017)		
412225.57	3729010.39	9.98736	(15121017)	412245.57
3729010.39	9.97118	(15121017)		
412265.57	3729010.39	9.94937	(15121017)	412285.57
3729010.39	9.92191	(15121017)		
412305.57	3729010.39	9.88881	(15121017)	412325.57
3729010.39	9.85029	(15121017)		
412345.57	3729010.39	9.80616	(15121017)	412365.57
3729010.39	9.84462	(15121017)		

12.00,	9TH HIGHEST VALUE IS	4.78913 AT (	413194.78,	3728204.09,	5.67,
	0.00) DC				
7.10,	10TH HIGHEST VALUE IS	4.75194 AT (	413174.78,	3728164.09,	6.24,
	0.00) DC				
SRCGP2	1ST HIGHEST VALUE IS	19.21231 AT (	411327.04,	3723000.34,	3.26,
3.26,	0.00) DC				
2.73,	2ND HIGHEST VALUE IS	7.27107 AT (	411218.80,	3722915.26,	2.73,
	0.00) DC				
2.50,	3RD HIGHEST VALUE IS	6.48629 AT (	411218.80,	3722935.26,	2.50,
	0.00) DC				
2.54,	4TH HIGHEST VALUE IS	6.40296 AT (	411198.80,	3722895.26,	2.54,
	0.00) DC				
2.49,	5TH HIGHEST VALUE IS	5.80165 AT (	411198.80,	3722915.26,	2.49,
	0.00) DC				
2.38,	6TH HIGHEST VALUE IS	5.76319 AT (	411218.80,	3722955.26,	2.38,
	0.00) DC				
2.49,	7TH HIGHEST VALUE IS	5.66933 AT (	411178.80,	3722875.26,	2.49,
	0.00) DC				
4.86,	8TH HIGHEST VALUE IS	5.49515 AT (	411481.61,	3723222.27,	4.86,
	0.00) DC				
2.33,	9TH HIGHEST VALUE IS	5.23767 AT (	411198.80,	3722935.26,	2.33,
	0.00) DC				
2.44,	10TH HIGHEST VALUE IS	5.19864 AT (411178.80,	3722895.26,	2.44,
	0.00) DC				

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE GRID-ID	(YYMMDDHH)	

SRCGP1 HIGH 1ST HIGH VALUE IS 377.65885 ON 16112917: AT (412826.33,
3727832.22, 10.58, 11.91, 0.00) DC

SRCGP2 HIGH 1ST HIGH VALUE IS 590.47923 ON 14111717: AT (411327.04,
3723000.34, 3.26, 3.26, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1864 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1500 Calm Hours Identified

A Total of 364 Missing Hours Identified (0.83 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 3418 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 3418 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 233 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 233 Source(s); 2 Source Group(s); and 5329
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 233 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and
Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 17.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.6 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: OCSD.ERR

**File for Summary of Results: OCSD.SUM

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

Surface station no.: 93184
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-4.5	0.082	-9.000	-9.000	-999.	56.	11.0	0.12	2.65	
1.00	0.87	62.		5.8	283.8	2.0								
12	01	01	1	02	-3.5	0.073	-9.000	-9.000	-999.	47.	9.9	0.12	2.65	
1.00	0.77	27.		5.8	283.1	2.0								
12	01	01	1	03	-3.5	0.073	-9.000	-9.000	-999.	47.	9.9	0.12	2.65	
1.00	0.77	336.		5.8	283.1	2.0								
12	01	01	1	04	-3.3	0.070	-9.000	-9.000	-999.	45.	9.7	0.12	2.65	
1.00	0.74	34.		5.8	283.1	2.0								
12	01	01	1	05	-3.0	0.068	-9.000	-9.000	-999.	42.	9.4	0.12	2.65	
1.00	0.70	154.		5.8	282.5	2.0								
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.12	2.65	
1.00	0.00	0.		5.8	282.0	2.0								
12	01	01	1	07	-2.0	0.059	-9.000	-9.000	-999.	34.	9.0	0.12	2.65	
1.00	0.55	343.		5.8	281.4	2.0								
12	01	01	1	08	-2.6	0.066	-9.000	-9.000	-999.	40.	9.7	0.12	2.65	
0.53	0.69	25.		5.8	281.4	2.0								
12	01	01	1	09	21.6	0.133	0.252	0.010	27.	116.	-9.9	0.12	2.65	
0.31	1.03	344.		5.8	282.5	2.0								
12	01	01	1	10	115.6	0.162	0.713	0.008	114.	156.	-3.3	0.12	2.65	
0.24	1.06	233.		5.8	286.4	2.0								
12	01	01	1	11	160.9	0.126	1.129	0.005	325.	108.	-1.1	0.12	2.65	
0.21	0.67	261.		5.8	291.4	2.0								
12	01	01	1	12	187.0	0.138	1.467	0.005	614.	123.	-1.3	0.12	2.65	
0.20	0.75	252.		5.8	294.9	2.0								
12	01	01	1	13	186.9	0.189	1.755	0.005	1051.	197.	-3.3	0.12	2.65	
0.20	1.23	280.		5.8	297.5	2.0								
12	01	01	1	14	168.3	0.247	1.857	0.005	1383.	295.	-8.1	0.12	2.65	
0.21	1.86	268.		5.8	299.2	2.0								
12	01	01	1	15	115.3	0.275	1.688	0.005	1517.	346.	-16.3	0.12	2.65	
0.24	2.25	248.		5.8	298.1	2.0								
12	01	01	1	16	41.5	0.262	1.211	0.005	1552.	322.	-39.2	0.12	2.65	
0.33	2.32	227.		5.8	295.9	2.0								
12	01	01	1	17	-17.9	0.217	-9.000	-9.000	-999.	244.	52.0	0.12	2.65	
0.60	2.18	227.		5.8	292.5	2.0								
12	01	01	1	18	-24.7	0.250	-9.000	-9.000	-999.	300.	68.7	0.12	2.65	
1.00	2.50	219.		5.8	288.8	2.0								
12	01	01	1	19	-5.2	0.088	-9.000	-9.000	-999.	91.	12.0	0.12	2.65	
1.00	0.94	201.		5.8	287.5	2.0								
12	01	01	1	20	-3.5	0.073	-9.000	-9.000	-999.	47.	10.0	0.12	2.65	

```

1.00  0.77  259.    5.8  287.0    2.0
  12 01 01   1 21  -2.6  0.064 -9.000 -9.000 -999.  39.    9.1  0.12  2.65
1.00  0.65  264.    5.8  286.4    2.0
  12 01 01   1 22  -4.4  0.081 -9.000 -9.000 -999.  55.   10.9  0.12  2.65
1.00  0.86  211.    5.8  285.9    2.0
  12 01 01   1 23  -4.2  0.079 -9.000 -9.000 -999.  53.   10.7  0.12  2.65
1.00  0.84  247.    5.8  284.9    2.0
  12 01 01   1 24  -7.1  0.103 -9.000 -9.000 -999.  80.   14.1  0.12  2.65
1.00  1.09  236.    5.8  283.8    2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
12 01 01 01    5.8 1   62.    0.87  283.8  99.0  -99.00 -99.00

```

F indicates top of profile (=1) or below (=0)

```

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848

HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
SRCGP1	1ST HIGHEST VALUE IS	9.46730 AT (	412985.54, 3727995.78, 4.42,
	11.32, 0.00) DC		
	2ND HIGHEST VALUE IS	5.57036 AT (	413259.39, 3728649.87, 9.98,
	11.96, 0.00) DC		
	3RD HIGHEST VALUE IS	5.38307 AT (	413174.78, 3728204.09, 4.01,
	12.00, 0.00) DC		
	4TH HIGHEST VALUE IS	5.12814 AT (	413254.78, 3728404.09, 9.29,
	12.66, 0.00) DC		
	5TH HIGHEST VALUE IS	5.05751 AT (	413174.78, 3728184.09, 3.87,
	12.00, 0.00) DC		
	6TH HIGHEST VALUE IS	5.00828 AT (	413254.78, 3728384.09, 8.63,
	12.66, 0.00) DC		

	7TH HIGHEST VALUE IS	4.87411 AT (	413254.78,	3728364.09,	8.48,
12.66,	0.00) DC				
	8TH HIGHEST VALUE IS	4.83152 AT (	413134.78,	3728104.09,	4.53,
11.58,	0.00) DC				
	9TH HIGHEST VALUE IS	4.78913 AT (	413194.78,	3728204.09,	5.67,
12.00,	0.00) DC				
	10TH HIGHEST VALUE IS	4.75194 AT (	413174.78,	3728164.09,	6.24,
7.10,	0.00) DC				
SRCGP2	1ST HIGHEST VALUE IS	19.21231 AT (	411327.04,	3723000.34,	3.26,
3.26,	0.00) DC				
	2ND HIGHEST VALUE IS	7.27107 AT (	411218.80,	3722915.26,	2.73,
2.73,	0.00) DC				
	3RD HIGHEST VALUE IS	6.48629 AT (	411218.80,	3722935.26,	2.50,
2.50,	0.00) DC				
	4TH HIGHEST VALUE IS	6.40296 AT (	411198.80,	3722895.26,	2.54,
2.54,	0.00) DC				
	5TH HIGHEST VALUE IS	5.80165 AT (	411198.80,	3722915.26,	2.49,
2.49,	0.00) DC				
	6TH HIGHEST VALUE IS	5.76319 AT (	411218.80,	3722955.26,	2.38,
2.38,	0.00) DC				
	7TH HIGHEST VALUE IS	5.66933 AT (	411178.80,	3722875.26,	2.49,
2.49,	0.00) DC				
	8TH HIGHEST VALUE IS	5.49515 AT (	411481.61,	3723222.27,	4.86,
4.86,	0.00) DC				
	9TH HIGHEST VALUE IS	5.23767 AT (	411198.80,	3722935.26,	2.33,
2.33,	0.00) DC				
	10TH HIGHEST VALUE IS	5.19864 AT (	411178.80,	3722895.26,	2.44,
2.44,	0.00) DC				

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

▲ *** AERMOD - VERSION 19191 *** *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** ***
 *** 16:48:31

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
---	-------------------------	--------------------	--------------------	----------

SRCGP1 HIGH	1ST HIGH VALUE IS 3727832.22, 10.58, 11.91, 0.00)	377.65885 DC	ON 16112917: AT (	412826.33,
SRCGP2 HIGH	1ST HIGH VALUE IS 3723000.34, 3.26, 3.26, 0.00)	590.47923 DC	ON 14111717: AT (	411327.04,

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

▲ *** AERMOD - VERSION 19191 *** ** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
 *** 05/26/20
 *** AERMET - VERSION 16216 *** **
 *** 16:48:31

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 2 Warning Message(s)
 A Total of 1864 Informational Message(s)
 A Total of 43848 Hours Were Processed
 A Total of 1500 Calm Hours Identified
 A Total of 364 Missing Hours Identified (0.83 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****
 ME W186 3418 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 3418 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

HARP2 - HRACalc (dated 19044) 6/2/2020 2:58:06 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 20

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 4
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: RMP

****Worker Adjustment Factors****
Worker adjustment factors enabled: NO

****Fraction at time at home****
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-Unmitigated
CancerRisk.csv

Cancer risk total by receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-Unmitigated
CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-Unmitigated
NCChronicRisk.csv

Chronic risk total by receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-Unmitigated
NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-Unmitigated
NCAcuteRisk.csv

Acute risk total by receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-Unmitigated
NCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 6/2/2020 3:01:21 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 20

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 4
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: RMP

****Worker Adjustment Factors****
Worker adjustment factors enabled: NO

****Fraction at time at home****
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedCancerRisk.csv

Cancer risk total by receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedCancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedNCChronicRisk.csv

Chronic risk total by receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedNCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedNCAcuteRisk.csv

Acute risk total by receptor saved to:

C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedNCAcuteRiskSumByRec.csv

HRA ran successfully

** Lakes Environmental AERMOD MPI

**

**

** AERMOD Input Produced by:

** AERMOD View Ver. 9.9.0

** Lakes Environmental Software Inc.

** Date: 10/21/2020

** File: F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD E-GEN.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD E-GEN.isc

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 3010232

POLLUTID PM_10

RUNORNOT RUN

ERRORFIL "OCSD E-GEN.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION STCK1 POINT 400229.840 3736049.210 3.120

** DESCRSRC Seal Point Pump Station Emergency Generator

** Source Parameters **

SRCPARAM STCK1 1.0 2.195 703.483 36.40389 0.406

** Building Downwash **

BUILDHGT STCK1 4.88 4.88 0.00 0.00 0.00 0.00

BUILDHGT STCK1 4.88 4.88 4.88 0.00 0.00 0.00

BUILDHGT STCK1 0.00 0.00 0.00 0.00 0.00 0.00

BUILDHGT STCK1 4.88 4.88 4.88 4.88 4.88 4.88

BUILDHGT STCK1 4.88 4.88 4.88 0.00 0.00 0.00

BUILDHGT STCK1 0.00 0.00 0.00 0.00 0.00 0.00

BUILDWID STCK1 20.51 20.18 0.00 0.00 0.00 0.00

BUILDWID	STCK1	19.00	19.41	19.22	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	20.51	20.18	19.25	17.73	16.72	18.02
BUILDWID	STCK1	19.00	19.41	19.22	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN	STCK1	18.45	17.12	0.00	0.00	0.00	0.00
BUILDLN	STCK1	17.80	19.30	20.21	0.00	0.00	0.00
BUILDLN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN	STCK1	18.45	17.12	15.27	12.96	13.24	15.76
BUILDLN	STCK1	17.80	19.30	20.21	0.00	0.00	0.00
BUILDLN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	4.94	7.48	0.00	0.00	0.00	0.00
XBADJ	STCK1	8.66	6.67	4.49	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	-23.39	-24.60	-25.07	-24.78	-25.01	-26.13
XBADJ	STCK1	-26.45	-25.97	-24.70	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK1	-12.42	-9.88	0.00	0.00	0.00	0.00
YBADJ	STCK1	6.23	9.18	11.85	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK1	12.42	9.88	7.03	3.97	0.26	-3.09
YBADJ	STCK1	-6.23	-9.18	-11.85	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "OCSD E-GEN.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC

PROFFILE ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL

SURFDATA 23129 2012

UAIRDATA 3190 2012

PROFBASE 10.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAIVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "OCSD E-GEN.AD\01H1GALL.PLT" 31

PLOTFILE PERIOD ALL "OCSD E-GEN.AD\PE00GALL.PLT" 32

SUMMFILE "OCSD E-GEN.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of	0 Fatal Error Message(s)
A Total of	2 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186	101	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
		0.50
ME W187	101	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 *** *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 6069
Receptor(s)

with: 1 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

(M/SEC) (METERS)

VARY BY

STCK1 0 0.10000E+01 400229.8 3736049.2 3.1 2.19 703.48
36.40 0.41 YES YES NO

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL STCK1 ,
▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID URBAN POP

SOURCE IDs

3010232. STCK1 ,
▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ
YADJ										
1	4.9,	20.5,	18.4,	4.9,	-12.4,	2	4.9,	20.2,	17.1,	7.5,
-9.9,										
3	0.0,	0.0,	0.0,	0.0,	0.0,	4	0.0,	0.0,	0.0,	0.0,
0.0,										
5	0.0,	0.0,	0.0,	0.0,	0.0,	6	0.0,	0.0,	0.0,	0.0,
0.0,										
7	4.9,	19.0,	17.8,	8.7,	6.2,	8	4.9,	19.4,	19.3,	6.7,
9.2,										
9	4.9,	19.2,	20.2,	4.5,	11.9,	10	0.0,	0.0,	0.0,	0.0,
0.0,										
11	0.0,	0.0,	0.0,	0.0,	0.0,	12	0.0,	0.0,	0.0,	0.0,
0.0,										
13	0.0,	0.0,	0.0,	0.0,	0.0,	14	0.0,	0.0,	0.0,	0.0,
0.0,										
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,
0.0,										
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,
0.0,										
19	4.9,	20.5,	18.4,	-23.4,	12.4,	20	4.9,	20.2,	17.1,	-24.6,
9.9,										
21	4.9,	19.2,	15.3,	-25.1,	7.0,	22	4.9,	17.7,	13.0,	-24.8,
4.0,										
23	4.9,	16.7,	13.2,	-25.0,	0.3,	24	4.9,	18.0,	15.8,	-26.1,
-3.1,										
25	4.9,	19.0,	17.8,	-26.4,	-6.2,	26	4.9,	19.4,	19.3,	-26.0,
-9.2,										
27	4.9,	19.2,	20.2,	-24.7,	-11.9,	28	0.0,	0.0,	0.0,	0.0,
0.0,										
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,
0.0,										
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,
0.0,										
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,
0.0,										
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,
0.0,										

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(398682.8, 3736051.9, 3.4, 3.4, 0.0); (398702.8, 3736051.9, 3.4, 3.4, 0.0);
(398722.8, 3736051.9, 3.3, 3.3, 0.0); (398742.8, 3736051.9, 3.2, 3.2, 0.0);
(398762.8, 3736051.9, 3.1, 3.1, 0.0); (398782.8, 3736051.9, 3.1, 3.1, 0.0);
(398802.8, 3736051.9, 3.0, 3.0, 0.0); (398822.8, 3736051.9, 2.9, 2.9, 0.0);
(398842.8, 3736051.9, 2.8, 2.8, 0.0); (398862.8, 3736051.9, 2.7, 2.7, 0.0);
(398882.8, 3736051.9, -0.7, 2.9, 0.0); (398902.8, 3736051.9, 2.4, 2.4, 0.0);
(398922.8, 3736051.9, 2.3, 2.3, 0.0); (398942.8, 3736051.9, 1.9, 1.9, 0.0);
(398962.8, 3736051.9, 1.7, 1.7, 0.0); (398982.8, 3736051.9, 2.1, 2.1, 0.0);
(399002.8, 3736051.9, 2.1, 2.1, 0.0); (399022.8, 3736051.9, 2.1, 2.1, 0.0);
(399042.8, 3736051.9, 2.2, 2.2, 0.0); (399062.8, 3736051.9, 2.3, 2.3, 0.0);
(399082.8, 3736051.9, 2.3, 2.3, 0.0); (399102.8, 3736051.9, 2.4, 2.4, 0.0);
(399122.8, 3736051.9, 2.4, 2.4, 0.0); (399142.8, 3736051.9, 2.4, 2.4, 0.0);
(399162.8, 3736051.9, 2.4, 2.4, 0.0); (399182.8, 3736051.9, 2.4, 2.4, 0.0);
(399202.8, 3736051.9, 2.4, 2.4, 0.0); (399222.8, 3736051.9, 2.4, 2.4, 0.0);
(399242.8, 3736051.9, 2.3, 2.3, 0.0); (399262.8, 3736051.9, 2.3, 2.3, 0.0);
(399282.8, 3736051.9, 2.2, 2.2, 0.0); (399302.8, 3736051.9, 2.3, 2.3, 0.0);
(399322.8, 3736051.9, 2.4, 2.4, 0.0); (399342.8, 3736051.9, 2.4, 2.4, 0.0);
(399362.8, 3736051.9, 2.4, 2.4, 0.0); (399382.8, 3736051.9, 2.4, 2.4, 0.0);
(399402.8, 3736051.9, 2.4, 2.4, 0.0); (399422.8, 3736051.9, 2.5, 2.5, 0.0);
(399442.8, 3736051.9, 2.5, 2.5, 0.0); (399462.8, 3736051.9, 2.5, 2.5, 0.0);
(399482.8, 3736051.9, 2.6, 2.6, 0.0); (399502.8, 3736051.9, 2.6, 2.6, 0.0);
(399522.8, 3736051.9, 2.6, 2.6, 0.0); (399542.8, 3736051.9, 2.7, 2.7, 0.0);
(399562.8, 3736051.9, 2.7, 2.7, 0.0); (399582.8, 3736051.9, 2.8, 2.8, 0.0);
(399602.8, 3736051.9, 2.8, 2.8, 0.0); (399622.8, 3736051.9, 2.8, 2.8, 0.0);

3736051.9, 2.8, 2.8, 0.0);
 (399642.8, 3736051.9, 2.9, 2.9, 0.0); (399662.8,
 3736051.9, 2.9, 2.9, 0.0);
 (399682.8, 3736051.9, 2.9, 2.9, 0.0); (399702.8,
 3736051.9, 2.9, 2.9, 0.0);
 (399722.8, 3736051.9, 2.9, 2.9, 0.0); (399742.8,
 3736051.9, 2.9, 2.9, 0.0);
 (399762.8, 3736051.9, 2.9, 2.9, 0.0); (399782.8,
 3736051.9, 2.9, 2.9, 0.0);
 (399802.8, 3736051.9, 2.8, 2.8, 0.0); (399822.8,
 3736051.9, 2.7, 2.7, 0.0);
 (399842.8, 3736051.9, 2.8, 2.8, 0.0); (399862.8,
 3736051.9, 2.7, 2.7, 0.0);
 (399882.8, 3736051.9, 2.7, 2.7, 0.0); (399902.8,
 3736051.9, 2.8, 2.8, 0.0);
 (399922.8, 3736051.9, 2.8, 2.8, 0.0); (399942.8,
 3736051.9, 2.8, 2.8, 0.0);
 (399962.8, 3736051.9, 2.9, 2.9, 0.0); (399982.8,
 3736051.9, 2.4, 2.4, 0.0);
 (398682.8, 3736071.9, 3.2, 3.2, 0.0); (398702.8,
 3736071.9, 3.2, 3.2, 0.0);
 (398722.8, 3736071.9, 3.2, 3.2, 0.0); (398742.8,
 3736071.9, 3.3, 3.3, 0.0);
 (398762.8, 3736071.9, 3.3, 3.3, 0.0); (398782.8,
 3736071.9, 3.3, 3.3, 0.0);
 (398802.8, 3736071.9, 3.3, 3.3, 0.0); (398822.8,
 3736071.9, 3.1, 3.1, 0.0);
 (398842.8, 3736071.9, 2.7, 2.7, 0.0); (398862.8,
 3736071.9, 2.6, 2.6, 0.0);
 (398882.8, 3736071.9, -0.6, 2.9, 0.0); (398902.8,
 3736071.9, 2.5, 2.5, 0.0);
 (398922.8, 3736071.9, 2.5, 2.5, 0.0); (398942.8,
 3736071.9, 1.9, 1.9, 0.0);
 (398962.8, 3736071.9, 1.6, 2.4, 0.0); (398982.8,
 3736071.9, 2.5, 2.5, 0.0);
 (399002.8, 3736071.9, 2.5, 2.5, 0.0); (399022.8,
 3736071.9, 2.5, 2.5, 0.0);
 (399042.8, 3736071.9, 2.6, 2.6, 0.0); (399062.8,
 3736071.9, 2.6, 2.6, 0.0);
 (399082.8, 3736071.9, 2.6, 2.6, 0.0); (399102.8,
 3736071.9, 2.7, 2.7, 0.0);
 (399122.8, 3736071.9, 2.7, 2.7, 0.0); (399142.8,
 3736071.9, 2.7, 2.7, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399162.8, 3736071.9,	2.6,	2.6,	0.0);	(399182.8,
3736071.9,	2.6,	2.6,	0.0);	
(399202.8, 3736071.9,	2.6,	2.6,	0.0);	(399222.8,
3736071.9,	2.6,	2.6,	0.0);	
(399242.8, 3736071.9,	2.3,	2.3,	0.0);	(399262.8,
3736071.9,	2.4,	2.4,	0.0);	
(399282.8, 3736071.9,	2.4,	2.4,	0.0);	(399302.8,
3736071.9,	2.3,	2.3,	0.0);	
(399322.8, 3736071.9,	2.4,	2.4,	0.0);	(399342.8,
3736071.9,	2.5,	2.5,	0.0);	
(399362.8, 3736071.9,	2.5,	2.5,	0.0);	(399382.8,
3736071.9,	2.5,	2.5,	0.0);	
(399402.8, 3736071.9,	2.3,	2.3,	0.0);	(399422.8,
3736071.9,	2.3,	2.3,	0.0);	
(399442.8, 3736071.9,	2.3,	2.3,	0.0);	(399462.8,
3736071.9,	2.4,	2.4,	0.0);	
(399482.8, 3736071.9,	2.5,	2.5,	0.0);	(399502.8,
3736071.9,	2.5,	2.5,	0.0);	
(399522.8, 3736071.9,	2.6,	2.6,	0.0);	(399542.8,
3736071.9,	2.9,	2.9,	0.0);	
(399562.8, 3736071.9,	2.9,	2.9,	0.0);	(399582.8,
3736071.9,	2.9,	2.9,	0.0);	
(399602.8, 3736071.9,	3.0,	3.0,	0.0);	(399622.8,
3736071.9,	3.0,	3.0,	0.0);	
(399642.8, 3736071.9,	3.0,	3.0,	0.0);	(399662.8,
3736071.9,	3.1,	3.1,	0.0);	
(399682.8, 3736071.9,	3.1,	3.1,	0.0);	(399702.8,
3736071.9,	3.1,	3.1,	0.0);	
(399722.8, 3736071.9,	3.1,	3.1,	0.0);	(399742.8,
3736071.9,	3.0,	3.0,	0.0);	
(399762.8, 3736071.9,	3.0,	3.0,	0.0);	(399782.8,
3736071.9,	2.9,	2.9,	0.0);	
(399802.8, 3736071.9,	3.0,	3.0,	0.0);	(399822.8,
3736071.9,	2.9,	2.9,	0.0);	
(399842.8, 3736071.9,	2.9,	2.9,	0.0);	(399862.8,
3736071.9,	2.7,	2.7,	0.0);	
(399882.8, 3736071.9,	2.7,	2.7,	0.0);	(399902.8,
3736071.9,	2.8,	2.8,	0.0);	
(399922.8, 3736071.9,	2.7,	2.7,	0.0);	(399942.8,
3736071.9,	2.7,	2.7,	0.0);	
(399962.8, 3736071.9,	2.6,	2.6,	0.0);	(399982.8,
3736071.9,	2.4,	2.4,	0.0);	
(398682.8, 3736091.9,	3.1,	3.1,	0.0);	(398702.8,
3736091.9,	3.2,	3.2,	0.0);	
(398722.8, 3736091.9,	3.2,	3.2,	0.0);	(398742.8,

3736091.9, 3.2, 3.2, 0.0);
 (398762.8, 3736091.9, 3.3, 3.3, 0.0); (398782.8,
 3736091.9, 3.2, 3.2, 0.0);
 (398802.8, 3736091.9, 3.2, 3.2, 0.0); (398822.8,
 3736091.9, 3.0, 3.0, 0.0);
 (398842.8, 3736091.9, 2.5, 2.5, 0.0); (398862.8,
 3736091.9, 2.3, 2.3, 0.0);
 (398882.8, 3736091.9, -0.6, 2.8, 0.0); (398902.8,
 3736091.9, 2.2, 2.2, 0.0);
 (398922.8, 3736091.9, 2.1, 2.1, 0.0); (398942.8,
 3736091.9, 1.8, 1.8, 0.0);
 (398962.8, 3736091.9, 1.3, 2.2, 0.0); (398982.8,
 3736091.9, 2.4, 2.4, 0.0);
 (399002.8, 3736091.9, 2.4, 2.4, 0.0); (399022.8,
 3736091.9, 2.5, 2.5, 0.0);
 (399042.8, 3736091.9, 2.5, 2.5, 0.0); (399062.8,
 3736091.9, 2.6, 2.6, 0.0);
 (399082.8, 3736091.9, 2.6, 2.6, 0.0); (399102.8,
 3736091.9, 2.6, 2.6, 0.0);
 (399122.8, 3736091.9, 2.6, 2.6, 0.0); (399142.8,
 3736091.9, 2.7, 2.7, 0.0);
 (399162.8, 3736091.9, 2.5, 2.5, 0.0); (399182.8,
 3736091.9, 2.4, 2.4, 0.0);
 (399202.8, 3736091.9, 2.4, 2.4, 0.0); (399222.8,
 3736091.9, 2.3, 2.3, 0.0);
 (399242.8, 3736091.9, 2.3, 2.3, 0.0); (399262.8,
 3736091.9, 2.6, 2.6, 0.0);
 (399282.8, 3736091.9, 2.6, 2.6, 0.0); (399302.8,
 3736091.9, 2.6, 2.6, 0.0);
 (399322.8, 3736091.9, 2.5, 2.5, 0.0); (399342.8,
 3736091.9, 2.6, 2.6, 0.0);
 (399362.8, 3736091.9, 2.6, 2.6, 0.0); (399382.8,
 3736091.9, 2.7, 2.7, 0.0);
 (399402.8, 3736091.9, 2.5, 2.5, 0.0); (399422.8,
 3736091.9, 2.4, 2.4, 0.0);
 (399442.8, 3736091.9, 2.5, 2.5, 0.0); (399462.8,
 3736091.9, 2.7, 2.7, 0.0);
 (399482.8, 3736091.9, 2.6, 2.6, 0.0); (399502.8,
 3736091.9, 2.5, 2.5, 0.0);
 (399522.8, 3736091.9, 2.5, 2.5, 0.0); (399542.8,
 3736091.9, 2.7, 2.7, 0.0);
 (399562.8, 3736091.9, 2.8, 2.8, 0.0); (399582.8,
 3736091.9, 3.0, 3.0, 0.0);
 (399602.8, 3736091.9, 2.9, 2.9, 0.0); (399622.8,
 3736091.9, 2.9, 2.9, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399642.8, 3736091.9,	3.0,	3.0,	0.0);	(399662.8,
3736091.9,	2.9,	2.9,	0.0);	
(399682.8, 3736091.9,	3.0,	3.0,	0.0);	(399702.8,
3736091.9,	3.0,	3.0,	0.0);	
(399722.8, 3736091.9,	3.0,	3.0,	0.0);	(399742.8,
3736091.9,	3.1,	3.1,	0.0);	
(399762.8, 3736091.9,	3.0,	3.0,	0.0);	(399782.8,
3736091.9,	2.7,	2.7,	0.0);	
(399802.8, 3736091.9,	2.7,	2.7,	0.0);	(399822.8,
3736091.9,	2.8,	2.8,	0.0);	
(399842.8, 3736091.9,	2.8,	2.8,	0.0);	(399862.8,
3736091.9,	2.7,	2.7,	0.0);	
(399882.8, 3736091.9,	2.6,	2.6,	0.0);	(399902.8,
3736091.9,	2.4,	2.4,	0.0);	
(399922.8, 3736091.9,	2.2,	2.2,	0.0);	(399942.8,
3736091.9,	2.1,	2.1,	0.0);	
(399962.8, 3736091.9,	2.1,	2.1,	0.0);	(399982.8,
3736091.9,	2.1,	2.1,	0.0);	
(398682.8, 3736111.9,	3.2,	3.2,	0.0);	(398702.8,
3736111.9,	3.1,	3.1,	0.0);	
(398722.8, 3736111.9,	3.2,	3.2,	0.0);	(398742.8,
3736111.9,	3.3,	3.3,	0.0);	
(398762.8, 3736111.9,	3.4,	3.4,	0.0);	(398782.8,
3736111.9,	3.4,	3.4,	0.0);	
(398802.8, 3736111.9,	3.4,	3.4,	0.0);	(398822.8,
3736111.9,	3.3,	3.3,	0.0);	
(398842.8, 3736111.9,	3.0,	3.0,	0.0);	(398862.8,
3736111.9,	2.2,	2.2,	0.0);	
(398882.8, 3736111.9,	-0.3,	2.6,	0.0);	(398902.8,
3736111.9,	2.0,	2.0,	0.0);	
(398922.8, 3736111.9,	1.9,	1.9,	0.0);	(398942.8,
3736111.9,	1.7,	1.7,	0.0);	
(398962.8, 3736111.9,	0.9,	2.3,	0.0);	(398982.8,
3736111.9,	2.3,	2.3,	0.0);	
(399002.8, 3736111.9,	2.2,	2.2,	0.0);	(399022.8,
3736111.9,	2.4,	2.4,	0.0);	
(399042.8, 3736111.9,	2.5,	2.5,	0.0);	(399062.8,
3736111.9,	2.7,	2.7,	0.0);	
(399082.8, 3736111.9,	2.5,	2.5,	0.0);	(399102.8,
3736111.9,	2.4,	2.4,	0.0);	
(399122.8, 3736111.9,	2.5,	2.5,	0.0);	(399142.8,
3736111.9,	2.7,	2.7,	0.0);	
(399162.8, 3736111.9,	2.5,	2.5,	0.0);	(399182.8,

3736111.9, 2.3, 2.3, 0.0);
 (399202.8, 3736111.9, 2.3, 2.3, 0.0); (399222.8,
 3736111.9, 2.3, 2.3, 0.0);
 (399242.8, 3736111.9, 2.3, 2.3, 0.0); (399262.8,
 3736111.9, 2.5, 2.5, 0.0);
 (399282.8, 3736111.9, 2.7, 2.7, 0.0); (399302.8,
 3736111.9, 2.7, 2.7, 0.0);
 (399322.8, 3736111.9, 2.6, 2.6, 0.0); (399342.8,
 3736111.9, 2.6, 2.6, 0.0);
 (399362.8, 3736111.9, 2.6, 2.6, 0.0); (399382.8,
 3736111.9, 2.7, 2.7, 0.0);
 (399402.8, 3736111.9, 2.5, 2.5, 0.0); (399422.8,
 3736111.9, 2.5, 2.5, 0.0);
 (399442.8, 3736111.9, 2.8, 2.8, 0.0); (399462.8,
 3736111.9, 2.9, 2.9, 0.0);
 (399482.8, 3736111.9, 2.9, 2.9, 0.0); (399502.8,
 3736111.9, 2.8, 2.8, 0.0);
 (399522.8, 3736111.9, 2.6, 2.6, 0.0); (399542.8,
 3736111.9, 2.5, 2.5, 0.0);
 (399562.8, 3736111.9, 2.7, 2.7, 0.0); (399582.8,
 3736111.9, 2.9, 2.9, 0.0);
 (399602.8, 3736111.9, 3.0, 3.0, 0.0); (399622.8,
 3736111.9, 3.0, 3.0, 0.0);
 (399642.8, 3736111.9, 2.9, 2.9, 0.0); (399662.8,
 3736111.9, 2.9, 2.9, 0.0);
 (399682.8, 3736111.9, 3.0, 3.0, 0.0); (399702.8,
 3736111.9, 3.0, 3.0, 0.0);
 (399722.8, 3736111.9, 3.1, 3.1, 0.0); (399742.8,
 3736111.9, 3.1, 3.1, 0.0);
 (399762.8, 3736111.9, 2.9, 2.9, 0.0); (399782.8,
 3736111.9, 2.6, 2.6, 0.0);
 (399802.8, 3736111.9, 2.5, 2.5, 0.0); (399822.8,
 3736111.9, 2.5, 2.5, 0.0);
 (399842.8, 3736111.9, 2.6, 2.6, 0.0); (399862.8,
 3736111.9, 2.5, 2.5, 0.0);
 (399882.8, 3736111.9, 2.3, 2.3, 0.0); (399902.8,
 3736111.9, 2.6, 2.6, 0.0);
 (399922.8, 3736111.9, 2.5, 2.5, 0.0); (399942.8,
 3736111.9, 2.2, 2.2, 0.0);
 (399962.8, 3736111.9, 2.1, 2.1, 0.0); (399982.8,
 3736111.9, 2.2, 2.2, 0.0);
 (398682.8, 3736131.9, 3.3, 3.3, 0.0); (398702.8,
 3736131.9, 3.3, 3.3, 0.0);
 (398722.8, 3736131.9, 3.3, 3.3, 0.0); (398742.8,
 3736131.9, 3.7, 3.7, 0.0);
 (398762.8, 3736131.9, 3.7, 3.7, 0.0); (398782.8,
 3736131.9, 3.7, 3.7, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***

*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(398802.8, 3736131.9,	3.6,	3.6,	0.0);	(398822.8,
3736131.9,	3.7,	3.7,	0.0);	
(398842.8, 3736131.9,	3.4,	3.4,	0.0);	(398862.8,
3736131.9,	2.2,	2.2,	0.0);	
(398882.8, 3736131.9,	-0.2,	2.8,	0.0);	(398902.8,
3736131.9,	2.0,	2.0,	0.0);	
(398922.8, 3736131.9,	2.0,	2.0,	0.0);	(398942.8,
3736131.9,	2.0,	2.0,	0.0);	
(398962.8, 3736131.9,	0.9,	1.7,	0.0);	(398982.8,
3736131.9,	1.3,	2.2,	0.0);	
(399002.8, 3736131.9,	2.3,	2.3,	0.0);	(399022.8,
3736131.9,	2.5,	2.5,	0.0);	
(399042.8, 3736131.9,	2.6,	2.6,	0.0);	(399062.8,
3736131.9,	2.6,	2.6,	0.0);	
(399082.8, 3736131.9,	2.3,	2.3,	0.0);	(399102.8,
3736131.9,	2.3,	2.3,	0.0);	
(399122.8, 3736131.9,	2.4,	2.4,	0.0);	(399142.8,
3736131.9,	2.7,	2.7,	0.0);	
(399162.8, 3736131.9,	2.6,	2.6,	0.0);	(399182.8,
3736131.9,	2.5,	2.5,	0.0);	
(399202.8, 3736131.9,	2.5,	2.5,	0.0);	(399222.8,
3736131.9,	2.5,	2.5,	0.0);	
(399242.8, 3736131.9,	2.3,	2.3,	0.0);	(399262.8,
3736131.9,	2.6,	2.6,	0.0);	
(399282.8, 3736131.9,	2.8,	2.8,	0.0);	(399302.8,
3736131.9,	2.6,	2.6,	0.0);	
(399322.8, 3736131.9,	2.6,	2.6,	0.0);	(399342.8,
3736131.9,	2.7,	2.7,	0.0);	
(399362.8, 3736131.9,	2.6,	2.6,	0.0);	(399382.8,
3736131.9,	2.7,	2.7,	0.0);	
(399402.8, 3736131.9,	2.6,	2.6,	0.0);	(399422.8,
3736131.9,	2.8,	2.8,	0.0);	
(399442.8, 3736131.9,	2.9,	2.9,	0.0);	(399462.8,
3736131.9,	2.8,	2.8,	0.0);	
(399482.8, 3736131.9,	2.9,	2.9,	0.0);	(399502.8,
3736131.9,	2.9,	2.9,	0.0);	
(399522.8, 3736131.9,	3.0,	3.0,	0.0);	(399542.8,
3736131.9,	2.7,	2.7,	0.0);	
(399562.8, 3736131.9,	2.6,	2.6,	0.0);	(399582.8,
3736131.9,	2.7,	2.7,	0.0);	
(399602.8, 3736131.9,	2.9,	2.9,	0.0);	(399622.8,

3736131.9, 2.9, 2.9, 0.0);
 (399642.8, 3736131.9, 2.9, 2.9, 0.0); (399662.8,
 3736131.9, 2.9, 2.9, 0.0);
 (399682.8, 3736131.9, 3.2, 3.2, 0.0); (399702.8,
 3736131.9, 3.1, 3.1, 0.0);
 (399722.8, 3736131.9, 3.1, 3.1, 0.0); (399742.8,
 3736131.9, 3.1, 3.1, 0.0);
 (399762.8, 3736131.9, 2.9, 2.9, 0.0); (399782.8,
 3736131.9, 2.8, 2.8, 0.0);
 (399802.8, 3736131.9, 2.5, 2.5, 0.0); (399822.8,
 3736131.9, 2.5, 2.5, 0.0);
 (399842.8, 3736131.9, 2.4, 2.4, 0.0); (399862.8,
 3736131.9, 2.3, 2.3, 0.0);
 (399882.8, 3736131.9, 2.4, 2.4, 0.0); (399902.8,
 3736131.9, 2.8, 2.8, 0.0);
 (399922.8, 3736131.9, 2.8, 2.8, 0.0); (399942.8,
 3736131.9, 2.4, 2.4, 0.0);
 (399962.8, 3736131.9, 2.4, 2.4, 0.0); (399982.8,
 3736131.9, 2.2, 2.2, 0.0);
 (398682.8, 3736151.9, 2.3, 3.4, 0.0); (398702.8,
 3736151.9, 3.4, 3.4, 0.0);
 (398722.8, 3736151.9, 3.6, 3.6, 0.0); (398742.8,
 3736151.9, 3.3, 3.3, 0.0);
 (398762.8, 3736151.9, 3.6, 3.6, 0.0); (398782.8,
 3736151.9, 3.6, 3.6, 0.0);
 (398802.8, 3736151.9, 3.2, 3.2, 0.0); (398822.8,
 3736151.9, 3.2, 3.2, 0.0);
 (398842.8, 3736151.9, 3.6, 3.6, 0.0); (398862.8,
 3736151.9, 2.2, 2.2, 0.0);
 (398882.8, 3736151.9, -0.5, 3.5, 0.0); (398902.8,
 3736151.9, 2.0, 2.0, 0.0);
 (398922.8, 3736151.9, 2.3, 2.3, 0.0); (398942.8,
 3736151.9, 2.2, 2.2, 0.0);
 (398962.8, 3736151.9, 2.1, 2.1, 0.0); (398982.8,
 3736151.9, 1.2, 2.2, 0.0);
 (399002.8, 3736151.9, 0.8, 1.9, 0.0); (399022.8,
 3736151.9, 2.0, 2.0, 0.0);
 (399042.8, 3736151.9, 2.5, 2.5, 0.0); (399062.8,
 3736151.9, 2.5, 2.5, 0.0);
 (399082.8, 3736151.9, 2.2, 2.2, 0.0); (399102.8,
 3736151.9, 2.3, 2.3, 0.0);
 (399122.8, 3736151.9, 2.5, 2.5, 0.0); (399142.8,
 3736151.9, 2.5, 2.5, 0.0);
 (399162.8, 3736151.9, 2.6, 2.6, 0.0); (399182.8,
 3736151.9, 2.6, 2.6, 0.0);
 (399202.8, 3736151.9, 2.5, 2.5, 0.0); (399222.8,
 3736151.9, 2.4, 2.4, 0.0);
 (399242.8, 3736151.9, 2.4, 2.4, 0.0); (399262.8,
 3736151.9, 2.6, 2.6, 0.0);

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399282.8, 3736151.9,	2.7,	2.7,	0.0);	(399302.8,
3736151.9, 2.5,	2.5,	0.0);		
(399322.8, 3736151.9,	2.6,	2.6,	0.0);	(399342.8,
3736151.9, 2.8,	2.8,	0.0);		
(399362.8, 3736151.9,	2.8,	2.8,	0.0);	(399382.8,
3736151.9, 2.8,	2.8,	0.0);		
(399402.8, 3736151.9,	2.7,	2.7,	0.0);	(399422.8,
3736151.9, 2.7,	2.7,	0.0);		
(399442.8, 3736151.9,	2.7,	2.7,	0.0);	(399462.8,
3736151.9, 2.9,	2.9,	0.0);		
(399482.8, 3736151.9,	2.9,	2.9,	0.0);	(399502.8,
3736151.9, 3.1,	3.1,	0.0);		
(399522.8, 3736151.9,	3.1,	3.1,	0.0);	(399542.8,
3736151.9, 3.1,	3.1,	0.0);		
(399562.8, 3736151.9,	3.0,	3.0,	0.0);	(399582.8,
3736151.9, 2.7,	2.7,	0.0);		
(399602.8, 3736151.9,	2.7,	2.7,	0.0);	(399622.8,
3736151.9, 2.8,	2.8,	0.0);		
(399642.8, 3736151.9,	2.8,	2.8,	0.0);	(399662.8,
3736151.9, 3.1,	3.1,	0.0);		
(399682.8, 3736151.9,	3.1,	3.1,	0.0);	(399702.8,
3736151.9, 3.1,	3.1,	0.0);		
(399722.8, 3736151.9,	3.1,	3.1,	0.0);	(399742.8,
3736151.9, 2.8,	2.8,	0.0);		
(399762.8, 3736151.9,	2.8,	2.8,	0.0);	(399782.8,
3736151.9, 2.7,	2.7,	0.0);		
(399802.8, 3736151.9,	2.6,	2.6,	0.0);	(399822.8,
3736151.9, 2.6,	2.6,	0.0);		
(399842.8, 3736151.9,	2.4,	2.4,	0.0);	(399862.8,
3736151.9, 2.4,	2.4,	0.0);		
(399882.8, 3736151.9,	2.6,	2.6,	0.0);	(399902.8,
3736151.9, 2.8,	2.8,	0.0);		
(399922.8, 3736151.9,	2.9,	2.9,	0.0);	(399942.8,
3736151.9, 2.8,	2.8,	0.0);		
(399962.8, 3736151.9,	2.8,	2.8,	0.0);	(399982.8,
3736151.9, 2.4,	2.4,	0.0);		
(398682.8, 3736171.9,	1.3,	3.4,	0.0);	(398702.8,
3736171.9, 3.4,	3.4,	0.0);		
(398722.8, 3736171.9,	3.6,	3.6,	0.0);	(398742.8,

3736171.9, 3.3, 3.3, 0.0);
(398762.8, 3736171.9, 3.4, 3.4, 0.0); (398782.8,
3736171.9, 3.4, 3.4, 0.0);
(398802.8, 3736171.9, 3.0, 3.0, 0.0); (398822.8,
3736171.9, 3.0, 3.0, 0.0);
(398842.8, 3736171.9, 3.6, 3.6, 0.0); (398862.8,
3736171.9, 2.0, 2.8, 0.0);
(398882.8, 3736171.9, -0.2, 3.4, 0.0); (398902.8,
3736171.9, 2.0, 2.0, 0.0);
(398922.8, 3736171.9, 2.4, 2.4, 0.0); (398942.8,
3736171.9, 2.3, 2.3, 0.0);
(398962.8, 3736171.9, 2.6, 2.6, 0.0); (398982.8,
3736171.9, 2.5, 2.5, 0.0);
(399002.8, 3736171.9, 1.9, 1.9, 0.0); (399022.8,
3736171.9, 0.8, 1.5, 0.0);
(399042.8, 3736171.9, 1.5, 2.2, 0.0); (399062.8,
3736171.9, 2.2, 2.2, 0.0);
(399082.8, 3736171.9, 2.2, 2.2, 0.0); (399102.8,
3736171.9, 2.4, 2.4, 0.0);
(399122.8, 3736171.9, 2.5, 2.5, 0.0); (399142.8,
3736171.9, 2.3, 2.3, 0.0);
(399162.8, 3736171.9, 2.3, 2.3, 0.0); (399182.8,
3736171.9, 2.5, 2.5, 0.0);
(399202.8, 3736171.9, 2.5, 2.5, 0.0); (399222.8,
3736171.9, 2.3, 2.3, 0.0);
(399242.8, 3736171.9, 2.5, 2.5, 0.0); (399262.8,
3736171.9, 2.5, 2.5, 0.0);
(399282.8, 3736171.9, 2.5, 2.5, 0.0); (399302.8,
3736171.9, 2.5, 2.5, 0.0);
(399322.8, 3736171.9, 2.8, 2.8, 0.0); (399342.8,
3736171.9, 2.8, 2.8, 0.0);
(399362.8, 3736171.9, 2.8, 2.8, 0.0); (399382.8,
3736171.9, 2.8, 2.8, 0.0);
(399402.8, 3736171.9, 2.8, 2.8, 0.0); (399422.8,
3736171.9, 2.8, 2.8, 0.0);
(399442.8, 3736171.9, 2.9, 2.9, 0.0); (399462.8,
3736171.9, 2.9, 2.9, 0.0);
(399482.8, 3736171.9, 2.9, 2.9, 0.0); (399502.8,
3736171.9, 3.1, 3.1, 0.0);
(399522.8, 3736171.9, 3.2, 3.2, 0.0); (399542.8,
3736171.9, 3.2, 3.2, 0.0);
(399562.8, 3736171.9, 3.1, 3.1, 0.0); (399582.8,
3736171.9, 3.1, 3.1, 0.0);
(399602.8, 3736171.9, 2.9, 2.9, 0.0); (399622.8,
3736171.9, 2.8, 2.8, 0.0);
(399642.8, 3736171.9, 2.8, 2.8, 0.0); (399662.8,
3736171.9, 3.0, 3.0, 0.0);
(399682.8, 3736171.9, 3.1, 3.1, 0.0); (399702.8,
3736171.9, 3.1, 3.1, 0.0);
(399722.8, 3736171.9, 2.8, 2.8, 0.0); (399742.8,

3736171.9, 2.6, 2.6, 0.0);
 ▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399762.8, 3736171.9,	2.6,	2.6,	0.0);	(399782.8,
3736171.9, 2.7,	2.7,	0.0);		
(399802.8, 3736171.9,	2.7,	2.7,	0.0);	(399822.8,
3736171.9, 2.5,	2.5,	0.0);		
(399842.8, 3736171.9,	2.4,	2.4,	0.0);	(399862.8,
3736171.9, 2.5,	2.5,	0.0);		
(399882.8, 3736171.9,	2.8,	2.8,	0.0);	(399902.8,
3736171.9, 2.8,	2.8,	0.0);		
(399922.8, 3736171.9,	2.9,	2.9,	0.0);	(399942.8,
3736171.9, 2.8,	2.8,	0.0);		
(399962.8, 3736171.9,	2.7,	2.7,	0.0);	(399982.8,
3736171.9, 2.4,	2.4,	0.0);		
(398682.8, 3736191.9,	1.2,	3.1,	0.0);	(398702.8,
3736191.9, 3.1,	3.1,	0.0);		
(398722.8, 3736191.9,	3.7,	3.7,	0.0);	(398742.8,
3736191.9, 3.2,	3.2,	0.0);		
(398762.8, 3736191.9,	3.3,	3.3,	0.0);	(398782.8,
3736191.9, 3.4,	3.4,	0.0);		
(398802.8, 3736191.9,	3.3,	3.3,	0.0);	(398822.8,
3736191.9, 4.0,	4.0,	0.0);		
(398842.8, 3736191.9,	3.8,	3.8,	0.0);	(398862.8,
3736191.9, 1.9,	2.8,	0.0);		
(398882.8, 3736191.9,	0.0,	2.8,	0.0);	(398902.8,
3736191.9, 2.1,	2.1,	0.0);		
(398922.8, 3736191.9,	2.4,	2.4,	0.0);	(398942.8,
3736191.9, 2.5,	2.5,	0.0);		
(398962.8, 3736191.9,	2.6,	2.6,	0.0);	(398982.8,
3736191.9, 2.4,	2.4,	0.0);		
(399002.8, 3736191.9,	2.6,	2.6,	0.0);	(399022.8,
3736191.9, 2.2,	2.2,	0.0);		
(399042.8, 3736191.9,	1.2,	2.2,	0.0);	(399062.8,
3736191.9, 0.9,	1.9,	0.0);		
(399082.8, 3736191.9,	2.0,	2.0,	0.0);	(399102.8,
3736191.9, 2.5,	2.5,	0.0);		
(399122.8, 3736191.9,	2.4,	2.4,	0.0);	(399142.8,
3736191.9, 2.3,	2.3,	0.0);		
(399162.8, 3736191.9,	2.2,	2.2,	0.0);	(399182.8,

3736191.9, 2.2, 2.2, 0.0);
(399202.8, 3736191.9, 2.3, 2.3, 0.0); (399222.8,
3736191.9, 2.5, 2.5, 0.0);
(399242.8, 3736191.9, 2.7, 2.7, 0.0); (399262.8,
3736191.9, 2.5, 2.5, 0.0);
(399282.8, 3736191.9, 2.4, 2.4, 0.0); (399302.8,
3736191.9, 2.5, 2.5, 0.0);
(399322.8, 3736191.9, 2.8, 2.8, 0.0); (399342.8,
3736191.9, 2.8, 2.8, 0.0);
(399362.8, 3736191.9, 2.8, 2.8, 0.0); (399382.8,
3736191.9, 2.8, 2.8, 0.0);
(399402.8, 3736191.9, 2.9, 2.9, 0.0); (399422.8,
3736191.9, 2.8, 2.8, 0.0);
(399442.8, 3736191.9, 2.9, 2.9, 0.0); (399462.8,
3736191.9, 2.9, 2.9, 0.0);
(399482.8, 3736191.9, 3.0, 3.0, 0.0); (399502.8,
3736191.9, 3.0, 3.0, 0.0);
(399522.8, 3736191.9, 3.2, 3.2, 0.0); (399542.8,
3736191.9, 3.1, 3.1, 0.0);
(399562.8, 3736191.9, 3.0, 3.0, 0.0); (399582.8,
3736191.9, 3.1, 3.1, 0.0);
(399602.8, 3736191.9, 3.1, 3.1, 0.0); (399622.8,
3736191.9, 3.0, 3.0, 0.0);
(399642.8, 3736191.9, 2.9, 2.9, 0.0); (399662.8,
3736191.9, 2.8, 2.8, 0.0);
(399682.8, 3736191.9, 2.9, 2.9, 0.0); (399702.8,
3736191.9, 3.1, 3.1, 0.0);
(399722.8, 3736191.9, 2.9, 2.9, 0.0); (399742.8,
3736191.9, 2.6, 2.6, 0.0);
(399762.8, 3736191.9, 2.5, 2.5, 0.0); (399782.8,
3736191.9, 2.5, 2.5, 0.0);
(399802.8, 3736191.9, 2.6, 2.6, 0.0); (399822.8,
3736191.9, 2.4, 2.4, 0.0);
(399842.8, 3736191.9, 2.4, 2.4, 0.0); (399862.8,
3736191.9, 2.6, 2.6, 0.0);
(399882.8, 3736191.9, 2.8, 2.8, 0.0); (399902.8,
3736191.9, 2.8, 2.8, 0.0);
(399922.8, 3736191.9, 2.8, 2.8, 0.0); (399942.8,
3736191.9, 2.8, 2.8, 0.0);
(399962.8, 3736191.9, 2.5, 2.5, 0.0); (399982.8,
3736191.9, 2.3, 2.3, 0.0);
(398682.8, 3736211.9, 1.2, 1.2, 0.0); (398702.8,
3736211.9, 2.8, 2.8, 0.0);
(398722.8, 3736211.9, 3.5, 3.5, 0.0); (398742.8,
3736211.9, 3.1, 3.1, 0.0);
(398762.8, 3736211.9, 3.3, 3.3, 0.0); (398782.8,
3736211.9, 3.3, 3.3, 0.0);
(398802.8, 3736211.9, 3.5, 3.5, 0.0); (398822.8,
3736211.9, 4.1, 4.1, 0.0);
(398842.8, 3736211.9, 3.6, 3.6, 0.0); (398862.8,

3736211.9, 1.7, 2.7, 0.0);
(398882.8, 3736211.9, 0.2, 2.1, 0.0); (398902.8,
3736211.9, 2.1, 2.1, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(398922.8, 3736211.9, 2.5, 2.5, 0.0); (398942.8,
3736211.9, 2.5, 2.5, 0.0);
(398962.8, 3736211.9, 2.4, 2.4, 0.0); (398982.8,
3736211.9, 2.5, 2.5, 0.0);
(399002.8, 3736211.9, 2.5, 2.5, 0.0); (399022.8,
3736211.9, 2.5, 2.5, 0.0);
(399042.8, 3736211.9, 2.3, 2.3, 0.0); (399062.8,
3736211.9, 1.8, 1.8, 0.0);
(399082.8, 3736211.9, 0.8, 0.8, 0.0); (399102.8,
3736211.9, 1.5, 2.2, 0.0);
(399122.8, 3736211.9, 2.3, 2.3, 0.0); (399142.8,
3736211.9, 2.4, 2.4, 0.0);
(399162.8, 3736211.9, 2.3, 2.3, 0.0); (399182.8,
3736211.9, 2.1, 2.1, 0.0);
(399202.8, 3736211.9, 2.3, 2.3, 0.0); (399222.8,
3736211.9, 2.6, 2.6, 0.0);
(399242.8, 3736211.9, 2.7, 2.7, 0.0); (399262.8,
3736211.9, 2.7, 2.7, 0.0);
(399282.8, 3736211.9, 2.6, 2.6, 0.0); (399302.8,
3736211.9, 2.5, 2.5, 0.0);
(399322.8, 3736211.9, 2.6, 2.6, 0.0); (399342.8,
3736211.9, 2.7, 2.7, 0.0);
(399362.8, 3736211.9, 2.8, 2.8, 0.0); (399382.8,
3736211.9, 2.8, 2.8, 0.0);
(399402.8, 3736211.9, 2.8, 2.8, 0.0); (399422.8,
3736211.9, 2.9, 2.9, 0.0);
(399442.8, 3736211.9, 2.9, 2.9, 0.0); (399462.8,
3736211.9, 3.0, 3.0, 0.0);
(399482.8, 3736211.9, 2.9, 2.9, 0.0); (399502.8,
3736211.9, 3.1, 3.1, 0.0);
(399522.8, 3736211.9, 3.1, 3.1, 0.0); (399542.8,
3736211.9, 3.2, 3.2, 0.0);
(399562.8, 3736211.9, 3.2, 3.2, 0.0); (399582.8,
3736211.9, 3.2, 3.2, 0.0);
(399602.8, 3736211.9, 3.1, 3.1, 0.0); (399622.8,

3736211.9, 3.2, 3.2, 0.0);
(399642.8, 3736211.9, 3.1, 3.1, 0.0); (399662.8,
3736211.9, 2.9, 2.9, 0.0);
(399682.8, 3736211.9, 2.8, 2.8, 0.0); (399702.8,
3736211.9, 2.7, 2.7, 0.0);
(399722.8, 3736211.9, 2.8, 2.8, 0.0); (399742.8,
3736211.9, 2.8, 2.8, 0.0);
(399762.8, 3736211.9, 2.7, 2.7, 0.0); (399782.8,
3736211.9, 2.5, 2.5, 0.0);
(399802.8, 3736211.9, 2.5, 2.5, 0.0); (399822.8,
3736211.9, 2.4, 2.4, 0.0);
(399842.8, 3736211.9, 2.5, 2.5, 0.0); (399862.8,
3736211.9, 2.7, 2.7, 0.0);
(399882.8, 3736211.9, 2.8, 2.8, 0.0); (399902.8,
3736211.9, 2.9, 2.9, 0.0);
(399922.8, 3736211.9, 2.9, 2.9, 0.0); (399942.8,
3736211.9, 2.8, 2.8, 0.0);
(399962.8, 3736211.9, 2.5, 2.5, 0.0); (399982.8,
3736211.9, 2.4, 2.4, 0.0);
(398682.8, 3736231.9, 1.2, 1.2, 0.0); (398702.8,
3736231.9, 2.8, 2.8, 0.0);
(398722.8, 3736231.9, 3.6, 3.6, 0.0); (398742.8,
3736231.9, 3.1, 3.1, 0.0);
(398762.8, 3736231.9, 3.3, 3.3, 0.0); (398782.8,
3736231.9, 3.5, 3.5, 0.0);
(398802.8, 3736231.9, 3.7, 3.7, 0.0); (398822.8,
3736231.9, 4.1, 4.1, 0.0);
(398842.8, 3736231.9, 3.4, 3.4, 0.0); (398862.8,
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(398882.8, 3736231.9, 0.5, 2.1, 0.0); (398902.8,
3736231.9, 2.2, 2.2, 0.0);
(398922.8, 3736231.9, 2.5, 2.5, 0.0); (398942.8,
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(398962.8, 3736231.9, 2.3, 2.3, 0.0); (398982.8,
3736231.9, 2.3, 2.3, 0.0);
(399002.8, 3736231.9, 2.4, 2.4, 0.0); (399022.8,
3736231.9, 2.5, 2.5, 0.0);
(399042.8, 3736231.9, 2.2, 2.2, 0.0); (399062.8,
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(399082.8, 3736231.9, 2.2, 2.2, 0.0); (399102.8,
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(399122.8, 3736231.9, 0.9, 1.9, 0.0); (399142.8,
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(399162.8, 3736231.9, 2.4, 2.4, 0.0); (399182.8,
3736231.9, 2.1, 2.1, 0.0);
(399202.8, 3736231.9, 2.5, 2.5, 0.0); (399222.8,
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(399242.8, 3736231.9, 2.7, 2.7, 0.0); (399262.8,
3736231.9, 2.6, 2.6, 0.0);
(399282.8, 3736231.9, 2.6, 2.6, 0.0); (399302.8,

3736231.9, 2.6, 2.6, 0.0);
 (399322.8, 3736231.9, 2.6, 2.6, 0.0); (399342.8,
 3736231.9, 2.6, 2.6, 0.0);
 (399362.8, 3736231.9, 2.7, 2.7, 0.0); (399382.8,
 3736231.9, 2.7, 2.7, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399402.8, 3736231.9, 2.8, 2.8, 0.0); (399422.8,
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 (399442.8, 3736231.9, 3.0, 3.0, 0.0); (399462.8,
 3736231.9, 3.0, 3.0, 0.0);
 (399482.8, 3736231.9, 3.0, 3.0, 0.0); (399502.8,
 3736231.9, 3.1, 3.1, 0.0);
 (399522.8, 3736231.9, 3.1, 3.1, 0.0); (399542.8,
 3736231.9, 3.1, 3.1, 0.0);
 (399562.8, 3736231.9, 3.1, 3.1, 0.0); (399582.8,
 3736231.9, 3.1, 3.1, 0.0);
 (399602.8, 3736231.9, 3.2, 3.2, 0.0); (399622.8,
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 (399642.8, 3736231.9, 3.1, 3.1, 0.0); (399662.8,
 3736231.9, 3.1, 3.1, 0.0);
 (399682.8, 3736231.9, 3.0, 3.0, 0.0); (399702.8,
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 (399722.8, 3736231.9, 2.6, 2.6, 0.0); (399742.8,
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 (399762.8, 3736231.9, 2.8, 2.8, 0.0); (399782.8,
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 (399802.8, 3736231.9, 2.5, 2.5, 0.0); (399822.8,
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 (399842.8, 3736231.9, 2.8, 2.8, 0.0); (399862.8,
 3736231.9, 2.8, 2.8, 0.0);
 (399882.8, 3736231.9, 2.9, 2.9, 0.0); (399902.8,
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 (399922.8, 3736231.9, 2.9, 2.9, 0.0); (399942.8,
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 (398702.8, 3736251.9, 2.9, 2.9, 0.0); (398722.8,
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 (398742.8, 3736251.9, 3.1, 3.1, 0.0);

3736251.9, 3.2, 3.2, 0.0);
(398782.8, 3736251.9, 3.2, 3.2, 0.0); (398802.8,
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(398822.8, 3736251.9, 3.8, 3.8, 0.0); (398842.8,
3736251.9, 3.5, 3.5, 0.0);
(398862.8, 3736251.9, 1.4, 3.9, 0.0); (398882.8,
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(398902.8, 3736251.9, 2.2, 2.2, 0.0); (398922.8,
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(398982.8, 3736251.9, 2.2, 2.2, 0.0); (399002.8,
3736251.9, 2.2, 2.2, 0.0);
(399022.8, 3736251.9, 2.2, 2.2, 0.0); (399042.8,
3736251.9, 2.4, 2.4, 0.0);
(399062.8, 3736251.9, 2.5, 2.5, 0.0); (399082.8,
3736251.9, 2.5, 2.5, 0.0);
(399102.8, 3736251.9, 2.4, 2.4, 0.0); (399122.8,
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(399142.8, 3736251.9, 0.7, 0.7, 0.0); (399162.8,
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(399182.8, 3736251.9, 2.2, 2.2, 0.0); (399202.8,
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(399222.8, 3736251.9, 2.5, 2.5, 0.0); (399242.8,
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(399342.8, 3736251.9, 2.7, 2.7, 0.0); (399362.8,
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(399382.8, 3736251.9, 2.7, 2.7, 0.0); (399402.8,
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(399422.8, 3736251.9, 2.8, 2.8, 0.0); (399442.8,
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(399542.8, 3736251.9, 3.1, 3.1, 0.0); (399562.8,
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(399582.8, 3736251.9, 3.0, 3.0, 0.0); (399602.8,
3736251.9, 3.1, 3.1, 0.0);
(399622.8, 3736251.9, 3.2, 3.2, 0.0); (399642.8,
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(399662.8, 3736251.9, 3.1, 3.1, 0.0); (399682.8,
3736251.9, 3.1, 3.1, 0.0);
(399702.8, 3736251.9, 3.0, 3.0, 0.0); (399722.8,
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(399742.8, 3736251.9, 2.6, 2.6, 0.0); (399762.8,

3736251.9, 2.6, 2.6, 0.0);
 (399782.8, 3736251.9, 2.4, 2.4, 0.0); (399802.8,
 3736251.9, 2.7, 2.7, 0.0);
 (399822.8, 3736251.9, 3.0, 3.0, 0.0); (399842.8,
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 (399862.8, 3736251.9, 2.9, 2.9, 0.0); (399882.8,
 3736251.9, 2.9, 2.9, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399902.8, 3736251.9, 2.9, 2.9, 0.0); (399922.8,
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 (399942.8, 3736251.9, 2.9, 2.9, 0.0); (399962.8,
 3736251.9, 2.8, 2.8, 0.0);
 (398682.8, 3736271.9, 1.2, 1.2, 0.0); (398702.8,
 3736271.9, 3.0, 3.0, 0.0);
 (398722.8, 3736271.9, 3.6, 3.6, 0.0); (398742.8,
 3736271.9, 3.4, 3.4, 0.0);
 (398762.8, 3736271.9, 2.9, 2.9, 0.0); (398782.8,
 3736271.9, 2.9, 2.9, 0.0);
 (398802.8, 3736271.9, 3.2, 3.2, 0.0); (398822.8,
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 (398842.8, 3736271.9, 3.5, 4.0, 0.0); (398862.8,
 3736271.9, 1.2, 4.0, 0.0);
 (398882.8, 3736271.9, 1.1, 2.2, 0.0); (398902.8,
 3736271.9, 2.3, 2.3, 0.0);
 (398922.8, 3736271.9, 2.6, 2.6, 0.0); (398942.8,
 3736271.9, 2.5, 2.5, 0.0);
 (398962.8, 3736271.9, 2.3, 2.3, 0.0); (398982.8,
 3736271.9, 2.2, 2.2, 0.0);
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 (399042.8, 3736271.9, 2.3, 2.3, 0.0); (399062.8,
 3736271.9, 2.5, 2.5, 0.0);
 (399082.8, 3736271.9, 2.6, 2.6, 0.0); (399102.8,
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 (399122.8, 3736271.9, 2.5, 2.5, 0.0); (399142.8,
 3736271.9, 2.0, 2.0, 0.0);
 (399162.8, 3736271.9, 1.2, 1.2, 0.0); (399182.8,
 3736271.9, 1.1, 1.1, 0.0);
 (399202.8, 3736271.9, 2.1, 2.1, 0.0); (399222.8,

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(399242.8, 3736271.9, 2.5, 2.5, 0.0); (399262.8,
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(399282.8, 3736271.9, 2.6, 2.6, 0.0); (399302.8,
3736271.9, 2.8, 2.8, 0.0);
(399322.8, 3736271.9, 2.8, 2.8, 0.0); (399342.8,
3736271.9, 2.8, 2.8, 0.0);
(399362.8, 3736271.9, 2.8, 2.8, 0.0); (399382.8,
3736271.9, 2.8, 2.8, 0.0);
(399402.8, 3736271.9, 2.8, 2.8, 0.0); (399422.8,
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(399442.8, 3736271.9, 2.8, 2.8, 0.0); (399462.8,
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(399482.8, 3736271.9, 3.0, 3.0, 0.0); (399502.8,
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(399522.8, 3736271.9, 2.9, 2.9, 0.0); (399542.8,
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(399562.8, 3736271.9, 3.1, 3.1, 0.0); (399582.8,
3736271.9, 3.1, 3.1, 0.0);
(399602.8, 3736271.9, 3.0, 3.0, 0.0); (399622.8,
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(399642.8, 3736271.9, 3.1, 3.1, 0.0); (399662.8,
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(399682.8, 3736271.9, 3.0, 3.0, 0.0); (399702.8,
3736271.9, 3.0, 3.0, 0.0);
(399722.8, 3736271.9, 2.8, 2.8, 0.0); (399742.8,
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(399762.8, 3736271.9, 2.5, 2.5, 0.0); (399782.8,
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(399802.8, 3736271.9, 2.8, 2.8, 0.0); (399822.8,
3736271.9, 3.0, 3.0, 0.0);
(399842.8, 3736271.9, 3.0, 3.0, 0.0); (399862.8,
3736271.9, 3.0, 3.0, 0.0);
(399882.8, 3736271.9, 3.0, 3.0, 0.0); (399902.8,
3736271.9, 2.9, 2.9, 0.0);
(399922.8, 3736271.9, 2.9, 2.9, 0.0); (398682.8,
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(398702.8, 3736291.9, 3.2, 3.2, 0.0); (398722.8,
3736291.9, 3.7, 3.7, 0.0);
(398742.8, 3736291.9, 3.0, 3.0, 0.0); (398762.8,
3736291.9, 3.1, 3.1, 0.0);
(398782.8, 3736291.9, 3.1, 3.1, 0.0); (398802.8,
3736291.9, 2.6, 3.8, 0.0);
(398822.8, 3736291.9, 3.8, 3.8, 0.0); (398842.8,
3736291.9, 3.4, 3.4, 0.0);
(398862.8, 3736291.9, 1.0, 3.9, 0.0); (398882.8,
3736291.9, 1.4, 2.3, 0.0);
(398902.8, 3736291.9, 2.4, 2.4, 0.0); (398922.8,
3736291.9, 2.7, 2.7, 0.0);
(398942.8, 3736291.9, 2.7, 2.7, 0.0); (398962.8,

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3736291.9,      2.6,      2.6,      0.0);
( 398982.8, 3736291.9,      2.3,      2.3,      0.0);      ( 399002.8,
3736291.9,      2.2,      2.2,      0.0);
( 399022.8, 3736291.9,      2.2,      2.2,      0.0);      ( 399042.8,
3736291.9,      2.2,      2.2,      0.0);
( 399062.8, 3736291.9,      2.3,      2.3,      0.0);      ( 399082.8,
3736291.9,      2.4,      2.4,      0.0);
( 399102.8, 3736291.9,      2.5,      2.5,      0.0);      ( 399122.8,
3736291.9,      2.5,      2.5,      0.0);

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▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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3736291.9,      0.9,      0.9,      0.0);
( 399222.8, 3736291.9,      1.7,      1.7,      0.0);      ( 399242.8,
3736291.9,      2.3,      2.3,      0.0);
( 399262.8, 3736291.9,      2.6,      2.6,      0.0);      ( 399282.8,
3736291.9,      2.7,      2.7,      0.0);
( 399302.8, 3736291.9,      2.8,      2.8,      0.0);      ( 399322.8,
3736291.9,      2.8,      2.8,      0.0);
( 399342.8, 3736291.9,      2.8,      2.8,      0.0);      ( 399362.8,
3736291.9,      2.8,      2.8,      0.0);
( 399382.8, 3736291.9,      2.8,      2.8,      0.0);      ( 399402.8,
3736291.9,      2.8,      2.8,      0.0);
( 399422.8, 3736291.9,      2.7,      2.7,      0.0);      ( 399442.8,
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( 399462.8, 3736291.9,      2.7,      2.7,      0.0);      ( 399482.8,
3736291.9,      2.7,      2.7,      0.0);
( 399502.8, 3736291.9,      2.8,      2.8,      0.0);      ( 399522.8,
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( 399542.8, 3736291.9,      3.0,      3.0,      0.0);      ( 399562.8,
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( 399582.8, 3736291.9,      3.1,      3.1,      0.0);      ( 399602.8,
3736291.9,      3.1,      3.1,      0.0);
( 399622.8, 3736291.9,      3.0,      3.0,      0.0);      ( 399642.8,
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( 399662.8, 3736291.9,      3.0,      3.0,      0.0);      ( 399682.8,
3736291.9,      3.0,      3.0,      0.0);
( 399702.8, 3736291.9,      2.8,      2.8,      0.0);      ( 399722.8,

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(399782.8, 3736291.9, 2.8, 2.8, 0.0); (399802.8,
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(399082.8, 3736311.9, 2.3, 2.3, 0.0); (399102.8,
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(399122.8, 3736311.9, 2.5, 2.5, 0.0); (399142.8,
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(399162.8, 3736311.9, 2.6, 2.6, 0.0); (399182.8,
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(399202.8, 3736311.9, 2.2, 2.2, 0.0); (399222.8,
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(399242.8, 3736311.9, 1.2, 1.6, 0.0); (399262.8,
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(399282.8, 3736311.9, 2.7, 2.7, 0.0); (399302.8,
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(399322.8, 3736311.9, 2.8, 2.8, 0.0); (399342.8,
3736311.9, 2.8, 2.8, 0.0);
(399362.8, 3736311.9, 2.8, 2.8, 0.0); (399382.8,
3736311.9, 2.8, 2.8, 0.0);
(399402.8, 3736311.9, 2.8, 2.8, 0.0); (399422.8,
3736311.9, 2.7, 2.7, 0.0);
(399442.8, 3736311.9, 2.7, 2.7, 0.0); (399462.8,

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3736311.9,      2.7,      2.7,      0.0);
  ( 399482.8, 3736311.9,      2.6,      2.6,      0.0);      ( 399502.8,
3736311.9,      2.7,      2.7,      0.0);
  ( 399522.8, 3736311.9,      2.8,      2.8,      0.0);      ( 399542.8,
3736311.9,      2.9,      2.9,      0.0);
  ( 399562.8, 3736311.9,      3.0,      3.0,      0.0);      ( 399582.8,
3736311.9,      2.9,      2.9,      0.0);
  ( 399602.8, 3736311.9,      2.8,      2.8,      0.0);      ( 399622.8,
3736311.9,      3.0,      3.0,      0.0);
  ( 399642.8, 3736311.9,      2.9,      2.9,      0.0);      ( 399662.8,
3736311.9,      2.9,      2.9,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 399682.8, 3736311.9,      2.9,      2.9,      0.0);      ( 399702.8,
3736311.9,      2.7,      2.7,      0.0);
  ( 399722.8, 3736311.9,      2.8,      2.8,      0.0);      ( 399742.8,
3736311.9,      2.4,      2.4,      0.0);
  ( 399762.8, 3736311.9,      2.4,      2.4,      0.0);      ( 399782.8,
3736311.9,      2.7,      2.7,      0.0);
  ( 399802.8, 3736311.9,      2.9,      2.9,      0.0);      ( 399822.8,
3736311.9,      3.0,      3.0,      0.0);
  ( 399842.8, 3736311.9,      3.0,      3.0,      0.0);      ( 399862.8,
3736311.9,      2.9,      2.9,      0.0);
  ( 399882.8, 3736311.9,      2.8,      2.8,      0.0);      ( 399902.8,
3736311.9,      2.7,      2.7,      0.0);
  ( 399922.8, 3736311.9,      2.5,      2.5,      0.0);      ( 398682.8,
3736331.9,      1.2,      3.4,      0.0);
  ( 398702.8, 3736331.9,      3.3,      3.3,      0.0);      ( 398722.8,
3736331.9,      3.7,      3.7,      0.0);
  ( 398742.8, 3736331.9,      3.2,      3.2,      0.0);      ( 398762.8,
3736331.9,      3.3,      3.3,      0.0);
  ( 398782.8, 3736331.9,      3.0,      3.0,      0.0);      ( 398802.8,
3736331.9,      3.0,      3.0,      0.0);
  ( 398822.8, 3736331.9,      3.0,      3.0,      0.0);      ( 398842.8,
3736331.9,      3.1,      3.1,      0.0);
  ( 398862.8, 3736331.9,      0.5,      3.3,      0.0);      ( 398882.8,
3736331.9,      1.8,      1.9,      0.0);
  ( 398902.8, 3736331.9,      2.4,      2.4,      0.0);      ( 398922.8,
3736331.9,      2.5,      2.5,      0.0);
  ( 398942.8, 3736331.9,      2.6,      2.6,      0.0);      ( 398962.8,

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3736331.9, 2.7, 2.7, 0.0);
(398982.8, 3736331.9, 2.7, 2.7, 0.0); (399002.8,
3736331.9, 2.5, 2.5, 0.0);
(399022.8, 3736331.9, 2.5, 2.5, 0.0); (399042.8,
3736331.9, 2.4, 2.4, 0.0);
(399062.8, 3736331.9, 2.4, 2.4, 0.0); (399082.8,
3736331.9, 2.4, 2.4, 0.0);
(399102.8, 3736331.9, 2.5, 2.5, 0.0); (399122.8,
3736331.9, 2.4, 2.4, 0.0);
(399142.8, 3736331.9, 2.3, 2.3, 0.0); (399162.8,
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3736331.9, 2.5, 2.5, 0.0);
(399222.8, 3736331.9, 2.5, 2.5, 0.0); (399242.8,
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(399302.8, 3736331.9, 2.5, 2.5, 0.0); (399322.8,
3736331.9, 2.6, 2.6, 0.0);
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(399382.8, 3736331.9, 2.8, 2.8, 0.0); (399402.8,
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(399582.8, 3736331.9, 2.9, 2.9, 0.0); (399602.8,
3736331.9, 2.9, 2.9, 0.0);
(399622.8, 3736331.9, 2.9, 2.9, 0.0); (399642.8,
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(399662.8, 3736331.9, 2.8, 2.8, 0.0); (399682.8,
3736331.9, 2.8, 2.8, 0.0);
(399702.8, 3736331.9, 2.8, 2.8, 0.0); (399722.8,
3736331.9, 2.4, 2.4, 0.0);
(399742.8, 3736331.9, 2.3, 2.3, 0.0); (399762.8,
3736331.9, 2.5, 2.5, 0.0);
(399782.8, 3736331.9, 2.7, 2.7, 0.0); (399802.8,
3736331.9, 2.9, 2.9, 0.0);
(399822.8, 3736331.9, 3.0, 3.0, 0.0); (399842.8,
3736331.9, 3.0, 3.0, 0.0);
(399862.8, 3736331.9, 2.8, 2.8, 0.0); (399882.8,
3736331.9, 2.7, 2.7, 0.0);
(399902.8, 3736331.9, 2.5, 2.5, 0.0); (399922.8,
3736331.9, 2.5, 2.5, 0.0);
(399982.8, 3736331.9, 3.0, 3.0, 0.0); (400162.8,

3736331.9, 3.5, 3.5, 0.0);
 (400182.8, 3736331.9, 3.3, 3.3, 0.0); (398682.8,
 3736351.9, 1.2, 3.5, 0.0);
 (398702.8, 3736351.9, 3.4, 3.4, 0.0); (398722.8,
 3736351.9, 3.7, 3.7, 0.0);
 (398742.8, 3736351.9, 3.3, 3.3, 0.0); (398762.8,
 3736351.9, 3.1, 3.1, 0.0);
 (398782.8, 3736351.9, 3.1, 3.1, 0.0); (398802.8,
 3736351.9, 3.0, 3.0, 0.0);
 (398822.8, 3736351.9, 3.2, 3.2, 0.0); (398842.8,
 3736351.9, 3.1, 3.1, 0.0);
 (398862.8, 3736351.9, 0.2, 3.7, 0.0); (398882.8,
 3736351.9, 1.9, 2.1, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(398902.8, 3736351.9, 2.5, 2.5, 0.0); (398922.8,
 3736351.9, 2.7, 2.7, 0.0);
 (398942.8, 3736351.9, 2.7, 2.7, 0.0); (398962.8,
 3736351.9, 2.7, 2.7, 0.0);
 (398982.8, 3736351.9, 2.7, 2.7, 0.0); (399002.8,
 3736351.9, 2.8, 2.8, 0.0);
 (399022.8, 3736351.9, 2.8, 2.8, 0.0); (399042.8,
 3736351.9, 2.8, 2.8, 0.0);
 (399062.8, 3736351.9, 2.6, 2.6, 0.0); (399082.8,
 3736351.9, 2.6, 2.6, 0.0);
 (399102.8, 3736351.9, 2.5, 2.5, 0.0); (399122.8,
 3736351.9, 2.3, 2.3, 0.0);
 (399142.8, 3736351.9, 2.4, 2.4, 0.0); (399162.8,
 3736351.9, 2.6, 2.6, 0.0);
 (399182.8, 3736351.9, 2.6, 2.6, 0.0); (399202.8,
 3736351.9, 2.6, 2.6, 0.0);
 (399222.8, 3736351.9, 2.6, 2.6, 0.0); (399242.8,
 3736351.9, 2.5, 2.5, 0.0);
 (399262.8, 3736351.9, 2.1, 2.1, 0.0); (399282.8,
 3736351.9, 1.1, 2.2, 0.0);
 (399302.8, 3736351.9, 1.4, 1.8, 0.0); (399322.8,
 3736351.9, 2.5, 2.5, 0.0);
 (399342.8, 3736351.9, 2.7, 2.7, 0.0); (399362.8,
 3736351.9, 2.8, 2.8, 0.0);
 (399382.8, 3736351.9, 2.7, 2.7, 0.0); (399402.8,

3736351.9, 2.7, 2.7, 0.0);
(399422.8, 3736351.9, 2.7, 2.7, 0.0); (399442.8,
3736351.9, 2.7, 2.7, 0.0);
(399462.8, 3736351.9, 2.7, 2.7, 0.0); (399482.8,
3736351.9, 2.6, 2.6, 0.0);
(399502.8, 3736351.9, 2.5, 2.5, 0.0); (399522.8,
3736351.9, 2.5, 2.5, 0.0);
(399542.8, 3736351.9, 2.5, 2.5, 0.0); (399562.8,
3736351.9, 2.5, 2.5, 0.0);
(399582.8, 3736351.9, 2.7, 2.7, 0.0); (399602.8,
3736351.9, 2.9, 2.9, 0.0);
(399622.8, 3736351.9, 2.8, 2.8, 0.0); (399642.8,
3736351.9, 2.9, 2.9, 0.0);
(399662.8, 3736351.9, 2.7, 2.7, 0.0); (399682.8,
3736351.9, 2.7, 2.7, 0.0);
(399702.8, 3736351.9, 2.6, 2.6, 0.0); (399722.8,
3736351.9, 2.4, 2.4, 0.0);
(399742.8, 3736351.9, 2.4, 2.4, 0.0); (399762.8,
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(399782.8, 3736351.9, 2.8, 2.8, 0.0); (399802.8,
3736351.9, 2.9, 2.9, 0.0);
(399822.8, 3736351.9, 3.0, 3.0, 0.0); (399842.8,
3736351.9, 2.9, 2.9, 0.0);
(399862.8, 3736351.9, 2.9, 2.9, 0.0); (399882.8,
3736351.9, 2.6, 2.6, 0.0);
(399902.8, 3736351.9, 2.4, 2.4, 0.0); (399922.8,
3736351.9, 2.6, 2.6, 0.0);
(399942.8, 3736351.9, 2.6, 2.6, 0.0); (399962.8,
3736351.9, 3.0, 3.0, 0.0);
(399982.8, 3736351.9, 3.1, 3.1, 0.0); (400002.8,
3736351.9, 3.2, 3.2, 0.0);
(400022.8, 3736351.9, 3.2, 3.2, 0.0); (400042.8,
3736351.9, 3.2, 3.2, 0.0);
(400062.8, 3736351.9, 3.2, 3.2, 0.0); (400082.8,
3736351.9, 2.9, 2.9, 0.0);
(400102.8, 3736351.9, 3.0, 3.0, 0.0); (400122.8,
3736351.9, 3.7, 3.7, 0.0);
(400142.8, 3736351.9, 3.8, 3.8, 0.0); (400162.8,
3736351.9, 3.8, 3.8, 0.0);
(400182.8, 3736351.9, 3.6, 3.6, 0.0); (398682.8,
3736371.9, 1.3, 3.5, 0.0);
(398702.8, 3736371.9, 3.4, 3.4, 0.0); (398722.8,
3736371.9, 3.3, 3.3, 0.0);
(398742.8, 3736371.9, 2.8, 3.4, 0.0); (398762.8,
3736371.9, 3.1, 3.1, 0.0);
(398782.8, 3736371.9, 3.3, 3.3, 0.0); (398802.8,
3736371.9, 3.4, 3.4, 0.0);
(398822.8, 3736371.9, 3.0, 3.0, 0.0); (398842.8,
3736371.9, 3.1, 3.1, 0.0);
(398862.8, 3736371.9, 0.2, 3.6, 0.0); (398882.8,

3736371.9, 2.1, 2.3, 0.0);
 (398902.8, 3736371.9, 2.5, 2.5, 0.0); (398922.8,
 3736371.9, 2.7, 2.7, 0.0);
 (398942.8, 3736371.9, 2.7, 2.7, 0.0); (398962.8,
 3736371.9, 2.7, 2.7, 0.0);
 (398982.8, 3736371.9, 2.7, 2.7, 0.0); (399002.8,
 3736371.9, 2.7, 2.7, 0.0);
 (399022.8, 3736371.9, 2.7, 2.7, 0.0); (399042.8,
 3736371.9, 2.7, 2.7, 0.0);
 (399062.8, 3736371.9, 2.6, 2.6, 0.0); (399082.8,
 3736371.9, 2.4, 2.4, 0.0);
 (399102.8, 3736371.9, 2.3, 2.3, 0.0); (399122.8,
 3736371.9, 2.5, 2.5, 0.0);
 (399142.8, 3736371.9, 2.7, 2.7, 0.0); (399162.8,
 3736371.9, 2.5, 2.5, 0.0);

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399182.8, 3736371.9, 2.6, 2.6, 0.0); (399202.8,
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 (399222.8, 3736371.9, 2.6, 2.6, 0.0); (399242.8,
 3736371.9, 2.3, 2.3, 0.0);
 (399262.8, 3736371.9, 2.5, 2.5, 0.0); (399282.8,
 3736371.9, 2.5, 2.5, 0.0);
 (399302.8, 3736371.9, 1.7, 1.7, 0.0); (399322.8,
 3736371.9, 1.0, 1.0, 0.0);
 (399342.8, 3736371.9, 2.1, 2.1, 0.0); (399362.8,
 3736371.9, 2.6, 2.6, 0.0);
 (399382.8, 3736371.9, 2.6, 2.6, 0.0); (399402.8,
 3736371.9, 2.6, 2.6, 0.0);
 (399422.8, 3736371.9, 2.7, 2.7, 0.0); (399442.8,
 3736371.9, 2.7, 2.7, 0.0);
 (399462.8, 3736371.9, 2.8, 2.8, 0.0); (399482.8,
 3736371.9, 2.7, 2.7, 0.0);
 (399502.8, 3736371.9, 2.6, 2.6, 0.0); (399522.8,
 3736371.9, 2.5, 2.5, 0.0);
 (399542.8, 3736371.9, 2.4, 2.4, 0.0); (399562.8,
 3736371.9, 2.5, 2.5, 0.0);
 (399582.8, 3736371.9, 2.4, 2.4, 0.0); (399602.8,
 3736371.9, 2.5, 2.5, 0.0);
 (399622.8, 3736371.9, 2.7, 2.7, 0.0); (399642.8,

3736371.9, 2.8, 2.8, 0.0);
(399662.8, 3736371.9, 2.7, 2.7, 0.0); (399682.8,
3736371.9, 2.6, 2.6, 0.0);
(399702.8, 3736371.9, 2.4, 2.4, 0.0); (399722.8,
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(399742.8, 3736371.9, 2.9, 2.9, 0.0); (399762.8,
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(399782.8, 3736371.9, 2.9, 2.9, 0.0); (399802.8,
3736371.9, 3.0, 3.0, 0.0);
(399822.8, 3736371.9, 3.0, 3.0, 0.0); (399842.8,
3736371.9, 3.0, 3.0, 0.0);
(399862.8, 3736371.9, 2.9, 2.9, 0.0); (399882.8,
3736371.9, 2.6, 2.6, 0.0);
(399902.8, 3736371.9, 2.5, 2.5, 0.0); (399922.8,
3736371.9, 2.6, 2.6, 0.0);
(399942.8, 3736371.9, 2.8, 2.8, 0.0); (399962.8,
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(400062.8, 3736371.9, 3.2, 3.2, 0.0); (400082.8,
3736371.9, 2.9, 2.9, 0.0);
(400102.8, 3736371.9, 2.8, 2.8, 0.0); (400122.8,
3736371.9, 3.2, 3.2, 0.0);
(400142.8, 3736371.9, 3.6, 3.6, 0.0); (400162.8,
3736371.9, 3.8, 3.8, 0.0);
(400182.8, 3736371.9, 3.6, 3.6, 0.0); (398682.8,
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(398702.8, 3736391.9, 3.4, 3.4, 0.0); (398722.8,
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(398742.8, 3736391.9, 2.9, 2.9, 0.0); (398762.8,
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(398782.8, 3736391.9, 3.4, 3.4, 0.0); (398802.8,
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(398862.8, 3736391.9, 0.1, 4.2, 0.0); (398882.8,
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(398902.8, 3736391.9, 2.4, 2.4, 0.0); (398922.8,
3736391.9, 2.4, 2.4, 0.0);
(398942.8, 3736391.9, 2.4, 2.4, 0.0); (398962.8,
3736391.9, 2.5, 2.5, 0.0);
(398982.8, 3736391.9, 2.7, 2.7, 0.0); (399002.8,
3736391.9, 2.7, 2.7, 0.0);
(399022.8, 3736391.9, 2.6, 2.6, 0.0); (399042.8,
3736391.9, 2.5, 2.5, 0.0);
(399062.8, 3736391.9, 2.4, 2.4, 0.0); (399082.8,
3736391.9, 2.5, 2.5, 0.0);
(399102.8, 3736391.9, 2.7, 2.7, 0.0); (399122.8,

3736391.9, 2.7, 2.7, 0.0);
 (399142.8, 3736391.9, 2.5, 2.5, 0.0); (399162.8,
 3736391.9, 2.4, 2.4, 0.0);
 (399182.8, 3736391.9, 2.5, 2.5, 0.0); (399202.8,
 3736391.9, 2.6, 2.6, 0.0);
 (399222.8, 3736391.9, 2.4, 2.4, 0.0); (399242.8,
 3736391.9, 2.5, 2.5, 0.0);
 (399262.8, 3736391.9, 2.6, 2.6, 0.0); (399282.8,
 3736391.9, 2.5, 2.5, 0.0);
 (399302.8, 3736391.9, 2.6, 2.6, 0.0); (399322.8,
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 (399342.8, 3736391.9, 1.1, 2.2, 0.0); (399362.8,
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 (399382.8, 3736391.9, 2.4, 2.4, 0.0); (399402.8,
 3736391.9, 2.6, 2.6, 0.0);
 (399422.8, 3736391.9, 2.7, 2.7, 0.0); (399442.8,
 3736391.9, 2.6, 2.6, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399462.8, 3736391.9, 2.6, 2.6, 0.0); (399482.8,
 3736391.9, 2.6, 2.6, 0.0);
 (399502.8, 3736391.9, 2.8, 2.8, 0.0); (399522.8,
 3736391.9, 2.6, 2.6, 0.0);
 (399542.8, 3736391.9, 2.4, 2.4, 0.0); (399562.8,
 3736391.9, 2.4, 2.4, 0.0);
 (399582.8, 3736391.9, 2.4, 2.4, 0.0); (399602.8,
 3736391.9, 2.3, 2.3, 0.0);
 (399622.8, 3736391.9, 2.4, 2.4, 0.0); (399642.8,
 3736391.9, 2.6, 2.6, 0.0);
 (399662.8, 3736391.9, 2.7, 2.7, 0.0); (399682.8,
 3736391.9, 2.3, 2.3, 0.0);
 (399702.8, 3736391.9, 2.5, 2.5, 0.0); (399722.8,
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 (399742.8, 3736391.9, 3.0, 3.0, 0.0); (399762.8,
 3736391.9, 3.0, 3.0, 0.0);
 (399782.8, 3736391.9, 2.9, 2.9, 0.0); (399802.8,
 3736391.9, 3.0, 3.0, 0.0);
 (399822.8, 3736391.9, 3.0, 3.0, 0.0); (399842.8,
 3736391.9, 2.8, 2.8, 0.0);
 (399862.8, 3736391.9, 2.7, 2.7, 0.0); (399882.8,

3736391.9, 2.5, 2.5, 0.0);
(399902.8, 3736391.9, 2.5, 2.5, 0.0); (399922.8,
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(399942.8, 3736391.9, 3.1, 3.1, 0.0); (399962.8,
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(399982.8, 3736391.9, 3.2, 3.2, 0.0); (400002.8,
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(400062.8, 3736391.9, 3.2, 3.2, 0.0); (400082.8,
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(400102.8, 3736391.9, 2.8, 2.8, 0.0); (400122.8,
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(400142.8, 3736391.9, 3.1, 3.1, 0.0); (400162.8,
3736391.9, 3.4, 3.4, 0.0);
(400182.8, 3736391.9, 3.5, 3.5, 0.0); (398682.8,
3736411.9, 1.3, 3.6, 0.0);
(398702.8, 3736411.9, 3.5, 3.5, 0.0); (398722.8,
3736411.9, 3.4, 3.4, 0.0);
(398742.8, 3736411.9, 3.2, 3.2, 0.0); (398762.8,
3736411.9, 3.5, 3.5, 0.0);
(398782.8, 3736411.9, 3.4, 3.4, 0.0); (398802.8,
3736411.9, 3.4, 3.4, 0.0);
(398822.8, 3736411.9, 3.5, 3.5, 0.0); (398842.8,
3736411.9, 3.1, 4.2, 0.0);
(398862.8, 3736411.9, 0.2, 4.4, 0.0); (398882.8,
3736411.9, 2.2, 2.2, 0.0);
(398902.8, 3736411.9, 2.3, 2.3, 0.0); (398922.8,
3736411.9, 2.3, 2.3, 0.0);
(398942.8, 3736411.9, 2.4, 2.4, 0.0); (398962.8,
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(398982.8, 3736411.9, 2.6, 2.6, 0.0); (399002.8,
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(399062.8, 3736411.9, 2.7, 2.7, 0.0); (399082.8,
3736411.9, 2.7, 2.7, 0.0);
(399102.8, 3736411.9, 2.6, 2.6, 0.0); (399122.8,
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(399222.8, 3736411.9, 2.4, 2.4, 0.0); (399242.8,
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(399262.8, 3736411.9, 2.6, 2.6, 0.0); (399282.8,
3736411.9, 2.7, 2.7, 0.0);
(399302.8, 3736411.9, 2.6, 2.6, 0.0); (399322.8,
3736411.9, 2.6, 2.6, 0.0);
(399342.8, 3736411.9, 2.5, 2.5, 0.0); (399362.8,

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 (399382.8, 3736411.9, 1.1, 1.1, 0.0); (399402.8,
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 (399422.8, 3736411.9, 2.7, 2.7, 0.0); (399442.8,
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 (399462.8, 3736411.9, 2.5, 2.5, 0.0); (399482.8,
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 (399502.8, 3736411.9, 2.7, 2.7, 0.0); (399522.8,
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 (399542.8, 3736411.9, 2.5, 2.5, 0.0); (399562.8,
 3736411.9, 2.4, 2.4, 0.0);
 (399582.8, 3736411.9, 2.3, 2.3, 0.0); (399602.8,
 3736411.9, 2.2, 2.2, 0.0);
 (399622.8, 3736411.9, 2.3, 2.3, 0.0); (399642.8,
 3736411.9, 2.4, 2.4, 0.0);
 (399662.8, 3736411.9, 2.4, 2.4, 0.0); (399682.8,
 3736411.9, 2.3, 2.3, 0.0);
 (399702.8, 3736411.9, 2.7, 2.7, 0.0); (399722.8,
 3736411.9, 2.9, 2.9, 0.0);

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399742.8, 3736411.9, 3.0, 3.0, 0.0); (399762.8,
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 (399782.8, 3736411.9, 2.9, 2.9, 0.0); (399802.8,
 3736411.9, 2.9, 2.9, 0.0);
 (399822.8, 3736411.9, 2.9, 2.9, 0.0); (399842.8,
 3736411.9, 2.8, 2.8, 0.0);
 (399862.8, 3736411.9, 2.5, 2.5, 0.0); (399882.8,
 3736411.9, 2.4, 2.4, 0.0);
 (399902.8, 3736411.9, 2.4, 2.4, 0.0); (399922.8,
 3736411.9, 2.6, 2.6, 0.0);
 (399942.8, 3736411.9, 3.0, 3.0, 0.0); (399962.8,
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 (399982.8, 3736411.9, 3.2, 3.2, 0.0); (400002.8,
 3736411.9, 3.1, 3.1, 0.0);
 (400022.8, 3736411.9, 3.0, 3.0, 0.0); (400042.8,
 3736411.9, 2.9, 2.9, 0.0);
 (400062.8, 3736411.9, 2.7, 2.7, 0.0); (400082.8,
 3736411.9, 2.7, 2.7, 0.0);
 (400102.8, 3736411.9, 2.9, 2.9, 0.0); (400122.8,

3736411.9, 3.0, 3.0, 0.0);
(400142.8, 3736411.9, 3.1, 3.1, 0.0); (400162.8,
3736411.9, 3.2, 3.2, 0.0);
(400182.8, 3736411.9, 3.3, 3.3, 0.0); (398682.8,
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(398702.8, 3736431.9, 3.6, 3.6, 0.0); (398722.8,
3736431.9, 4.2, 4.2, 0.0);
(398742.8, 3736431.9, 4.1, 4.1, 0.0); (398762.8,
3736431.9, 4.0, 4.0, 0.0);
(398782.8, 3736431.9, 3.8, 3.8, 0.0); (398802.8,
3736431.9, 3.4, 3.4, 0.0);
(398822.8, 3736431.9, 4.2, 4.2, 0.0); (398842.8,
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(398862.8, 3736431.9, 0.1, 4.4, 0.0); (398882.8,
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(398902.8, 3736431.9, 2.3, 2.3, 0.0); (398922.8,
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(398942.8, 3736431.9, 2.4, 2.4, 0.0); (398962.8,
3736431.9, 2.4, 2.4, 0.0);
(398982.8, 3736431.9, 2.7, 2.7, 0.0); (399002.8,
3736431.9, 2.5, 2.5, 0.0);
(399022.8, 3736431.9, 2.4, 2.4, 0.0); (399042.8,
3736431.9, 2.7, 2.7, 0.0);
(399062.8, 3736431.9, 2.7, 2.7, 0.0); (399082.8,
3736431.9, 2.7, 2.7, 0.0);
(399102.8, 3736431.9, 2.7, 2.7, 0.0); (399122.8,
3736431.9, 2.7, 2.7, 0.0);
(399142.8, 3736431.9, 2.4, 2.4, 0.0); (399162.8,
3736431.9, 2.3, 2.3, 0.0);
(399182.8, 3736431.9, 2.3, 2.3, 0.0); (399202.8,
3736431.9, 2.3, 2.3, 0.0);
(399222.8, 3736431.9, 2.4, 2.4, 0.0); (399242.8,
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(399262.8, 3736431.9, 2.7, 2.7, 0.0); (399282.8,
3736431.9, 2.7, 2.7, 0.0);
(399302.8, 3736431.9, 2.8, 2.8, 0.0); (399322.8,
3736431.9, 2.8, 2.8, 0.0);
(399342.8, 3736431.9, 2.8, 2.8, 0.0); (399362.8,
3736431.9, 2.7, 2.7, 0.0);
(399382.8, 3736431.9, 2.3, 2.3, 0.0); (399402.8,
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(399422.8, 3736431.9, 1.7, 2.1, 0.0); (399442.8,
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(399462.8, 3736431.9, 2.6, 2.6, 0.0); (399482.8,
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(399502.8, 3736431.9, 2.6, 2.6, 0.0); (399522.8,
3736431.9, 2.7, 2.7, 0.0);
(399542.8, 3736431.9, 2.6, 2.6, 0.0); (399562.8,
3736431.9, 2.5, 2.5, 0.0);
(399582.8, 3736431.9, 2.4, 2.4, 0.0); (399602.8,

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3736431.9,      2.3,      2.3,      0.0);
  ( 399662.8, 3736431.9,      2.2,      2.2,      0.0);      ( 399682.8,
3736431.9,      2.3,      2.3,      0.0);
  ( 399702.8, 3736431.9,      2.7,      2.7,      0.0);      ( 399722.8,
3736431.9,      2.9,      2.9,      0.0);
  ( 399742.8, 3736431.9,      2.9,      2.9,      0.0);      ( 399762.8,
3736431.9,      2.9,      2.9,      0.0);
  ( 399782.8, 3736431.9,      2.8,      2.8,      0.0);      ( 399802.8,
3736431.9,      2.7,      2.7,      0.0);
  ( 399822.8, 3736431.9,      2.6,      2.6,      0.0);      ( 399842.8,
3736431.9,      2.4,      2.4,      0.0);
  ( 399862.8, 3736431.9,      2.4,      2.4,      0.0);      ( 399882.8,
3736431.9,      2.4,      2.4,      0.0);
  ( 399902.8, 3736431.9,      2.5,      2.5,      0.0);      ( 399922.8,
3736431.9,      2.7,      2.7,      0.0);
  ( 399942.8, 3736431.9,      2.9,      2.9,      0.0);      ( 399962.8,
3736431.9,      3.1,      3.1,      0.0);
  ( 399982.8, 3736431.9,      3.1,      3.1,      0.0);      ( 400002.8,
3736431.9,      3.1,      3.1,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 400022.8, 3736431.9,      2.9,      2.9,      0.0);      ( 400042.8,
3736431.9,      2.7,      2.7,      0.0);
  ( 400062.8, 3736431.9,      2.6,      2.6,      0.0);      ( 400082.8,
3736431.9,      2.8,      2.8,      0.0);
  ( 400102.8, 3736431.9,      3.3,      3.3,      0.0);      ( 400122.8,
3736431.9,      3.2,      3.2,      0.0);
  ( 400142.8, 3736431.9,      3.0,      3.0,      0.0);      ( 400162.8,
3736431.9,      3.1,      3.1,      0.0);
  ( 400182.8, 3736431.9,      3.3,      3.3,      0.0);      ( 398682.8,
3736451.9,      1.5,      3.7,      0.0);
  ( 398702.8, 3736451.9,      3.6,      3.6,      0.0);      ( 398722.8,
3736451.9,      3.8,      3.8,      0.0);
  ( 398742.8, 3736451.9,      3.7,      3.7,      0.0);      ( 398762.8,
3736451.9,      3.6,      3.6,      0.0);
  ( 398782.8, 3736451.9,      3.1,      3.1,      0.0);      ( 398802.8,
3736451.9,      2.8,      2.8,      0.0);
  ( 398822.8, 3736451.9,      3.8,      3.8,      0.0);      ( 398842.8,

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(398982.8, 3736451.9, 2.5, 2.5, 0.0); (399002.8,
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(399022.8, 3736451.9, 2.5, 2.5, 0.0); (399042.8,
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(399142.8, 3736451.9, 2.3, 2.3, 0.0); (399162.8,
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(399382.8, 3736451.9, 2.7, 2.7, 0.0); (399402.8,
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(399422.8, 3736451.9, 1.6, 1.6, 0.0); (399442.8,
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(399462.8, 3736451.9, 2.2, 2.2, 0.0); (399482.8,
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(399542.8, 3736451.9, 2.6, 2.6, 0.0); (399562.8,
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(399582.8, 3736451.9, 2.6, 2.6, 0.0); (399602.8,
3736451.9, 2.5, 2.5, 0.0);
(399622.8, 3736451.9, 2.5, 2.5, 0.0); (399642.8,
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(399662.8, 3736451.9, 2.2, 2.2, 0.0); (399682.8,
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(399702.8, 3736451.9, 2.6, 2.6, 0.0); (399722.8,
3736451.9, 2.8, 2.8, 0.0);
(399742.8, 3736451.9, 2.9, 2.9, 0.0); (399762.8,
3736451.9, 3.0, 3.0, 0.0);
(399782.8, 3736451.9, 2.7, 2.7, 0.0); (399802.8,
3736451.9, 2.6, 2.6, 0.0);
(399822.8, 3736451.9, 2.3, 2.3, 0.0); (399842.8,

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3736451.9,      2.3,      2.3,      0.0);
  ( 399862.8, 3736451.9,      2.4,      2.4,      0.0);      ( 399882.8,
3736451.9,      2.5,      2.5,      0.0);
  ( 399902.8, 3736451.9,      2.7,      2.7,      0.0);      ( 399922.8,
3736451.9,      2.9,      2.9,      0.0);
  ( 399942.8, 3736451.9,      2.9,      2.9,      0.0);      ( 399962.8,
3736451.9,      3.1,      3.1,      0.0);
  ( 399982.8, 3736451.9,      3.1,      3.1,      0.0);      ( 400002.8,
3736451.9,      3.0,      3.0,      0.0);
  ( 400022.8, 3736451.9,      2.8,      2.8,      0.0);      ( 400042.8,
3736451.9,      2.6,      2.6,      0.0);
  ( 400062.8, 3736451.9,      2.7,      2.7,      0.0);      ( 400082.8,
3736451.9,      3.0,      3.0,      0.0);
  ( 400102.8, 3736451.9,      3.3,      3.3,      0.0);      ( 400122.8,
3736451.9,      3.3,      3.3,      0.0);
  ( 400142.8, 3736451.9,      3.2,      3.2,      0.0);      ( 400162.8,
3736451.9,      3.1,      3.1,      0.0);
  ( 400182.8, 3736451.9,      3.2,      3.2,      0.0);      ( 398682.8,
3736471.9,      1.5,      3.3,      0.0);
  ( 398702.8, 3736471.9,      3.6,      3.6,      0.0);      ( 398722.8,
3736471.9,      3.8,      3.8,      0.0);
  ( 398742.8, 3736471.9,      3.6,      3.6,      0.0);      ( 398762.8,
3736471.9,      3.4,      3.4,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 398782.8, 3736471.9,      3.0,      3.0,      0.0);      ( 398802.8,
3736471.9,      2.9,      2.9,      0.0);
  ( 398822.8, 3736471.9,      3.6,      3.6,      0.0);      ( 398842.8,
3736471.9,      2.6,      2.6,      0.0);
  ( 398862.8, 3736471.9,     -0.2,      3.8,      0.0);      ( 398882.8,
3736471.9,      2.2,      2.2,      0.0);
  ( 398902.8, 3736471.9,      2.5,      2.5,      0.0);      ( 398922.8,
3736471.9,      2.5,      2.5,      0.0);
  ( 398942.8, 3736471.9,      2.5,      2.5,      0.0);      ( 398962.8,
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  ( 398982.8, 3736471.9,      2.5,      2.5,      0.0);      ( 399002.8,
3736471.9,      2.2,      2.2,      0.0);
  ( 399022.8, 3736471.9,      2.6,      2.6,      0.0);      ( 399042.8,
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  ( 399062.8, 3736471.9,      2.9,      2.9,      0.0);      ( 399082.8,

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(400062.8, 3736471.9, 2.9, 2.9, 0.0); (400082.8,

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( 400142.8, 3736471.9,      3.4,      3.4,      0.0); ( 400162.8,
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( 400182.8, 3736471.9,      3.2,      3.2,      0.0); ( 398682.8,
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( 398702.8, 3736491.9,      3.6,      3.6,      0.0); ( 398722.8,
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( 398742.8, 3736491.9,      3.6,      3.6,      0.0); ( 398762.8,
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( 398782.8, 3736491.9,      3.3,      3.3,      0.0); ( 398802.8,
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( 398822.8, 3736491.9,      3.6,      3.6,      0.0); ( 398842.8,
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( 398862.8, 3736491.9,     -0.4,      3.7,      0.0); ( 398882.8,
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( 398902.8, 3736491.9,      2.5,      2.5,      0.0); ( 398922.8,
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( 398942.8, 3736491.9,      2.5,      2.5,      0.0); ( 398962.8,
3736491.9,      2.4,      2.4,      0.0);
( 398982.8, 3736491.9,      2.4,      2.4,      0.0); ( 399002.8,
3736491.9,      2.3,      2.3,      0.0);
( 399022.8, 3736491.9,      2.6,      2.6,      0.0); ( 399042.8,
3736491.9,      2.8,      2.8,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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3736491.9,      2.7,      2.7,      0.0);
( 399102.8, 3736491.9,      2.7,      2.7,      0.0); ( 399122.8,
3736491.9,      2.6,      2.6,      0.0);
( 399142.8, 3736491.9,      2.5,      2.5,      0.0); ( 399162.8,
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( 399182.8, 3736491.9,      2.4,      2.4,      0.0); ( 399202.8,
3736491.9,      2.2,      2.2,      0.0);
( 399222.8, 3736491.9,      2.3,      2.3,      0.0); ( 399242.8,
3736491.9,      2.4,      2.4,      0.0);
( 399262.8, 3736491.9,      2.7,      2.7,      0.0); ( 399282.8,
3736491.9,      2.8,      2.8,      0.0);
( 399302.8, 3736491.9,      2.8,      2.8,      0.0); ( 399322.8,

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(399462.8, 3736491.9, 2.5, 2.5, 0.0); (399482.8,
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(399502.8, 3736491.9, 1.3, 1.3, 0.0); (399522.8,
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(399542.8, 3736491.9, 2.4, 2.4, 0.0); (399562.8,
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(399582.8, 3736491.9, 2.5, 2.5, 0.0); (399602.8,
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(399662.8, 3736491.9, 2.7, 2.7, 0.0); (399682.8,
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(399702.8, 3736491.9, 2.7, 2.7, 0.0); (399722.8,
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(399742.8, 3736491.9, 2.8, 2.8, 0.0); (399762.8,
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(399782.8, 3736491.9, 2.8, 2.8, 0.0); (399802.8,
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(400062.8, 3736491.9, 2.9, 2.9, 0.0); (400082.8,
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(400182.8, 3736491.9, 3.2, 3.2, 0.0); (398682.8,
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(398782.8, 3736511.9, 3.6, 3.6, 0.0); (398802.8,

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 (398982.8, 3736511.9, 2.2, 2.2, 0.0); (399002.8,
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 (399022.8, 3736511.9, 2.6, 2.6, 0.0); (399042.8,
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 (399062.8, 3736511.9, 2.6, 2.6, 0.0); (399082.8,
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 (399102.8, 3736511.9, 2.6, 2.6, 0.0); (399122.8,
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 (399142.8, 3736511.9, 2.2, 2.2, 0.0); (399162.8,
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 (399182.8, 3736511.9, 2.6, 2.6, 0.0); (399202.8,
 3736511.9, 2.6, 2.6, 0.0);
 (399222.8, 3736511.9, 2.3, 2.3, 0.0); (399242.8,
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 (399262.8, 3736511.9, 2.7, 2.7, 0.0); (399282.8,
 3736511.9, 2.8, 2.8, 0.0);
 (399302.8, 3736511.9, 2.7, 2.7, 0.0); (399322.8,
 3736511.9, 2.7, 2.7, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399342.8, 3736511.9, 2.7, 2.7, 0.0); (399362.8,
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 (399382.8, 3736511.9, 2.5, 2.5, 0.0); (399402.8,
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 (399422.8, 3736511.9, 2.7, 2.7, 0.0); (399442.8,
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 (399462.8, 3736511.9, 2.7, 2.7, 0.0); (399482.8,
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 (399502.8, 3736511.9, 2.1, 2.1, 0.0); (399522.8,
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 (399542.8, 3736511.9, 1.8, 1.8, 0.0); (399562.8,

3736511.9, 2.3, 2.3, 0.0);
(399582.8, 3736511.9, 2.4, 2.4, 0.0); (399602.8,
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(399622.8, 3736511.9, 2.4, 2.4, 0.0); (399642.8,
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(399662.8, 3736511.9, 2.8, 2.8, 0.0); (399682.8,
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(399702.8, 3736511.9, 2.8, 2.8, 0.0); (399722.8,
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(399742.8, 3736511.9, 2.8, 2.8, 0.0); (399762.8,
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(399782.8, 3736511.9, 2.6, 2.6, 0.0); (399802.8,
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(399822.8, 3736511.9, 2.3, 2.3, 0.0); (399842.8,
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(399862.8, 3736511.9, 2.9, 2.9, 0.0); (399882.8,
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(399902.8, 3736511.9, 3.0, 3.0, 0.0); (399922.8,
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(400102.8, 3736511.9, 3.3, 3.3, 0.0); (400122.8,
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(398782.8, 3736531.9, 3.5, 3.5, 0.0); (398802.8,
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(399022.8, 3736531.9, 2.6, 2.6, 0.0); (399042.8,

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 (399142.8, 3736531.9, 2.2, 2.2, 0.0); (399162.8,
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 (399182.8, 3736531.9, 2.6, 2.6, 0.0); (399202.8,
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 (399222.8, 3736531.9, 2.6, 2.6, 0.0); (399242.8,
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 (399262.8, 3736531.9, 2.8, 2.8, 0.0); (399282.8,
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 (399302.8, 3736531.9, 2.7, 2.7, 0.0); (399322.8,
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 (399382.8, 3736531.9, 2.3, 2.3, 0.0); (399402.8,
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 (399422.8, 3736531.9, 2.6, 2.6, 0.0); (399442.8,
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 (399462.8, 3736531.9, 2.4, 2.4, 0.0); (399482.8,
 3736531.9, 2.5, 2.5, 0.0);
 (399502.8, 3736531.9, 2.6, 2.6, 0.0); (399522.8,
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 (399542.8, 3736531.9, 1.4, 1.4, 0.0); (399562.8,
 3736531.9, 1.3, 1.3, 0.0);
 (399582.8, 3736531.9, 2.1, 2.1, 0.0); (399602.8,
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*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (399702.8, 3736531.9, 2.8, 2.8, 0.0); (399722.8,
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 (399742.8, 3736531.9, 2.8, 2.8, 0.0); (399762.8,
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 (399782.8, 3736531.9, 2.3, 2.3, 0.0); (399802.8,

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(399822.8, 3736531.9, 2.2, 2.2, 0.0); (399842.8,
3736531.9, 2.6, 2.6, 0.0);
(399862.8, 3736531.9, 2.9, 2.9, 0.0); (399882.8,
3736531.9, 2.9, 2.9, 0.0);
(399902.8, 3736531.9, 3.0, 3.0, 0.0); (399922.8,
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(399942.8, 3736531.9, 2.8, 2.8, 0.0); (399962.8,
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(400102.8, 3736531.9, 3.3, 3.3, 0.0); (400122.8,
3736531.9, 3.3, 3.3, 0.0);
(400142.8, 3736531.9, 3.3, 3.3, 0.0); (400162.8,
3736531.9, 3.2, 3.2, 0.0);
(400182.8, 3736531.9, 3.3, 3.3, 0.0); (398682.8,
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(398702.8, 3736551.9, 3.5, 3.5, 0.0); (398722.8,
3736551.9, 3.8, 3.8, 0.0);
(398742.8, 3736551.9, 3.7, 3.7, 0.0); (398762.8,
3736551.9, 3.4, 3.4, 0.0);
(398782.8, 3736551.9, 3.4, 3.4, 0.0); (398802.8,
3736551.9, 3.2, 3.2, 0.0);
(398822.8, 3736551.9, 3.5, 3.5, 0.0); (398842.8,
3736551.9, 2.4, 2.4, 0.0);
(398862.8, 3736551.9, -0.3, 3.5, 0.0); (398882.8,
3736551.9, 2.5, 2.5, 0.0);
(398902.8, 3736551.9, 2.3, 2.3, 0.0); (398922.8,
3736551.9, 2.2, 2.2, 0.0);
(398942.8, 3736551.9, 2.2, 2.2, 0.0); (398962.8,
3736551.9, 2.2, 2.2, 0.0);
(398982.8, 3736551.9, 2.1, 2.1, 0.0); (399002.8,
3736551.9, 2.6, 2.6, 0.0);
(399022.8, 3736551.9, 2.6, 2.6, 0.0); (399042.8,
3736551.9, 2.3, 2.3, 0.0);
(399062.8, 3736551.9, 2.2, 2.2, 0.0); (399082.8,
3736551.9, 2.2, 2.2, 0.0);
(399102.8, 3736551.9, 2.2, 2.2, 0.0); (399122.8,
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(399142.8, 3736551.9, 2.5, 2.5, 0.0); (399162.8,
3736551.9, 2.6, 2.6, 0.0);
(399182.8, 3736551.9, 2.6, 2.6, 0.0); (399202.8,
3736551.9, 2.6, 2.6, 0.0);
(399222.8, 3736551.9, 2.7, 2.7, 0.0); (399242.8,
3736551.9, 2.7, 2.7, 0.0);
(399262.8, 3736551.9, 2.8, 2.8, 0.0); (399282.8,

3736551.9, 2.6, 2.6, 0.0);
 (399302.8, 3736551.9, 2.7, 2.7, 0.0); (399322.8,
 3736551.9, 2.8, 2.8, 0.0);
 (399342.8, 3736551.9, 2.7, 2.7, 0.0); (399362.8,
 3736551.9, 2.6, 2.6, 0.0);
 (399382.8, 3736551.9, 2.3, 2.3, 0.0); (399402.8,
 3736551.9, 2.4, 2.4, 0.0);
 (399422.8, 3736551.9, 2.6, 2.6, 0.0); (399442.8,
 3736551.9, 2.5, 2.5, 0.0);
 (399462.8, 3736551.9, 2.4, 2.4, 0.0); (399482.8,
 3736551.9, 2.6, 2.6, 0.0);
 (399502.8, 3736551.9, 2.5, 2.5, 0.0); (399522.8,
 3736551.9, 2.6, 2.6, 0.0);
 (399542.8, 3736551.9, 2.5, 2.5, 0.0); (399562.8,
 3736551.9, 1.9, 1.9, 0.0);
 (399582.8, 3736551.9, 1.0, 1.0, 0.0); (399602.8,
 3736551.9, 2.0, 2.0, 0.0);
 (399622.8, 3736551.9, 2.7, 2.7, 0.0); (399642.8,
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 (399662.8, 3736551.9, 2.7, 2.7, 0.0); (399682.8,
 3736551.9, 2.7, 2.7, 0.0);
 (399702.8, 3736551.9, 2.6, 2.6, 0.0); (399722.8,
 3736551.9, 2.5, 2.5, 0.0);
 (399742.8, 3736551.9, 2.5, 2.5, 0.0); (399762.8,
 3736551.9, 2.3, 2.3, 0.0);
 (399782.8, 3736551.9, 2.2, 2.2, 0.0); (399802.8,
 3736551.9, 2.2, 2.2, 0.0);
 (399822.8, 3736551.9, 2.4, 2.4, 0.0); (399842.8,
 3736551.9, 2.7, 2.7, 0.0);
 (399862.8, 3736551.9, 2.9, 2.9, 0.0); (399882.8,
 3736551.9, 2.9, 2.9, 0.0);

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399902.8, 3736551.9, 3.0, 3.0, 0.0); (399922.8,
 3736551.9, 2.9, 2.9, 0.0);
 (399942.8, 3736551.9, 2.7, 2.7, 0.0); (399962.8,
 3736551.9, 2.5, 2.5, 0.0);
 (399982.8, 3736551.9, 2.4, 2.4, 0.0); (400002.8,
 3736551.9, 2.6, 2.6, 0.0);
 (400022.8, 3736551.9, 2.8, 2.8, 0.0); (400042.8,

3736551.9, 3.0, 3.0, 0.0);
(400062.8, 3736551.9, 3.2, 3.2, 0.0); (400082.8,
3736551.9, 3.3, 3.3, 0.0);
(400102.8, 3736551.9, 3.3, 3.3, 0.0); (400122.8,
3736551.9, 3.3, 3.3, 0.0);
(400142.8, 3736551.9, 3.3, 3.3, 0.0); (400162.8,
3736551.9, 3.3, 3.3, 0.0);
(400182.8, 3736551.9, 3.4, 3.4, 0.0); (398682.8,
3736571.9, 1.4, 3.3, 0.0);
(398702.8, 3736571.9, 3.5, 3.5, 0.0); (398722.8,
3736571.9, 3.8, 3.8, 0.0);
(398742.8, 3736571.9, 3.6, 3.6, 0.0); (398762.8,
3736571.9, 3.4, 3.4, 0.0);
(398782.8, 3736571.9, 3.4, 3.4, 0.0); (398802.8,
3736571.9, 3.4, 3.4, 0.0);
(398822.8, 3736571.9, 3.4, 3.4, 0.0); (398842.8,
3736571.9, 2.3, 2.3, 0.0);
(398862.8, 3736571.9, -0.2, 2.9, 0.0); (398882.8,
3736571.9, 2.6, 2.6, 0.0);
(398902.8, 3736571.9, 2.4, 2.4, 0.0); (398922.8,
3736571.9, 2.2, 2.2, 0.0);
(398942.8, 3736571.9, 2.3, 2.3, 0.0); (398962.8,
3736571.9, 2.1, 2.1, 0.0);
(398982.8, 3736571.9, 2.2, 2.2, 0.0); (399002.8,
3736571.9, 2.5, 2.5, 0.0);
(399022.8, 3736571.9, 2.4, 2.4, 0.0); (399042.8,
3736571.9, 2.3, 2.3, 0.0);
(399062.8, 3736571.9, 2.2, 2.2, 0.0); (399082.8,
3736571.9, 2.2, 2.2, 0.0);
(399102.8, 3736571.9, 2.1, 2.1, 0.0); (399122.8,
3736571.9, 2.1, 2.1, 0.0);
(399142.8, 3736571.9, 2.3, 2.3, 0.0); (399162.8,
3736571.9, 2.5, 2.5, 0.0);
(399182.8, 3736571.9, 2.6, 2.6, 0.0); (399202.8,
3736571.9, 2.6, 2.6, 0.0);
(399222.8, 3736571.9, 2.7, 2.7, 0.0); (399242.8,
3736571.9, 2.7, 2.7, 0.0);
(399262.8, 3736571.9, 2.6, 2.6, 0.0); (399282.8,
3736571.9, 2.6, 2.6, 0.0);
(399302.8, 3736571.9, 2.7, 2.7, 0.0); (399322.8,
3736571.9, 2.7, 2.7, 0.0);
(399342.8, 3736571.9, 2.6, 2.6, 0.0); (399362.8,
3736571.9, 2.3, 2.3, 0.0);
(399382.8, 3736571.9, 2.3, 2.3, 0.0); (399402.8,
3736571.9, 2.3, 2.3, 0.0);
(399422.8, 3736571.9, 2.3, 2.3, 0.0); (399442.8,
3736571.9, 2.3, 2.3, 0.0);
(399462.8, 3736571.9, 2.6, 2.6, 0.0); (399482.8,
3736571.9, 2.5, 2.5, 0.0);
(399502.8, 3736571.9, 2.6, 2.6, 0.0); (399522.8,

3736571.9, 2.5, 2.5, 0.0);
 (399542.8, 3736571.9, 2.5, 2.5, 0.0); (399562.8,
 3736571.9, 2.4, 2.4, 0.0);
 (399582.8, 3736571.9, 2.2, 2.2, 0.0); (399602.8,
 3736571.9, 1.3, 1.3, 0.0);
 (399622.8, 3736571.9, 1.4, 1.4, 0.0); (399642.8,
 3736571.9, 2.2, 2.2, 0.0);
 (399662.8, 3736571.9, 2.6, 2.6, 0.0); (399682.8,
 3736571.9, 2.7, 2.7, 0.0);
 (399702.8, 3736571.9, 2.5, 2.5, 0.0); (399722.8,
 3736571.9, 2.4, 2.4, 0.0);
 (399742.8, 3736571.9, 2.1, 2.1, 0.0); (399762.8,
 3736571.9, 2.1, 2.1, 0.0);
 (399782.8, 3736571.9, 2.2, 2.2, 0.0); (399802.8,
 3736571.9, 2.3, 2.3, 0.0);
 (399822.8, 3736571.9, 2.6, 2.6, 0.0); (399842.8,
 3736571.9, 2.7, 2.7, 0.0);
 (399862.8, 3736571.9, 2.8, 2.8, 0.0); (399882.8,
 3736571.9, 2.9, 2.9, 0.0);
 (399902.8, 3736571.9, 3.0, 3.0, 0.0); (399922.8,
 3736571.9, 2.9, 2.9, 0.0);
 (399942.8, 3736571.9, 2.6, 2.6, 0.0); (399962.8,
 3736571.9, 2.4, 2.4, 0.0);
 (399982.8, 3736571.9, 2.5, 2.5, 0.0); (400002.8,
 3736571.9, 2.9, 2.9, 0.0);
 (400022.8, 3736571.9, 3.2, 3.2, 0.0); (400042.8,
 3736571.9, 3.2, 3.2, 0.0);
 (400062.8, 3736571.9, 3.3, 3.3, 0.0); (400082.8,
 3736571.9, 3.3, 3.3, 0.0);
 (400102.8, 3736571.9, 3.3, 3.3, 0.0); (400122.8,
 3736571.9, 3.2, 3.2, 0.0);
 (400142.8, 3736571.9, 3.2, 3.2, 0.0); (400162.8,
 3736571.9, 3.1, 3.1, 0.0);

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(400182.8, 3736571.9, 3.4, 3.4, 0.0); (398682.8,
 3736591.9, 1.5, 3.8, 0.0);
 (398702.8, 3736591.9, 3.4, 3.4, 0.0); (398722.8,
 3736591.9, 3.6, 3.6, 0.0);
 (398742.8, 3736591.9, 3.4, 3.4, 0.0); (398762.8,

3736591.9, 3.3, 3.3, 0.0);
(398782.8, 3736591.9, 3.4, 3.4, 0.0); (398802.8,
3736591.9, 3.3, 3.3, 0.0);
(398822.8, 3736591.9, 3.1, 3.1, 0.0); (398842.8,
3736591.9, 2.0, 2.0, 0.0);
(398862.8, 3736591.9, 0.2, 2.7, 0.0); (398882.8,
3736591.9, 2.6, 2.6, 0.0);
(398902.8, 3736591.9, 2.4, 2.4, 0.0); (398922.8,
3736591.9, 2.3, 2.3, 0.0);
(398942.8, 3736591.9, 2.4, 2.4, 0.0); (398962.8,
3736591.9, 2.1, 2.1, 0.0);
(398982.8, 3736591.9, 2.4, 2.4, 0.0); (399002.8,
3736591.9, 2.4, 2.4, 0.0);
(399022.8, 3736591.9, 2.6, 2.6, 0.0); (399042.8,
3736591.9, 2.3, 2.3, 0.0);
(399062.8, 3736591.9, 2.2, 2.2, 0.0); (399082.8,
3736591.9, 2.2, 2.2, 0.0);
(399102.8, 3736591.9, 2.2, 2.2, 0.0); (399122.8,
3736591.9, 2.2, 2.2, 0.0);
(399142.8, 3736591.9, 2.2, 2.2, 0.0); (399162.8,
3736591.9, 2.3, 2.3, 0.0);
(399182.8, 3736591.9, 2.5, 2.5, 0.0); (399202.8,
3736591.9, 2.6, 2.6, 0.0);
(399222.8, 3736591.9, 2.7, 2.7, 0.0); (399242.8,
3736591.9, 2.6, 2.6, 0.0);
(399262.8, 3736591.9, 2.4, 2.4, 0.0); (399282.8,
3736591.9, 2.6, 2.6, 0.0);
(399302.8, 3736591.9, 2.7, 2.7, 0.0); (399322.8,
3736591.9, 2.6, 2.6, 0.0);
(399342.8, 3736591.9, 2.4, 2.4, 0.0); (399362.8,
3736591.9, 2.3, 2.3, 0.0);
(399382.8, 3736591.9, 2.3, 2.3, 0.0); (399402.8,
3736591.9, 2.3, 2.3, 0.0);
(399422.8, 3736591.9, 2.2, 2.2, 0.0); (399442.8,
3736591.9, 2.2, 2.2, 0.0);
(399462.8, 3736591.9, 2.4, 2.4, 0.0); (399482.8,
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3736591.9, 2.6, 2.6, 0.0);
(399542.8, 3736591.9, 2.6, 2.6, 0.0); (399562.8,
3736591.9, 2.6, 2.6, 0.0);
(399582.8, 3736591.9, 2.7, 2.7, 0.0); (399602.8,
3736591.9, 2.3, 2.3, 0.0);
(399622.8, 3736591.9, 1.8, 1.8, 0.0); (399642.8,
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(399662.8, 3736591.9, 2.1, 2.1, 0.0); (399682.8,
3736591.9, 2.6, 2.6, 0.0);
(399702.8, 3736591.9, 2.4, 2.4, 0.0); (399722.8,
3736591.9, 2.1, 2.1, 0.0);
(399742.8, 3736591.9, 2.1, 2.1, 0.0); (399762.8,

3736591.9, 2.2, 2.2, 0.0);
 (399782.8, 3736591.9, 2.5, 2.5, 0.0); (399802.8,
 3736591.9, 2.7, 2.7, 0.0);
 (399822.8, 3736591.9, 2.8, 2.8, 0.0); (399842.8,
 3736591.9, 2.9, 2.9, 0.0);
 (399862.8, 3736591.9, 2.9, 2.9, 0.0); (399882.8,
 3736591.9, 2.9, 2.9, 0.0);
 (399902.8, 3736591.9, 2.9, 2.9, 0.0); (399922.8,
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 (399942.8, 3736591.9, 2.6, 2.6, 0.0); (399962.8,
 3736591.9, 2.4, 2.4, 0.0);
 (399982.8, 3736591.9, 2.8, 2.8, 0.0); (400002.8,
 3736591.9, 3.0, 3.0, 0.0);
 (400022.8, 3736591.9, 3.2, 3.2, 0.0); (400042.8,
 3736591.9, 3.2, 3.2, 0.0);
 (400062.8, 3736591.9, 3.3, 3.3, 0.0); (400082.8,
 3736591.9, 3.2, 3.2, 0.0);
 (400102.8, 3736591.9, 3.3, 3.3, 0.0); (400122.8,
 3736591.9, 3.2, 3.2, 0.0);
 (400142.8, 3736591.9, 3.1, 3.1, 0.0); (400162.8,
 3736591.9, 3.2, 3.2, 0.0);
 (400182.8, 3736591.9, 3.6, 3.6, 0.0); (398682.8,
 3736611.9, 3.3, 3.3, 0.0);
 (398702.8, 3736611.9, 3.7, 3.7, 0.0); (398722.8,
 3736611.9, 3.3, 3.3, 0.0);
 (398742.8, 3736611.9, 3.2, 3.2, 0.0); (398762.8,
 3736611.9, 3.1, 3.1, 0.0);
 (398782.8, 3736611.9, 3.1, 3.1, 0.0); (398802.8,
 3736611.9, 3.1, 3.1, 0.0);
 (398822.8, 3736611.9, 3.0, 3.0, 0.0); (398842.8,
 3736611.9, 1.2, 2.9, 0.0);
 (398862.8, 3736611.9, 1.2, 2.8, 0.0); (398882.8,
 3736611.9, 2.7, 2.7, 0.0);
 (398902.8, 3736611.9, 2.6, 2.6, 0.0); (398922.8,
 3736611.9, 2.8, 2.8, 0.0);

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(398942.8, 3736611.9, 2.7, 2.7, 0.0); (398962.8,
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 (398982.8, 3736611.9, 2.5, 2.5, 0.0); (399002.8,

3736611.9, 2.4, 2.4, 0.0);
(399022.8, 3736611.9, 2.5, 2.5, 0.0); (399042.8,
3736611.9, 2.6, 2.6, 0.0);
(399062.8, 3736611.9, 2.4, 2.4, 0.0); (399082.8,
3736611.9, 2.1, 2.1, 0.0);
(399102.8, 3736611.9, 2.2, 2.2, 0.0); (399122.8,
3736611.9, 2.2, 2.2, 0.0);
(399142.8, 3736611.9, 2.2, 2.2, 0.0); (399162.8,
3736611.9, 2.3, 2.3, 0.0);
(399182.8, 3736611.9, 2.5, 2.5, 0.0); (399202.8,
3736611.9, 2.6, 2.6, 0.0);
(399222.8, 3736611.9, 2.6, 2.6, 0.0); (399242.8,
3736611.9, 2.4, 2.4, 0.0);
(399262.8, 3736611.9, 2.5, 2.5, 0.0); (399282.8,
3736611.9, 2.7, 2.7, 0.0);
(399302.8, 3736611.9, 2.7, 2.7, 0.0); (399322.8,
3736611.9, 2.7, 2.7, 0.0);
(399342.8, 3736611.9, 2.5, 2.5, 0.0); (399362.8,
3736611.9, 2.3, 2.3, 0.0);
(399382.8, 3736611.9, 2.3, 2.3, 0.0); (399402.8,
3736611.9, 2.3, 2.3, 0.0);
(399422.8, 3736611.9, 2.3, 2.3, 0.0); (399442.8,
3736611.9, 2.3, 2.3, 0.0);
(399462.8, 3736611.9, 2.2, 2.2, 0.0); (399482.8,
3736611.9, 2.3, 2.3, 0.0);
(399502.8, 3736611.9, 2.6, 2.6, 0.0); (399522.8,
3736611.9, 2.8, 2.8, 0.0);
(399542.8, 3736611.9, 2.6, 2.6, 0.0); (399562.8,
3736611.9, 2.7, 2.7, 0.0);
(399582.8, 3736611.9, 2.5, 2.5, 0.0); (399602.8,
3736611.9, 2.4, 2.4, 0.0);
(399622.8, 3736611.9, 2.4, 2.4, 0.0); (399642.8,
3736611.9, 2.1, 2.1, 0.0);
(399662.8, 3736611.9, 1.2, 1.2, 0.0); (399682.8,
3736611.9, 1.5, 1.5, 0.0);
(399702.8, 3736611.9, 2.1, 2.1, 0.0); (399722.8,
3736611.9, 2.1, 2.1, 0.0);
(399742.8, 3736611.9, 2.2, 2.2, 0.0); (399762.8,
3736611.9, 2.3, 2.3, 0.0);
(399782.8, 3736611.9, 2.6, 2.6, 0.0); (399802.8,
3736611.9, 2.8, 2.8, 0.0);
(399822.8, 3736611.9, 2.8, 2.8, 0.0); (399842.8,
3736611.9, 2.9, 2.9, 0.0);
(399862.8, 3736611.9, 2.9, 2.9, 0.0); (399882.8,
3736611.9, 3.0, 3.0, 0.0);
(399902.8, 3736611.9, 2.8, 2.8, 0.0); (399922.8,
3736611.9, 2.7, 2.7, 0.0);
(399942.8, 3736611.9, 2.5, 2.5, 0.0); (399962.8,
3736611.9, 2.4, 2.4, 0.0);
(399982.8, 3736611.9, 2.8, 2.8, 0.0); (400002.8,

3736611.9, 3.2, 3.2, 0.0);
 (400022.8, 3736611.9, 3.2, 3.2, 0.0); (400042.8,
 3736611.9, 3.2, 3.2, 0.0);
 (400062.8, 3736611.9, 3.2, 3.2, 0.0); (400082.8,
 3736611.9, 3.1, 3.1, 0.0);
 (400102.8, 3736611.9, 3.3, 3.3, 0.0); (400122.8,
 3736611.9, 3.3, 3.3, 0.0);
 (400142.8, 3736611.9, 3.2, 3.2, 0.0); (400162.8,
 3736611.9, 3.4, 3.4, 0.0);
 (400182.8, 3736611.9, 3.7, 3.7, 0.0); (398682.8,
 3736631.9, 3.8, 3.8, 0.0);
 (398702.8, 3736631.9, 3.6, 3.6, 0.0); (398722.8,
 3736631.9, 3.3, 3.3, 0.0);
 (398742.8, 3736631.9, 3.2, 3.2, 0.0); (398762.8,
 3736631.9, 3.1, 3.1, 0.0);
 (398782.8, 3736631.9, 3.1, 3.1, 0.0); (398802.8,
 3736631.9, 3.2, 3.2, 0.0);
 (398822.8, 3736631.9, 2.8, 2.8, 0.0); (398842.8,
 3736631.9, 0.1, 3.0, 0.0);
 (398862.8, 3736631.9, 2.5, 2.5, 0.0); (398882.8,
 3736631.9, 2.9, 2.9, 0.0);
 (398902.8, 3736631.9, 2.8, 2.8, 0.0); (398922.8,
 3736631.9, 2.9, 2.9, 0.0);
 (398942.8, 3736631.9, 2.6, 2.6, 0.0); (398962.8,
 3736631.9, 2.3, 2.3, 0.0);
 (398982.8, 3736631.9, 2.5, 2.5, 0.0); (399002.8,
 3736631.9, 2.4, 2.4, 0.0);
 (399022.8, 3736631.9, 2.5, 2.5, 0.0); (399042.8,
 3736631.9, 2.5, 2.5, 0.0);
 (399062.8, 3736631.9, 2.5, 2.5, 0.0); (399082.8,
 3736631.9, 2.5, 2.5, 0.0);
 (399102.8, 3736631.9, 2.3, 2.3, 0.0); (399122.8,
 3736631.9, 2.3, 2.3, 0.0);
 (399142.8, 3736631.9, 2.3, 2.3, 0.0); (399162.8,
 3736631.9, 2.6, 2.6, 0.0);
 (399182.8, 3736631.9, 2.6, 2.6, 0.0); (399202.8,
 3736631.9, 2.6, 2.6, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399222.8, 3736631.9, 2.5, 2.5, 0.0); (399242.8,

3736631.9, 2.4, 2.4, 0.0);
(399262.8, 3736631.9, 2.5, 2.5, 0.0); (399282.8,
3736631.9, 2.7, 2.7, 0.0);
(399302.8, 3736631.9, 2.6, 2.6, 0.0); (399322.8,
3736631.9, 2.6, 2.6, 0.0);
(399342.8, 3736631.9, 2.6, 2.6, 0.0); (399362.8,
3736631.9, 2.3, 2.3, 0.0);
(399382.8, 3736631.9, 2.2, 2.2, 0.0); (399402.8,
3736631.9, 2.2, 2.2, 0.0);
(399422.8, 3736631.9, 2.3, 2.3, 0.0); (399442.8,
3736631.9, 2.3, 2.3, 0.0);
(399462.8, 3736631.9, 2.3, 2.3, 0.0); (399482.8,
3736631.9, 2.3, 2.3, 0.0);
(399502.8, 3736631.9, 2.7, 2.7, 0.0); (399522.8,
3736631.9, 2.8, 2.8, 0.0);
(399542.8, 3736631.9, 2.7, 2.7, 0.0); (399562.8,
3736631.9, 2.7, 2.7, 0.0);
(399582.8, 3736631.9, 2.4, 2.4, 0.0); (399602.8,
3736631.9, 2.4, 2.4, 0.0);
(399622.8, 3736631.9, 2.5, 2.5, 0.0); (399642.8,
3736631.9, 2.4, 2.4, 0.0);
(399662.8, 3736631.9, 2.1, 2.1, 0.0); (399682.8,
3736631.9, 1.7, 1.7, 0.0);
(399702.8, 3736631.9, 1.0, 1.0, 0.0); (399722.8,
3736631.9, 2.0, 2.0, 0.0);
(399742.8, 3736631.9, 2.1, 2.1, 0.0); (399762.8,
3736631.9, 2.7, 2.7, 0.0);
(399782.8, 3736631.9, 2.8, 2.8, 0.0); (399802.8,
3736631.9, 2.9, 2.9, 0.0);
(399822.8, 3736631.9, 2.8, 2.8, 0.0); (399842.8,
3736631.9, 2.8, 2.8, 0.0);
(399862.8, 3736631.9, 2.8, 2.8, 0.0); (399882.8,
3736631.9, 2.9, 2.9, 0.0);
(399902.8, 3736631.9, 2.8, 2.8, 0.0); (399922.8,
3736631.9, 2.5, 2.5, 0.0);
(399942.8, 3736631.9, 2.4, 2.4, 0.0); (399962.8,
3736631.9, 2.4, 2.4, 0.0);
(399982.8, 3736631.9, 2.8, 2.8, 0.0); (400002.8,
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(400022.8, 3736631.9, 3.1, 3.1, 0.0); (400042.8,
3736631.9, 3.2, 3.2, 0.0);
(400062.8, 3736631.9, 3.1, 3.1, 0.0); (400082.8,
3736631.9, 3.0, 3.0, 0.0);
(400102.8, 3736631.9, 3.4, 3.4, 0.0); (400122.8,
3736631.9, 3.6, 3.6, 0.0);
(400142.8, 3736631.9, 3.7, 3.7, 0.0); (400162.8,
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(400182.8, 3736631.9, 3.7, 3.7, 0.0); (398682.8,
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(398702.8, 3736651.9, 3.7, 3.7, 0.0); (398722.8,

3736651.9, 3.6, 3.6, 0.0);
 (398742.8, 3736651.9, 3.4, 3.4, 0.0); (398762.8,
 3736651.9, 3.3, 3.3, 0.0);
 (398782.8, 3736651.9, 3.3, 3.3, 0.0); (398802.8,
 3736651.9, 3.1, 3.1, 0.0);
 (398822.8, 3736651.9, 2.4, 2.4, 0.0); (398842.8,
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 (398862.8, 3736651.9, 2.8, 2.8, 0.0); (398882.8,
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 (398902.8, 3736651.9, 2.9, 2.9, 0.0); (398922.8,
 3736651.9, 2.8, 2.8, 0.0);
 (398942.8, 3736651.9, 2.4, 2.4, 0.0); (398962.8,
 3736651.9, 2.5, 2.5, 0.0);
 (398982.8, 3736651.9, 2.5, 2.5, 0.0); (399002.8,
 3736651.9, 2.6, 2.6, 0.0);
 (399022.8, 3736651.9, 2.5, 2.5, 0.0); (399042.8,
 3736651.9, 2.5, 2.5, 0.0);
 (399062.8, 3736651.9, 2.6, 2.6, 0.0); (399082.8,
 3736651.9, 2.6, 2.6, 0.0);
 (399102.8, 3736651.9, 2.5, 2.5, 0.0); (399122.8,
 3736651.9, 2.5, 2.5, 0.0);
 (399142.8, 3736651.9, 2.6, 2.6, 0.0); (399162.8,
 3736651.9, 2.6, 2.6, 0.0);
 (399182.8, 3736651.9, 2.7, 2.7, 0.0); (399202.8,
 3736651.9, 2.6, 2.6, 0.0);
 (399222.8, 3736651.9, 2.4, 2.4, 0.0); (399242.8,
 3736651.9, 2.7, 2.7, 0.0);
 (399262.8, 3736651.9, 2.8, 2.8, 0.0); (399282.8,
 3736651.9, 2.9, 2.9, 0.0);
 (399302.8, 3736651.9, 2.8, 2.8, 0.0); (399322.8,
 3736651.9, 2.7, 2.7, 0.0);
 (399342.8, 3736651.9, 2.8, 2.8, 0.0); (399362.8,
 3736651.9, 2.6, 2.6, 0.0);
 (399382.8, 3736651.9, 2.3, 2.3, 0.0); (399402.8,
 3736651.9, 2.3, 2.3, 0.0);
 (399422.8, 3736651.9, 2.3, 2.3, 0.0); (399442.8,
 3736651.9, 2.3, 2.3, 0.0);
 (399462.8, 3736651.9, 2.3, 2.3, 0.0); (399482.8,
 3736651.9, 2.6, 2.6, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399502.8, 3736651.9, 2.7, 2.7, 0.0); (399522.8, 3736651.9, 2.7, 2.7, 0.0);
(399542.8, 3736651.9, 2.9, 2.9, 0.0); (399562.8, 3736651.9, 2.6, 2.6, 0.0);
(399582.8, 3736651.9, 2.4, 2.4, 0.0); (399602.8, 3736651.9, 2.5, 2.5, 0.0);
(399622.8, 3736651.9, 2.4, 2.4, 0.0); (399642.8, 3736651.9, 2.2, 2.2, 0.0);
(399662.8, 3736651.9, 2.1, 2.1, 0.0); (399682.8, 3736651.9, 2.2, 2.2, 0.0);
(399702.8, 3736651.9, 2.0, 2.0, 0.0); (399722.8, 3736651.9, 1.4, 1.4, 0.0);
(399742.8, 3736651.9, 1.7, 1.7, 0.0); (399762.8, 3736651.9, 2.7, 2.7, 0.0);
(399782.8, 3736651.9, 2.8, 2.8, 0.0); (399802.8, 3736651.9, 2.8, 2.8, 0.0);
(399822.8, 3736651.9, 2.8, 2.8, 0.0); (399842.8, 3736651.9, 2.7, 2.7, 0.0);
(399862.8, 3736651.9, 2.6, 2.6, 0.0); (399882.8, 3736651.9, 2.6, 2.6, 0.0);
(399902.8, 3736651.9, 2.4, 2.4, 0.0); (399922.8, 3736651.9, 2.3, 2.3, 0.0);
(399942.8, 3736651.9, 2.4, 2.4, 0.0); (399962.8, 3736651.9, 2.6, 2.6, 0.0);
(399982.8, 3736651.9, 2.8, 2.8, 0.0); (400002.8, 3736651.9, 3.0, 3.0, 0.0);
(400022.8, 3736651.9, 3.1, 3.1, 0.0); (400042.8, 3736651.9, 3.2, 3.2, 0.0);
(400062.8, 3736651.9, 3.1, 3.1, 0.0); (400082.8, 3736651.9, 2.9, 2.9, 0.0);
(400102.8, 3736651.9, 3.5, 3.5, 0.0); (400122.8, 3736651.9, 3.6, 3.6, 0.0);
(400142.8, 3736651.9, 3.3, 3.3, 0.0); (400162.8, 3736651.9, 3.7, 3.7, 0.0);
(400182.8, 3736651.9, 3.7, 3.7, 0.0); (398682.8, 3736671.9, 3.5, 3.5, 0.0);
(398702.8, 3736671.9, 3.4, 3.4, 0.0); (398722.8, 3736671.9, 3.3, 3.3, 0.0);
(398742.8, 3736671.9, 3.1, 3.1, 0.0); (398762.8, 3736671.9, 3.0, 3.0, 0.0);
(398782.8, 3736671.9, 3.1, 3.1, 0.0); (398802.8, 3736671.9, 3.1, 3.1, 0.0);
(398822.8, 3736671.9, 1.8, 2.6, 0.0); (398842.8, 3736671.9, 0.6, 2.5, 0.0);
(398862.8, 3736671.9, 2.4, 2.4, 0.0); (398882.8, 3736671.9, 2.8, 2.8, 0.0);
(398902.8, 3736671.9, 2.8, 2.8, 0.0); (398922.8, 3736671.9, 2.7, 2.7, 0.0);
(398942.8, 3736671.9, 2.3, 2.3, 0.0); (398962.8,

3736671.9, 2.6, 2.6, 0.0);
 (398982.8, 3736671.9, 2.5, 2.5, 0.0); (399002.8,
 3736671.9, 2.7, 2.7, 0.0);
 (399022.8, 3736671.9, 2.5, 2.5, 0.0); (399042.8,
 3736671.9, 2.4, 2.4, 0.0);
 (399062.8, 3736671.9, 2.6, 2.6, 0.0); (399082.8,
 3736671.9, 2.6, 2.6, 0.0);
 (399102.8, 3736671.9, 2.5, 2.5, 0.0); (399122.8,
 3736671.9, 2.6, 2.6, 0.0);
 (399142.8, 3736671.9, 2.6, 2.6, 0.0); (399162.8,
 3736671.9, 2.6, 2.6, 0.0);
 (399182.8, 3736671.9, 2.6, 2.6, 0.0); (399202.8,
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 (399222.8, 3736671.9, 2.8, 2.8, 0.0); (399242.8,
 3736671.9, 2.7, 2.7, 0.0);
 (399262.8, 3736671.9, 2.8, 2.8, 0.0); (399282.8,
 3736671.9, 2.8, 2.8, 0.0);
 (399302.8, 3736671.9, 2.8, 2.8, 0.0); (399322.8,
 3736671.9, 2.9, 2.9, 0.0);
 (399342.8, 3736671.9, 2.8, 2.8, 0.0); (399362.8,
 3736671.9, 2.7, 2.7, 0.0);
 (399382.8, 3736671.9, 2.5, 2.5, 0.0); (399402.8,
 3736671.9, 2.4, 2.4, 0.0);
 (399422.8, 3736671.9, 2.3, 2.3, 0.0); (399442.8,
 3736671.9, 2.2, 2.2, 0.0);
 (399462.8, 3736671.9, 2.5, 2.5, 0.0); (399482.8,
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 (399502.8, 3736671.9, 2.8, 2.8, 0.0); (399522.8,
 3736671.9, 2.7, 2.7, 0.0);
 (399542.8, 3736671.9, 2.8, 2.8, 0.0); (399562.8,
 3736671.9, 2.6, 2.6, 0.0);
 (399582.8, 3736671.9, 2.6, 2.6, 0.0); (399602.8,
 3736671.9, 3.0, 3.0, 0.0);
 (399622.8, 3736671.9, 2.6, 2.6, 0.0); (399642.8,
 3736671.9, 2.2, 2.2, 0.0);
 (399662.8, 3736671.9, 2.3, 2.3, 0.0); (399682.8,
 3736671.9, 2.2, 2.2, 0.0);
 (399702.8, 3736671.9, 2.1, 2.1, 0.0); (399722.8,
 3736671.9, 2.3, 2.3, 0.0);
 (399742.8, 3736671.9, 1.7, 1.7, 0.0); (399762.8,
 3736671.9, 1.2, 1.2, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399782.8, 3736671.9, 2.2, 2.2, 0.0); (399802.8,
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(399822.8, 3736671.9, 2.8, 2.8, 0.0); (399842.8,
3736671.9, 2.7, 2.7, 0.0);
(399862.8, 3736671.9, 2.6, 2.6, 0.0); (399882.8,
3736671.9, 2.3, 2.3, 0.0);
(399902.8, 3736671.9, 2.2, 2.2, 0.0); (399922.8,
3736671.9, 2.4, 2.4, 0.0);
(399942.8, 3736671.9, 2.6, 2.6, 0.0); (399962.8,
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(399982.8, 3736671.9, 2.9, 2.9, 0.0); (400002.8,
3736671.9, 3.0, 3.0, 0.0);
(400022.8, 3736671.9, 3.1, 3.1, 0.0); (400042.8,
3736671.9, 3.1, 3.1, 0.0);
(400062.8, 3736671.9, 3.1, 3.1, 0.0); (400082.8,
3736671.9, 3.0, 3.0, 0.0);
(400102.8, 3736671.9, 2.8, 2.8, 0.0); (400122.8,
3736671.9, 2.9, 2.9, 0.0);
(400142.8, 3736671.9, 3.0, 3.0, 0.0); (400162.8,
3736671.9, 3.2, 3.2, 0.0);
(400182.8, 3736671.9, 3.4, 3.4, 0.0); (398682.8,
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(398702.8, 3736691.9, 3.5, 3.5, 0.0); (398722.8,
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(398742.8, 3736691.9, 3.1, 3.1, 0.0); (398762.8,
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(398782.8, 3736691.9, 3.1, 3.1, 0.0); (398802.8,
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(399142.8, 3736691.9, 2.5, 2.5, 0.0); (399162.8,
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(399182.8, 3736691.9, 2.6, 2.6, 0.0); (399202.8,

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 (399222.8, 3736691.9, 2.9, 2.9, 0.0); (399242.8,
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 (399262.8, 3736691.9, 2.8, 2.8, 0.0); (399282.8,
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 (399302.8, 3736691.9, 2.8, 2.8, 0.0); (399322.8,
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 (399342.8, 3736691.9, 2.8, 2.8, 0.0); (399362.8,
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 (399382.8, 3736691.9, 2.6, 2.6, 0.0); (399402.8,
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 (399462.8, 3736691.9, 2.7, 2.7, 0.0); (399482.8,
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 (399502.8, 3736691.9, 2.7, 2.7, 0.0); (399522.8,
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 (399542.8, 3736691.9, 2.9, 2.9, 0.0); (399562.8,
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 (399582.8, 3736691.9, 3.0, 3.0, 0.0); (399602.8,
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 (399622.8, 3736691.9, 2.5, 2.5, 0.0); (399642.8,
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 (399662.8, 3736691.9, 2.3, 2.3, 0.0); (399682.8,
 3736691.9, 2.1, 2.1, 0.0);
 (399702.8, 3736691.9, 2.2, 2.2, 0.0); (399722.8,
 3736691.9, 2.4, 2.4, 0.0);
 (399742.8, 3736691.9, 2.5, 2.5, 0.0); (399762.8,
 3736691.9, 2.3, 2.3, 0.0);
 (399782.8, 3736691.9, 1.3, 1.3, 0.0); (399802.8,
 3736691.9, 1.8, 1.8, 0.0);
 (399822.8, 3736691.9, 2.7, 2.7, 0.0); (399842.8,
 3736691.9, 2.6, 2.6, 0.0);
 (399862.8, 3736691.9, 2.4, 2.4, 0.0); (399882.8,
 3736691.9, 2.1, 2.1, 0.0);
 (399902.8, 3736691.9, 2.4, 2.4, 0.0); (399922.8,
 3736691.9, 2.7, 2.7, 0.0);
 (399942.8, 3736691.9, 3.0, 3.0, 0.0); (399962.8,
 3736691.9, 3.0, 3.0, 0.0);
 (399982.8, 3736691.9, 3.1, 3.1, 0.0); (400002.8,
 3736691.9, 3.1, 3.1, 0.0);
 (400022.8, 3736691.9, 3.1, 3.1, 0.0); (400042.8,
 3736691.9, 3.1, 3.1, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(400062.8, 3736691.9,	3.0,	3.0,	0.0);	(400082.8,
3736691.9, 2.8,	2.8,	0.0);		
(400102.8, 3736691.9,	2.7,	2.7,	0.0);	(400122.8,
3736691.9, 3.2,	3.2,	0.0);		
(400142.8, 3736691.9,	3.3,	3.3,	0.0);	(400162.8,
3736691.9, 2.9,	2.9,	0.0);		
(400182.8, 3736691.9,	3.4,	3.4,	0.0);	(398682.8,
3736711.9, 3.7,	3.7,	0.0);		
(398702.8, 3736711.9,	3.5,	3.5,	0.0);	(398722.8,
3736711.9, 3.4,	3.4,	0.0);		
(398742.8, 3736711.9,	3.2,	3.2,	0.0);	(398762.8,
3736711.9, 3.1,	3.1,	0.0);		
(398782.8, 3736711.9,	3.1,	3.1,	0.0);	(398802.8,
3736711.9, 2.8,	2.8,	0.0);		
(398822.8, 3736711.9,	-0.1,	3.1,	0.0);	(398842.8,
3736711.9, 2.6,	2.6,	0.0);		
(398862.8, 3736711.9,	2.6,	2.6,	0.0);	(398882.8,
3736711.9, 2.7,	2.7,	0.0);		
(398902.8, 3736711.9,	2.6,	2.6,	0.0);	(398922.8,
3736711.9, 2.4,	2.4,	0.0);		
(398942.8, 3736711.9,	2.4,	2.4,	0.0);	(398962.8,
3736711.9, 2.4,	2.4,	0.0);		
(398982.8, 3736711.9,	2.5,	2.5,	0.0);	(399002.8,
3736711.9, 2.5,	2.5,	0.0);		
(399022.8, 3736711.9,	2.6,	2.6,	0.0);	(399042.8,
3736711.9, 2.6,	2.6,	0.0);		
(399062.8, 3736711.9,	2.6,	2.6,	0.0);	(399082.8,
3736711.9, 2.4,	2.4,	0.0);		
(399102.8, 3736711.9,	2.5,	2.5,	0.0);	(399122.8,
3736711.9, 2.4,	2.4,	0.0);		
(399142.8, 3736711.9,	2.5,	2.5,	0.0);	(399162.8,
3736711.9, 2.5,	2.5,	0.0);		
(399182.8, 3736711.9,	2.7,	2.7,	0.0);	(399202.8,
3736711.9, 2.7,	2.7,	0.0);		
(399222.8, 3736711.9,	2.8,	2.8,	0.0);	(399242.8,
3736711.9, 2.8,	2.8,	0.0);		
(399262.8, 3736711.9,	2.9,	2.9,	0.0);	(399282.8,
3736711.9, 2.8,	2.8,	0.0);		
(399302.8, 3736711.9,	2.9,	2.9,	0.0);	(399322.8,
3736711.9, 2.8,	2.8,	0.0);		
(399342.8, 3736711.9,	2.7,	2.7,	0.0);	(399362.8,
3736711.9, 2.8,	2.8,	0.0);		
(399382.8, 3736711.9,	2.8,	2.8,	0.0);	(399402.8,
3736711.9, 2.7,	2.7,	0.0);		
(399422.8, 3736711.9,	2.6,	2.6,	0.0);	(399442.8,

3736711.9, 2.7, 2.7, 0.0);
 (399462.8, 3736711.9, 2.7, 2.7, 0.0); (399482.8,
 3736711.9, 2.7, 2.7, 0.0);
 (399502.8, 3736711.9, 2.8, 2.8, 0.0); (399522.8,
 3736711.9, 2.8, 2.8, 0.0);
 (399542.8, 3736711.9, 3.1, 3.1, 0.0); (399562.8,
 3736711.9, 3.3, 3.3, 0.0);
 (399582.8, 3736711.9, 3.3, 3.3, 0.0); (399602.8,
 3736711.9, 2.8, 2.8, 0.0);
 (399622.8, 3736711.9, 2.4, 2.4, 0.0); (399642.8,
 3736711.9, 2.4, 2.4, 0.0);
 (399662.8, 3736711.9, 2.1, 2.1, 0.0); (399682.8,
 3736711.9, 2.1, 2.1, 0.0);
 (399702.8, 3736711.9, 1.3, 2.4, 0.0); (399722.8,
 3736711.9, 2.5, 2.5, 0.0);
 (399742.8, 3736711.9, 3.1, 3.1, 0.0); (399762.8,
 3736711.9, 2.8, 2.8, 0.0);
 (399782.8, 3736711.9, 2.3, 2.3, 0.0); (399802.8,
 3736711.9, 1.7, 1.7, 0.0);
 (399822.8, 3736711.9, 1.3, 1.3, 0.0); (399842.8,
 3736711.9, 2.2, 2.2, 0.0);
 (399862.8, 3736711.9, 2.3, 2.3, 0.0); (399882.8,
 3736711.9, 2.2, 2.2, 0.0);
 (399902.8, 3736711.9, 2.6, 2.6, 0.0); (399922.8,
 3736711.9, 2.8, 2.8, 0.0);
 (399942.8, 3736711.9, 3.0, 3.0, 0.0); (399962.8,
 3736711.9, 3.0, 3.0, 0.0);
 (399982.8, 3736711.9, 3.0, 3.0, 0.0); (400002.8,
 3736711.9, 3.0, 3.0, 0.0);
 (400022.8, 3736711.9, 3.1, 3.1, 0.0); (400042.8,
 3736711.9, 3.0, 3.0, 0.0);
 (400062.8, 3736711.9, 2.7, 2.7, 0.0); (400082.8,
 3736711.9, 2.6, 2.6, 0.0);
 (400102.8, 3736711.9, 3.1, 3.1, 0.0); (400122.8,
 3736711.9, 3.7, 3.7, 0.0);
 (400142.8, 3736711.9, 3.6, 3.6, 0.0); (400162.8,
 3736711.9, 3.0, 3.0, 0.0);
 (400182.8, 3736711.9, 3.3, 3.3, 0.0); (398682.8,
 3736731.9, 3.7, 3.7, 0.0);
 (398702.8, 3736731.9, 3.6, 3.6, 0.0); (398722.8,
 3736731.9, 3.4, 3.4, 0.0);
 (398742.8, 3736731.9, 3.2, 3.2, 0.0); (398762.8,
 3736731.9, 3.1, 3.1, 0.0);
 (398782.8, 3736731.9, 3.1, 3.1, 0.0); (398802.8,
 3736731.9, 2.4, 2.4, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(398822.8, 3736731.9,	0.2,	2.8,	0.0);	(398842.8,
3736731.9, 2.7,	2.7,	0.0);		
(398862.8, 3736731.9,	2.6,	2.6,	0.0);	(398882.8,
3736731.9, 2.7,	2.7,	0.0);		
(398902.8, 3736731.9,	2.5,	2.5,	0.0);	(398922.8,
3736731.9, 2.3,	2.3,	0.0);		
(398942.8, 3736731.9,	2.7,	2.7,	0.0);	(398962.8,
3736731.9, 2.5,	2.5,	0.0);		
(398982.8, 3736731.9,	2.5,	2.5,	0.0);	(399002.8,
3736731.9, 2.5,	2.5,	0.0);		
(399022.8, 3736731.9,	2.4,	2.4,	0.0);	(399042.8,
3736731.9, 2.6,	2.6,	0.0);		
(399062.8, 3736731.9,	2.6,	2.6,	0.0);	(399082.8,
3736731.9, 2.6,	2.6,	0.0);		
(399102.8, 3736731.9,	2.5,	2.5,	0.0);	(399122.8,
3736731.9, 2.5,	2.5,	0.0);		
(399142.8, 3736731.9,	2.6,	2.6,	0.0);	(399162.8,
3736731.9, 2.4,	2.4,	0.0);		
(399182.8, 3736731.9,	2.6,	2.6,	0.0);	(399202.8,
3736731.9, 2.8,	2.8,	0.0);		
(399222.8, 3736731.9,	2.8,	2.8,	0.0);	(399242.8,
3736731.9, 2.8,	2.8,	0.0);		
(399262.8, 3736731.9,	2.6,	2.6,	0.0);	(399282.8,
3736731.9, 2.6,	2.6,	0.0);		
(399302.8, 3736731.9,	2.7,	2.7,	0.0);	(399322.8,
3736731.9, 2.9,	2.9,	0.0);		
(399342.8, 3736731.9,	2.9,	2.9,	0.0);	(399362.8,
3736731.9, 2.8,	2.8,	0.0);		
(399382.8, 3736731.9,	2.8,	2.8,	0.0);	(399402.8,
3736731.9, 2.8,	2.8,	0.0);		
(399422.8, 3736731.9,	2.8,	2.8,	0.0);	(399442.8,
3736731.9, 2.8,	2.8,	0.0);		
(399462.8, 3736731.9,	2.7,	2.7,	0.0);	(399482.8,
3736731.9, 2.7,	2.7,	0.0);		
(399502.8, 3736731.9,	2.6,	2.6,	0.0);	(399522.8,
3736731.9, 2.9,	2.9,	0.0);		
(399542.8, 3736731.9,	3.2,	3.2,	0.0);	(399562.8,
3736731.9, 3.3,	3.3,	0.0);		
(399582.8, 3736731.9,	3.1,	3.1,	0.0);	(399602.8,
3736731.9, 2.5,	2.5,	0.0);		
(399622.8, 3736731.9,	2.4,	2.4,	0.0);	(399642.8,
3736731.9, 2.2,	2.2,	0.0);		
(399662.8, 3736731.9,	2.2,	2.2,	0.0);	(399682.8,

3736731.9, 2.4, 2.4, 0.0);
 (399702.8, 3736731.9, 1.9, 2.3, 0.0); (399722.8,
 3736731.9, 2.8, 2.8, 0.0);
 (399742.8, 3736731.9, 3.1, 3.1, 0.0); (399762.8,
 3736731.9, 2.6, 2.6, 0.0);
 (399782.8, 3736731.9, 2.4, 2.4, 0.0); (399802.8,
 3736731.9, 2.4, 2.4, 0.0);
 (399822.8, 3736731.9, 2.1, 2.1, 0.0); (399842.8,
 3736731.9, 1.4, 1.4, 0.0);
 (399862.8, 3736731.9, 1.9, 1.9, 0.0); (399882.8,
 3736731.9, 2.5, 2.5, 0.0);
 (399902.8, 3736731.9, 3.0, 3.0, 0.0); (399922.8,
 3736731.9, 3.0, 3.0, 0.0);
 (399942.8, 3736731.9, 3.0, 3.0, 0.0); (399962.8,
 3736731.9, 3.0, 3.0, 0.0);
 (399982.8, 3736731.9, 3.0, 3.0, 0.0); (400002.8,
 3736731.9, 2.9, 2.9, 0.0);
 (400022.8, 3736731.9, 3.0, 3.0, 0.0); (400042.8,
 3736731.9, 2.9, 2.9, 0.0);
 (400062.8, 3736731.9, 2.5, 2.5, 0.0); (400082.8,
 3736731.9, 2.7, 2.7, 0.0);
 (400102.8, 3736731.9, 3.5, 3.5, 0.0); (400122.8,
 3736731.9, 3.6, 3.6, 0.0);
 (400142.8, 3736731.9, 3.3, 3.3, 0.0); (400162.8,
 3736731.9, 3.1, 3.1, 0.0);
 (400182.8, 3736731.9, 3.3, 3.3, 0.0); (398682.8,
 3736751.9, 3.6, 3.6, 0.0);
 (398702.8, 3736751.9, 3.4, 3.4, 0.0); (398722.8,
 3736751.9, 3.3, 3.3, 0.0);
 (398742.8, 3736751.9, 3.1, 3.1, 0.0); (398762.8,
 3736751.9, 3.1, 3.1, 0.0);
 (398782.8, 3736751.9, 3.1, 3.1, 0.0); (398802.8,
 3736751.9, 1.4, 2.8, 0.0);
 (398822.8, 3736751.9, 1.3, 2.6, 0.0); (398842.8,
 3736751.9, 2.7, 2.7, 0.0);
 (398862.8, 3736751.9, 2.7, 2.7, 0.0); (398882.8,
 3736751.9, 2.6, 2.6, 0.0);
 (398902.8, 3736751.9, 2.5, 2.5, 0.0); (398922.8,
 3736751.9, 2.4, 2.4, 0.0);
 (398942.8, 3736751.9, 2.7, 2.7, 0.0); (398962.8,
 3736751.9, 2.6, 2.6, 0.0);
 (398982.8, 3736751.9, 2.5, 2.5, 0.0); (399002.8,
 3736751.9, 2.5, 2.5, 0.0);
 (399022.8, 3736751.9, 2.4, 2.4, 0.0); (399042.8,
 3736751.9, 2.4, 2.4, 0.0);
 (399062.8, 3736751.9, 2.5, 2.5, 0.0); (399082.8,
 3736751.9, 2.5, 2.5, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***

*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399102.8, 3736751.9,	2.6,	2.6,	0.0);	(399122.8,
3736751.9,	2.5,	2.5,	0.0);	
(399142.8, 3736751.9,	2.4,	2.4,	0.0);	(399162.8,
3736751.9,	2.5,	2.5,	0.0);	
(399182.8, 3736751.9,	2.5,	2.5,	0.0);	(399202.8,
3736751.9,	2.8,	2.8,	0.0);	
(399222.8, 3736751.9,	2.8,	2.8,	0.0);	(399242.8,
3736751.9,	2.5,	2.5,	0.0);	
(399262.8, 3736751.9,	2.5,	2.5,	0.0);	(399282.8,
3736751.9,	2.6,	2.6,	0.0);	
(399302.8, 3736751.9,	2.7,	2.7,	0.0);	(399322.8,
3736751.9,	2.9,	2.9,	0.0);	
(399342.8, 3736751.9,	3.0,	3.0,	0.0);	(399362.8,
3736751.9,	3.0,	3.0,	0.0);	
(399382.8, 3736751.9,	2.9,	2.9,	0.0);	(399402.8,
3736751.9,	2.8,	2.8,	0.0);	
(399422.8, 3736751.9,	2.8,	2.8,	0.0);	(399442.8,
3736751.9,	3.0,	3.0,	0.0);	
(399462.8, 3736751.9,	2.8,	2.8,	0.0);	(399482.8,
3736751.9,	2.7,	2.7,	0.0);	
(399502.8, 3736751.9,	2.7,	2.7,	0.0);	(399522.8,
3736751.9,	2.8,	2.8,	0.0);	
(399542.8, 3736751.9,	3.1,	3.1,	0.0);	(399562.8,
3736751.9,	3.2,	3.2,	0.0);	
(399582.8, 3736751.9,	3.2,	3.2,	0.0);	(399602.8,
3736751.9,	2.7,	2.7,	0.0);	
(399622.8, 3736751.9,	2.3,	2.3,	0.0);	(399642.8,
3736751.9,	2.2,	2.2,	0.0);	
(399662.8, 3736751.9,	2.4,	2.4,	0.0);	(399682.8,
3736751.9,	2.7,	2.7,	0.0);	
(399702.8, 3736751.9,	2.7,	2.7,	0.0);	(399722.8,
3736751.9,	2.8,	2.8,	0.0);	
(399742.8, 3736751.9,	2.7,	2.7,	0.0);	(399762.8,
3736751.9,	2.6,	2.6,	0.0);	
(399782.8, 3736751.9,	2.8,	2.8,	0.0);	(399802.8,
3736751.9,	3.1,	3.1,	0.0);	
(399822.8, 3736751.9,	2.5,	2.5,	0.0);	(399842.8,
3736751.9,	2.5,	2.5,	0.0);	
(399862.8, 3736751.9,	1.7,	1.7,	0.0);	(399882.8,
3736751.9,	1.5,	1.5,	0.0);	
(399902.8, 3736751.9,	2.6,	2.6,	0.0);	(399922.8,

3736751.9, 2.8, 2.8, 0.0);
 (399942.8, 3736751.9, 3.0, 3.0, 0.0); (399962.8,
 3736751.9, 3.0, 3.0, 0.0);
 (399982.8, 3736751.9, 2.8, 2.8, 0.0); (400002.8,
 3736751.9, 2.8, 2.8, 0.0);
 (400022.8, 3736751.9, 2.6, 2.6, 0.0); (400042.8,
 3736751.9, 2.5, 2.5, 0.0);
 (400062.8, 3736751.9, 2.5, 2.5, 0.0); (400082.8,
 3736751.9, 3.0, 3.0, 0.0);
 (400102.8, 3736751.9, 3.6, 3.6, 0.0); (400122.8,
 3736751.9, 3.9, 3.9, 0.0);
 (400142.8, 3736751.9, 3.4, 3.4, 0.0); (400162.8,
 3736751.9, 3.1, 3.1, 0.0);
 (400182.8, 3736751.9, 3.5, 3.5, 0.0); (398682.8,
 3736771.9, 3.6, 3.6, 0.0);
 (398702.8, 3736771.9, 3.5, 3.5, 0.0); (398722.8,
 3736771.9, 3.3, 3.3, 0.0);
 (398742.8, 3736771.9, 3.1, 3.1, 0.0); (398762.8,
 3736771.9, 3.1, 3.1, 0.0);
 (398782.8, 3736771.9, 2.9, 2.9, 0.0); (398802.8,
 3736771.9, -0.1, 3.2, 0.0);
 (398822.8, 3736771.9, 2.3, 2.3, 0.0); (398842.8,
 3736771.9, 2.7, 2.7, 0.0);
 (398862.8, 3736771.9, 2.7, 2.7, 0.0); (398882.8,
 3736771.9, 2.6, 2.6, 0.0);
 (398902.8, 3736771.9, 2.4, 2.4, 0.0); (398922.8,
 3736771.9, 2.5, 2.5, 0.0);
 (398942.8, 3736771.9, 2.8, 2.8, 0.0); (398962.8,
 3736771.9, 2.9, 2.9, 0.0);
 (398982.8, 3736771.9, 2.8, 2.8, 0.0); (399002.8,
 3736771.9, 2.5, 2.5, 0.0);
 (399022.8, 3736771.9, 2.4, 2.4, 0.0); (399042.8,
 3736771.9, 2.4, 2.4, 0.0);
 (399062.8, 3736771.9, 2.4, 2.4, 0.0); (399082.8,
 3736771.9, 2.4, 2.4, 0.0);
 (399102.8, 3736771.9, 2.6, 2.6, 0.0); (399122.8,
 3736771.9, 2.4, 2.4, 0.0);
 (399142.8, 3736771.9, 2.5, 2.5, 0.0); (399162.8,
 3736771.9, 2.6, 2.6, 0.0);
 (399182.8, 3736771.9, 2.8, 2.8, 0.0); (399202.8,
 3736771.9, 2.7, 2.7, 0.0);
 (399222.8, 3736771.9, 2.6, 2.6, 0.0); (399242.8,
 3736771.9, 2.5, 2.5, 0.0);
 (399262.8, 3736771.9, 2.5, 2.5, 0.0); (399282.8,
 3736771.9, 2.6, 2.6, 0.0);
 (399302.8, 3736771.9, 2.9, 2.9, 0.0); (399322.8,
 3736771.9, 3.0, 3.0, 0.0);
 (399342.8, 3736771.9, 3.0, 3.0, 0.0); (399362.8,
 3736771.9, 3.0, 3.0, 0.0);

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399382.8, 3736771.9,	3.0,	3.0,	0.0);	(399402.8,
3736771.9, 2.9, 2.9,	0.0);			
(399422.8, 3736771.9,	2.9,	2.9,	0.0);	(399442.8,
3736771.9, 2.9, 2.9,	0.0);			
(399462.8, 3736771.9,	2.9,	2.9,	0.0);	(399482.8,
3736771.9, 2.7, 2.7,	0.0);			
(399502.8, 3736771.9,	2.6,	2.6,	0.0);	(399522.8,
3736771.9, 1.8, 2.2,	0.0);			
(399542.8, 3736771.9,	1.2,	3.1,	0.0);	(399562.8,
3736771.9, 2.6, 2.6,	0.0);			
(399582.8, 3736771.9,	3.1,	3.1,	0.0);	(399602.8,
3736771.9, 2.8, 2.8,	0.0);			
(399622.8, 3736771.9,	2.3,	2.3,	0.0);	(399642.8,
3736771.9, 2.3, 2.3,	0.0);			
(399662.8, 3736771.9,	2.6,	2.6,	0.0);	(399682.8,
3736771.9, 2.6, 2.6,	0.0);			
(399702.8, 3736771.9,	2.8,	2.8,	0.0);	(399722.8,
3736771.9, 2.8, 2.8,	0.0);			
(399742.8, 3736771.9,	2.8,	2.8,	0.0);	(399762.8,
3736771.9, 2.7, 2.7,	0.0);			
(399782.8, 3736771.9,	3.0,	3.0,	0.0);	(399802.8,
3736771.9, 3.8, 3.8,	0.0);			
(399822.8, 3736771.9,	3.1,	3.1,	0.0);	(399842.8,
3736771.9, 2.5, 2.5,	0.0);			
(399862.8, 3736771.9,	2.5,	2.5,	0.0);	(399882.8,
3736771.9, 2.2, 2.2,	0.0);			
(399902.8, 3736771.9,	1.4,	1.4,	0.0);	(399922.8,
3736771.9, 2.1, 2.1,	0.0);			
(399942.8, 3736771.9,	2.8,	2.8,	0.0);	(399962.8,
3736771.9, 3.0, 3.0,	0.0);			
(399982.8, 3736771.9,	2.8,	2.8,	0.0);	(400002.8,
3736771.9, 2.6, 2.6,	0.0);			
(400022.8, 3736771.9,	2.4,	2.4,	0.0);	(400042.8,
3736771.9, 2.4, 2.4,	0.0);			
(400062.8, 3736771.9,	2.8,	2.8,	0.0);	(400082.8,
3736771.9, 2.9, 2.9,	0.0);			
(400102.8, 3736771.9,	3.4,	3.4,	0.0);	(400122.8,
3736771.9, 3.5, 3.5,	0.0);			
(400142.8, 3736771.9,	3.3,	3.3,	0.0);	(400162.8,

3736771.9, 3.6, 3.6, 0.0);
(400182.8, 3736771.9, 3.6, 3.6, 0.0); (398682.8,
3736791.9, 3.7, 3.7, 0.0);
(398702.8, 3736791.9, 3.4, 3.4, 0.0); (398722.8,
3736791.9, 3.3, 3.3, 0.0);
(398742.8, 3736791.9, 3.2, 3.2, 0.0); (398762.8,
3736791.9, 3.2, 3.2, 0.0);
(398782.8, 3736791.9, 2.6, 2.6, 0.0); (398802.8,
3736791.9, -0.5, 3.1, 0.0);
(398822.8, 3736791.9, 2.8, 2.8, 0.0); (398842.8,
3736791.9, 2.7, 2.7, 0.0);
(398862.8, 3736791.9, 2.7, 2.7, 0.0); (398882.8,
3736791.9, 2.5, 2.5, 0.0);
(398902.8, 3736791.9, 2.4, 2.4, 0.0); (398922.8,
3736791.9, 2.7, 2.7, 0.0);
(398942.8, 3736791.9, 2.8, 2.8, 0.0); (398962.8,
3736791.9, 3.0, 3.0, 0.0);
(398982.8, 3736791.9, 2.8, 2.8, 0.0); (399002.8,
3736791.9, 2.8, 2.8, 0.0);
(399022.8, 3736791.9, 2.6, 2.6, 0.0); (399042.8,
3736791.9, 2.4, 2.4, 0.0);
(399062.8, 3736791.9, 2.4, 2.4, 0.0); (399082.8,
3736791.9, 2.5, 2.5, 0.0);
(399102.8, 3736791.9, 2.7, 2.7, 0.0); (399122.8,
3736791.9, 2.4, 2.4, 0.0);
(399142.8, 3736791.9, 2.6, 2.6, 0.0); (399162.8,
3736791.9, 2.7, 2.7, 0.0);
(399182.8, 3736791.9, 2.6, 2.6, 0.0); (399202.8,
3736791.9, 2.7, 2.7, 0.0);
(399222.8, 3736791.9, 2.4, 2.4, 0.0); (399242.8,
3736791.9, 2.4, 2.4, 0.0);
(399262.8, 3736791.9, 2.5, 2.5, 0.0); (399282.8,
3736791.9, 2.7, 2.7, 0.0);
(399302.8, 3736791.9, 2.9, 2.9, 0.0); (399322.8,
3736791.9, 2.9, 2.9, 0.0);
(399342.8, 3736791.9, 3.0, 3.0, 0.0); (399362.8,
3736791.9, 3.1, 3.1, 0.0);
(399382.8, 3736791.9, 2.9, 2.9, 0.0); (399402.8,
3736791.9, 3.0, 3.0, 0.0);
(399422.8, 3736791.9, 3.0, 3.0, 0.0); (399442.8,
3736791.9, 3.0, 3.0, 0.0);
(399462.8, 3736791.9, 2.9, 2.9, 0.0); (399482.8,
3736791.9, 2.7, 2.7, 0.0);
(399502.8, 3736791.9, 2.5, 2.5, 0.0); (399522.8,
3736791.9, 0.2, 2.6, 0.0);
(399542.8, 3736791.9, -0.5, 3.1, 0.0); (399562.8,
3736791.9, 1.1, 3.0, 0.0);
(399582.8, 3736791.9, 2.9, 2.9, 0.0); (399602.8,
3736791.9, 2.4, 2.4, 0.0);
(399622.8, 3736791.9, 2.3, 2.3, 0.0); (399642.8,

3736791.9, 2.5, 2.5, 0.0);
▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399662.8, 3736791.9,	2.6,	2.6,	0.0);	(399682.8,
3736791.9, 2.6,	2.6,	0.0);		
(399702.8, 3736791.9,	2.6,	2.6,	0.0);	(399722.8,
3736791.9, 2.8,	2.8,	0.0);		
(399742.8, 3736791.9,	3.0,	3.0,	0.0);	(399762.8,
3736791.9, 2.9,	2.9,	0.0);		
(399782.8, 3736791.9,	2.9,	2.9,	0.0);	(399802.8,
3736791.9, 3.5,	3.5,	0.0);		
(399822.8, 3736791.9,	3.3,	3.3,	0.0);	(399842.8,
3736791.9, 2.8,	2.8,	0.0);		
(399862.8, 3736791.9,	2.9,	2.9,	0.0);	(399882.8,
3736791.9, 2.9,	2.9,	0.0);		
(399902.8, 3736791.9,	2.4,	2.4,	0.0);	(399922.8,
3736791.9, 1.8,	1.8,	0.0);		
(399942.8, 3736791.9,	1.7,	1.7,	0.0);	(399962.8,
3736791.9, 2.6,	2.6,	0.0);		
(399982.8, 3736791.9,	2.7,	2.7,	0.0);	(400002.8,
3736791.9, 2.4,	2.4,	0.0);		
(400022.8, 3736791.9,	2.4,	2.4,	0.0);	(400042.8,
3736791.9, 2.6,	2.6,	0.0);		
(400062.8, 3736791.9,	2.8,	2.8,	0.0);	(400082.8,
3736791.9, 2.9,	2.9,	0.0);		
(400102.8, 3736791.9,	3.3,	3.3,	0.0);	(400122.8,
3736791.9, 3.3,	3.3,	0.0);		
(400142.8, 3736791.9,	3.8,	3.8,	0.0);	(400162.8,
3736791.9, 3.7,	3.7,	0.0);		
(400182.8, 3736791.9,	3.7,	3.7,	0.0);	(398682.8,
3736811.9, 3.7,	3.7,	0.0);		
(398702.8, 3736811.9,	3.4,	3.4,	0.0);	(398722.8,
3736811.9, 3.2,	3.2,	0.0);		
(398742.8, 3736811.9,	3.2,	3.2,	0.0);	(398762.8,
3736811.9, 3.1,	3.1,	0.0);		
(398782.8, 3736811.9,	1.9,	2.8,	0.0);	(398802.8,
3736811.9, 0.9,	2.9,	0.0);		
(398822.8, 3736811.9,	2.8,	2.8,	0.0);	(398842.8,
3736811.9, 2.8,	2.8,	0.0);		
(398862.8, 3736811.9,	2.8,	2.8,	0.0);	(398882.8,

3736811.9, 2.7, 2.7, 0.0);
(398902.8, 3736811.9, 2.5, 2.5, 0.0); (398922.8,
3736811.9, 2.9, 2.9, 0.0);
(398942.8, 3736811.9, 2.9, 2.9, 0.0); (398962.8,
3736811.9, 2.9, 2.9, 0.0);
(398982.8, 3736811.9, 2.8, 2.8, 0.0); (399002.8,
3736811.9, 2.8, 2.8, 0.0);
(399022.8, 3736811.9, 2.7, 2.7, 0.0); (399042.8,
3736811.9, 2.6, 2.6, 0.0);
(399062.8, 3736811.9, 2.5, 2.5, 0.0); (399082.8,
3736811.9, 2.6, 2.6, 0.0);
(399102.8, 3736811.9, 2.4, 2.4, 0.0); (399122.8,
3736811.9, 2.6, 2.6, 0.0);
(399142.8, 3736811.9, 2.6, 2.6, 0.0); (399162.8,
3736811.9, 2.7, 2.7, 0.0);
(399182.8, 3736811.9, 2.7, 2.7, 0.0); (399202.8,
3736811.9, 2.4, 2.4, 0.0);
(399222.8, 3736811.9, 2.4, 2.4, 0.0); (399242.8,
3736811.9, 2.4, 2.4, 0.0);
(399262.8, 3736811.9, 2.5, 2.5, 0.0); (399282.8,
3736811.9, 2.9, 2.9, 0.0);
(399302.8, 3736811.9, 2.8, 2.8, 0.0); (399322.8,
3736811.9, 2.9, 2.9, 0.0);
(399342.8, 3736811.9, 3.0, 3.0, 0.0); (399362.8,
3736811.9, 3.0, 3.0, 0.0);
(399382.8, 3736811.9, 3.1, 3.1, 0.0); (399402.8,
3736811.9, 3.0, 3.0, 0.0);
(399422.8, 3736811.9, 2.9, 2.9, 0.0); (399442.8,
3736811.9, 3.0, 3.0, 0.0);
(399462.8, 3736811.9, 3.0, 3.0, 0.0); (399482.8,
3736811.9, 2.7, 2.7, 0.0);
(399502.8, 3736811.9, 2.6, 2.6, 0.0); (399522.8,
3736811.9, 1.7, 1.7, 0.0);
(399542.8, 3736811.9, 0.5, 2.5, 0.0); (399562.8,
3736811.9, 2.0, 2.0, 0.0);
(399582.8, 3736811.9, 2.5, 2.5, 0.0); (399602.8,
3736811.9, 2.3, 2.3, 0.0);
(399622.8, 3736811.9, 2.3, 2.3, 0.0); (399642.8,
3736811.9, 2.5, 2.5, 0.0);
(399662.8, 3736811.9, 2.6, 2.6, 0.0); (399682.8,
3736811.9, 2.6, 2.6, 0.0);
(399702.8, 3736811.9, 2.5, 2.5, 0.0); (399722.8,
3736811.9, 2.5, 2.5, 0.0);
(399742.8, 3736811.9, 2.8, 2.8, 0.0); (399762.8,
3736811.9, 3.1, 3.1, 0.0);
(399782.8, 3736811.9, 3.0, 3.0, 0.0); (399802.8,
3736811.9, 3.0, 3.0, 0.0);
(399822.8, 3736811.9, 2.8, 2.8, 0.0); (399842.8,
3736811.9, 2.4, 2.4, 0.0);
(399862.8, 3736811.9, 3.1, 3.1, 0.0); (399882.8,


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3736811.9,      2.9,      2.9,      0.0);
( 399902.8, 3736811.9,      2.6,      2.6,      0.0);      ( 399922.8,
3736811.9,      2.6,      2.6,      0.0);
^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 399942.8, 3736811.9,      2.2,      2.2,      0.0);      ( 399962.8,
3736811.9,      1.5,      1.5,      0.0);
( 399982.8, 3736811.9,      2.1,      2.1,      0.0);      ( 400002.8,
3736811.9,      2.4,      2.4,      0.0);
( 400022.8, 3736811.9,      2.4,      2.4,      0.0);      ( 400042.8,
3736811.9,      2.8,      2.8,      0.0);
( 400062.8, 3736811.9,      2.9,      2.9,      0.0);      ( 400082.8,
3736811.9,      2.9,      2.9,      0.0);
( 400102.8, 3736811.9,      3.3,      3.3,      0.0);      ( 400122.8,
3736811.9,      3.3,      3.3,      0.0);
( 400142.8, 3736811.9,      3.6,      3.6,      0.0);      ( 400162.8,
3736811.9,      3.6,      3.6,      0.0);
( 400182.8, 3736811.9,      3.9,      3.9,      0.0);      ( 398682.8,
3736831.9,      3.8,      3.8,      0.0);
( 398702.8, 3736831.9,      3.4,      3.4,      0.0);      ( 398722.8,
3736831.9,      3.1,      3.1,      0.0);
( 398742.8, 3736831.9,      3.2,      3.2,      0.0);      ( 398762.8,
3736831.9,      3.0,      3.0,      0.0);
( 398782.8, 3736831.9,      0.9,      2.9,      0.0);      ( 398802.8,
3736831.9,      2.4,      2.4,      0.0);
( 398822.8, 3736831.9,      2.9,      2.9,      0.0);      ( 398842.8,
3736831.9,      2.9,      2.9,      0.0);
( 398862.8, 3736831.9,      2.9,      2.9,      0.0);      ( 398882.8,
3736831.9,      2.8,      2.8,      0.0);
( 398902.8, 3736831.9,      2.6,      2.6,      0.0);      ( 398922.8,
3736831.9,      3.0,      3.0,      0.0);
( 398942.8, 3736831.9,      2.9,      2.9,      0.0);      ( 398962.8,
3736831.9,      2.9,      2.9,      0.0);
( 398982.8, 3736831.9,      2.9,      2.9,      0.0);      ( 399002.8,
3736831.9,      2.8,      2.8,      0.0);
( 399022.8, 3736831.9,      2.8,      2.8,      0.0);      ( 399042.8,
3736831.9,      2.8,      2.8,      0.0);
( 399062.8, 3736831.9,      2.6,      2.6,      0.0);      ( 399082.8,
3736831.9,      2.5,      2.5,      0.0);
( 399102.8, 3736831.9,      2.6,      2.6,      0.0);      ( 399122.8,

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3736831.9, 2.5, 2.5, 0.0);
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(399382.8, 3736831.9, 3.1, 3.1, 0.0); (399402.8,
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(399542.8, 3736831.9, 2.5, 2.5, 0.0); (399562.8,
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(399582.8, 3736831.9, 2.3, 2.3, 0.0); (399602.8,
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(399622.8, 3736831.9, 2.5, 2.5, 0.0); (399642.8,
3736831.9, 2.4, 2.4, 0.0);
(399662.8, 3736831.9, 2.4, 2.4, 0.0); (399682.8,
3736831.9, 2.5, 2.5, 0.0);
(399702.8, 3736831.9, 2.5, 2.5, 0.0); (399722.8,
3736831.9, 2.5, 2.5, 0.0);
(399742.8, 3736831.9, 2.6, 2.6, 0.0); (399762.8,
3736831.9, 2.7, 2.7, 0.0);
(399782.8, 3736831.9, 3.0, 3.0, 0.0); (399802.8,
3736831.9, 3.1, 3.1, 0.0);
(399822.8, 3736831.9, 3.0, 3.0, 0.0); (399842.8,
3736831.9, 2.5, 2.5, 0.0);
(399862.8, 3736831.9, 2.5, 2.5, 0.0); (399882.8,
3736831.9, 2.4, 2.4, 0.0);
(399902.8, 3736831.9, 3.1, 3.1, 0.0); (399922.8,
3736831.9, 2.9, 2.9, 0.0);
(399942.8, 3736831.9, 2.7, 2.7, 0.0); (399962.8,
3736831.9, 2.4, 2.4, 0.0);
(399982.8, 3736831.9, 1.8, 1.8, 0.0); (400002.8,
3736831.9, 1.9, 1.9, 0.0);
(400022.8, 3736831.9, 2.6, 2.6, 0.0); (400042.8,
3736831.9, 2.9, 2.9, 0.0);
(400062.8, 3736831.9, 2.9, 2.9, 0.0); (400082.8,
3736831.9, 3.0, 3.0, 0.0);
(400102.8, 3736831.9, 3.4, 3.4, 0.0); (400122.8,

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3736831.9,      3.3,      3.3,      0.0);
( 400142.8, 3736831.9,      3.4,      3.4,      0.0);      ( 400162.8,
3736831.9,      3.9,      3.9,      0.0);
( 400182.8, 3736831.9,      3.9,      3.9,      0.0);      ( 398682.8,
3736851.9,      3.9,      3.9,      0.0);
^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      ***      10:15:03

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PAGE 38

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 398702.8, 3736851.9,      3.5,      3.5,      0.0);      ( 398722.8,
3736851.9,      3.2,      3.2,      0.0);
( 398742.8, 3736851.9,      3.2,      3.2,      0.0);      ( 398762.8,
3736851.9,      2.9,      2.9,      0.0);
( 398782.8, 3736851.9,      0.1,      3.1,      0.0);      ( 398802.8,
3736851.9,      2.9,      2.9,      0.0);
( 398822.8, 3736851.9,      3.0,      3.0,      0.0);      ( 398842.8,
3736851.9,      3.0,      3.0,      0.0);
( 398862.8, 3736851.9,      3.0,      3.0,      0.0);      ( 398882.8,
3736851.9,      2.8,      2.8,      0.0);
( 398902.8, 3736851.9,      2.8,      2.8,      0.0);      ( 398922.8,
3736851.9,      3.0,      3.0,      0.0);
( 398942.8, 3736851.9,      3.0,      3.0,      0.0);      ( 398962.8,
3736851.9,      2.9,      2.9,      0.0);
( 398982.8, 3736851.9,      2.8,      2.8,      0.0);      ( 399002.8,
3736851.9,      2.8,      2.8,      0.0);
( 399022.8, 3736851.9,      2.7,      2.7,      0.0);      ( 399042.8,
3736851.9,      2.7,      2.7,      0.0);
( 399062.8, 3736851.9,      2.7,      2.7,      0.0);      ( 399082.8,
3736851.9,      2.5,      2.5,      0.0);
( 399102.8, 3736851.9,      2.7,      2.7,      0.0);      ( 399122.8,
3736851.9,      2.7,      2.7,      0.0);
( 399142.8, 3736851.9,      2.6,      2.6,      0.0);      ( 399162.8,
3736851.9,      2.7,      2.7,      0.0);
( 399182.8, 3736851.9,      2.6,      2.6,      0.0);      ( 399202.8,
3736851.9,      2.5,      2.5,      0.0);
( 399222.8, 3736851.9,      2.4,      2.4,      0.0);      ( 399242.8,
3736851.9,      2.5,      2.5,      0.0);
( 399262.8, 3736851.9,      2.6,      2.6,      0.0);      ( 399282.8,
3736851.9,      2.6,      2.6,      0.0);
( 399302.8, 3736851.9,      2.7,      2.7,      0.0);      ( 399322.8,
3736851.9,      2.8,      2.8,      0.0);
( 399342.8, 3736851.9,      3.1,      3.1,      0.0);      ( 399362.8,

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3736851.9, 3.0, 3.0, 0.0);
(399382.8, 3736851.9, 3.0, 3.0, 0.0); (399402.8,
3736851.9, 2.7, 2.7, 0.0);
(399422.8, 3736851.9, 2.8, 2.8, 0.0); (399442.8,
3736851.9, 2.8, 2.8, 0.0);
(399462.8, 3736851.9, 3.0, 3.0, 0.0); (399482.8,
3736851.9, 3.0, 3.0, 0.0);
(399502.8, 3736851.9, 2.9, 2.9, 0.0); (399522.8,
3736851.9, 2.7, 2.7, 0.0);
(399542.8, 3736851.9, 2.4, 2.4, 0.0); (399562.8,
3736851.9, 2.4, 2.4, 0.0);
(399582.8, 3736851.9, 2.4, 2.4, 0.0); (399602.8,
3736851.9, 2.5, 2.5, 0.0);
(399622.8, 3736851.9, 2.6, 2.6, 0.0); (399642.8,
3736851.9, 2.7, 2.7, 0.0);
(399662.8, 3736851.9, 2.5, 2.5, 0.0); (399682.8,
3736851.9, 2.4, 2.4, 0.0);
(399702.8, 3736851.9, 2.5, 2.5, 0.0); (399722.8,
3736851.9, 2.5, 2.5, 0.0);
(399742.8, 3736851.9, 2.5, 2.5, 0.0); (399762.8,
3736851.9, 2.9, 2.9, 0.0);
(399782.8, 3736851.9, 3.2, 3.2, 0.0); (399802.8,
3736851.9, 3.1, 3.1, 0.0);
(399822.8, 3736851.9, 3.5, 3.5, 0.0); (399842.8,
3736851.9, 3.8, 3.8, 0.0);
(399862.8, 3736851.9, 3.8, 3.8, 0.0); (399882.8,
3736851.9, 2.9, 2.9, 0.0);
(399902.8, 3736851.9, 2.8, 2.8, 0.0); (399922.8,
3736851.9, 2.6, 2.6, 0.0);
(399942.8, 3736851.9, 2.8, 2.8, 0.0); (399962.8,
3736851.9, 3.2, 3.2, 0.0);
(399982.8, 3736851.9, 2.7, 2.7, 0.0); (400002.8,
3736851.9, 2.1, 2.1, 0.0);
(400022.8, 3736851.9, 1.6, 1.6, 0.0); (400042.8,
3736851.9, 2.4, 2.4, 0.0);
(400062.8, 3736851.9, 2.8, 2.8, 0.0); (400082.8,
3736851.9, 3.1, 3.1, 0.0);
(400102.8, 3736851.9, 3.3, 3.3, 0.0); (400122.8,
3736851.9, 3.4, 3.4, 0.0);
(400142.8, 3736851.9, 3.3, 3.3, 0.0); (400162.8,
3736851.9, 3.8, 3.8, 0.0);
(400182.8, 3736851.9, 3.8, 3.8, 0.0); (398682.8,
3736871.9, 3.7, 3.7, 0.0);
(398702.8, 3736871.9, 3.5, 3.5, 0.0); (398722.8,
3736871.9, 3.3, 3.3, 0.0);
(398742.8, 3736871.9, 3.2, 3.2, 0.0); (398762.8,
3736871.9, 2.3, 2.9, 0.0);
(398782.8, 3736871.9, 0.1, 3.2, 0.0); (398802.8,
3736871.9, 3.0, 3.0, 0.0);
(398822.8, 3736871.9, 3.1, 3.1, 0.0); (398842.8,

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3736871.9,      3.0,      3.0,      0.0);
  ( 398862.8, 3736871.9,      3.1,      3.1,      0.0);      ( 398882.8,
3736871.9,      2.7,      2.7,      0.0);
  ( 398902.8, 3736871.9,      2.8,      2.8,      0.0);      ( 398922.8,
3736871.9,      2.9,      2.9,      0.0);
  ( 398942.8, 3736871.9,      2.9,      2.9,      0.0);      ( 398962.8,
3736871.9,      2.9,      2.9,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 398982.8, 3736871.9,      2.6,      2.6,      0.0);      ( 399002.8,
3736871.9,      2.6,      2.6,      0.0);
  ( 399022.8, 3736871.9,      2.7,      2.7,      0.0);      ( 399042.8,
3736871.9,      2.7,      2.7,      0.0);
  ( 399062.8, 3736871.9,      2.6,      2.6,      0.0);      ( 399082.8,
3736871.9,      2.6,      2.6,      0.0);
  ( 399102.8, 3736871.9,      2.6,      2.6,      0.0);      ( 399122.8,
3736871.9,      2.8,      2.8,      0.0);
  ( 399142.8, 3736871.9,      2.7,      2.7,      0.0);      ( 399162.8,
3736871.9,      2.6,      2.6,      0.0);
  ( 399182.8, 3736871.9,      2.6,      2.6,      0.0);      ( 399202.8,
3736871.9,      2.6,      2.6,      0.0);
  ( 399222.8, 3736871.9,      2.6,      2.6,      0.0);      ( 399242.8,
3736871.9,      2.6,      2.6,      0.0);
  ( 399262.8, 3736871.9,      2.9,      2.9,      0.0);      ( 399282.8,
3736871.9,      2.9,      2.9,      0.0);
  ( 399302.8, 3736871.9,      2.7,      2.7,      0.0);      ( 399322.8,
3736871.9,      2.6,      2.6,      0.0);
  ( 399342.8, 3736871.9,      3.0,      3.0,      0.0);      ( 399362.8,
3736871.9,      2.9,      2.9,      0.0);
  ( 399382.8, 3736871.9,      2.8,      2.8,      0.0);      ( 399402.8,
3736871.9,      2.7,      2.7,      0.0);
  ( 399422.8, 3736871.9,      2.7,      2.7,      0.0);      ( 399442.8,
3736871.9,      2.8,      2.8,      0.0);
  ( 399462.8, 3736871.9,      3.1,      3.1,      0.0);      ( 399482.8,
3736871.9,      3.1,      3.1,      0.0);
  ( 399502.8, 3736871.9,      3.0,      3.0,      0.0);      ( 399522.8,
3736871.9,      2.9,      2.9,      0.0);
  ( 399542.8, 3736871.9,      2.8,      2.8,      0.0);      ( 399562.8,
3736871.9,      2.4,      2.4,      0.0);
  ( 399582.8, 3736871.9,      2.5,      2.5,      0.0);      ( 399602.8,

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3736871.9, 2.6, 2.6, 0.0);
(399622.8, 3736871.9, 2.6, 2.6, 0.0); (399642.8,
3736871.9, 2.7, 2.7, 0.0);
(399662.8, 3736871.9, 2.5, 2.5, 0.0); (399682.8,
3736871.9, 2.5, 2.5, 0.0);
(399702.8, 3736871.9, 2.5, 2.5, 0.0); (399722.8,
3736871.9, 2.5, 2.5, 0.0);
(399742.8, 3736871.9, 2.6, 2.6, 0.0); (399762.8,
3736871.9, 3.0, 3.0, 0.0);
(399782.8, 3736871.9, 3.0, 3.0, 0.0); (399802.8,
3736871.9, 3.2, 3.2, 0.0);
(399822.8, 3736871.9, 3.2, 3.2, 0.0); (399842.8,
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(399862.8, 3736871.9, 3.0, 3.0, 0.0); (399882.8,
3736871.9, 2.7, 2.7, 0.0);
(399902.8, 3736871.9, 2.6, 2.6, 0.0); (399922.8,
3736871.9, 2.5, 2.5, 0.0);
(399942.8, 3736871.9, 3.0, 3.0, 0.0); (399962.8,
3736871.9, 3.6, 3.6, 0.0);
(399982.8, 3736871.9, 2.9, 2.9, 0.0); (400002.8,
3736871.9, 2.6, 2.6, 0.0);
(400022.8, 3736871.9, 2.5, 2.5, 0.0); (400042.8,
3736871.9, 1.9, 1.9, 0.0);
(400062.8, 3736871.9, 2.1, 2.1, 0.0); (400082.8,
3736871.9, 3.0, 3.0, 0.0);
(400102.8, 3736871.9, 3.2, 3.2, 0.0); (400122.8,
3736871.9, 3.2, 3.2, 0.0);
(400142.8, 3736871.9, 3.3, 3.3, 0.0); (400162.8,
3736871.9, 3.3, 3.3, 0.0);
(400182.8, 3736871.9, 3.4, 3.4, 0.0); (398682.8,
3736891.9, 3.6, 3.6, 0.0);
(398702.8, 3736891.9, 3.6, 3.6, 0.0); (398722.8,
3736891.9, 3.4, 3.4, 0.0);
(398742.8, 3736891.9, 3.1, 3.1, 0.0); (398762.8,
3736891.9, 1.3, 2.8, 0.0);
(398782.8, 3736891.9, 1.2, 3.1, 0.0); (398802.8,
3736891.9, 3.2, 3.2, 0.0);
(398822.8, 3736891.9, 3.1, 3.1, 0.0); (398842.8,
3736891.9, 3.0, 3.0, 0.0);
(398862.8, 3736891.9, 3.0, 3.0, 0.0); (398882.8,
3736891.9, 2.7, 2.7, 0.0);
(398902.8, 3736891.9, 2.9, 2.9, 0.0); (398922.8,
3736891.9, 2.9, 2.9, 0.0);
(398942.8, 3736891.9, 2.9, 2.9, 0.0); (398962.8,
3736891.9, 2.8, 2.8, 0.0);
(398982.8, 3736891.9, 2.4, 2.4, 0.0); (399002.8,
3736891.9, 2.5, 2.5, 0.0);
(399022.8, 3736891.9, 2.6, 2.6, 0.0); (399042.8,
3736891.9, 2.5, 2.5, 0.0);
(399062.8, 3736891.9, 2.6, 2.6, 0.0); (399082.8,

3736891.9, 2.7, 2.7, 0.0);
 (399102.8, 3736891.9, 2.8, 2.8, 0.0); (399122.8,
 3736891.9, 2.8, 2.8, 0.0);
 (399142.8, 3736891.9, 2.8, 2.8, 0.0); (399162.8,
 3736891.9, 2.7, 2.7, 0.0);
 (399182.8, 3736891.9, 2.6, 2.6, 0.0); (399202.8,
 3736891.9, 2.6, 2.6, 0.0);
 (399222.8, 3736891.9, 2.7, 2.7, 0.0); (399242.8,
 3736891.9, 2.8, 2.8, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD

E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399262.8, 3736891.9, 2.9, 2.9, 0.0); (399282.8,
 3736891.9, 2.8, 2.8, 0.0);
 (399302.8, 3736891.9, 2.9, 2.9, 0.0); (399322.8,
 3736891.9, 2.8, 2.8, 0.0);
 (399342.8, 3736891.9, 2.7, 2.7, 0.0); (399362.8,
 3736891.9, 2.7, 2.7, 0.0);
 (399382.8, 3736891.9, 2.6, 2.6, 0.0); (399402.8,
 3736891.9, 2.7, 2.7, 0.0);
 (399422.8, 3736891.9, 2.7, 2.7, 0.0); (399442.8,
 3736891.9, 3.0, 3.0, 0.0);
 (399462.8, 3736891.9, 3.1, 3.1, 0.0); (399482.8,
 3736891.9, 3.1, 3.1, 0.0);
 (399502.8, 3736891.9, 3.0, 3.0, 0.0); (399522.8,
 3736891.9, 2.9, 2.9, 0.0);
 (399542.8, 3736891.9, 2.6, 2.6, 0.0); (399562.8,
 3736891.9, 2.4, 2.4, 0.0);
 (399582.8, 3736891.9, 2.7, 2.7, 0.0); (399602.8,
 3736891.9, 2.7, 2.7, 0.0);
 (399622.8, 3736891.9, 2.7, 2.7, 0.0); (399642.8,
 3736891.9, 2.7, 2.7, 0.0);
 (399662.8, 3736891.9, 2.5, 2.5, 0.0); (399682.8,
 3736891.9, 2.6, 2.6, 0.0);
 (399702.8, 3736891.9, 2.5, 2.5, 0.0); (399722.8,
 3736891.9, 2.5, 2.5, 0.0);
 (399742.8, 3736891.9, 2.9, 2.9, 0.0); (399762.8,
 3736891.9, 2.9, 2.9, 0.0);
 (399782.8, 3736891.9, 3.1, 3.1, 0.0); (399802.8,
 3736891.9, 3.1, 3.1, 0.0);
 (399822.8, 3736891.9, 3.2, 3.2, 0.0); (399842.8,

3736891.9, 3.3, 3.3, 0.0);
(399862.8, 3736891.9, 3.1, 3.1, 0.0); (399882.8,
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(399902.8, 3736891.9, 2.8, 2.8, 0.0); (399922.8,
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(399942.8, 3736891.9, 3.3, 3.3, 0.0); (399962.8,
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(399982.8, 3736891.9, 3.0, 3.0, 0.0); (400002.8,
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(400022.8, 3736891.9, 2.9, 2.9, 0.0); (400042.8,
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(400062.8, 3736891.9, 2.2, 2.2, 0.0); (400082.8,
3736891.9, 1.9, 2.9, 0.0);
(400102.8, 3736891.9, 3.0, 3.0, 0.0); (400122.8,
3736891.9, 3.4, 3.4, 0.0);
(400142.8, 3736891.9, 3.4, 3.4, 0.0); (400162.8,
3736891.9, 3.4, 3.4, 0.0);
(400182.8, 3736891.9, 3.9, 3.9, 0.0); (398682.8,
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(398702.8, 3736911.9, 3.5, 3.5, 0.0); (398722.8,
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(398742.8, 3736911.9, 3.0, 3.0, 0.0); (398762.8,
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(398782.8, 3736911.9, 2.4, 3.0, 0.0); (398802.8,
3736911.9, 3.2, 3.2, 0.0);
(398822.8, 3736911.9, 3.1, 3.1, 0.0); (398842.8,
3736911.9, 3.1, 3.1, 0.0);
(398862.8, 3736911.9, 2.8, 2.8, 0.0); (398882.8,
3736911.9, 2.7, 2.7, 0.0);
(398902.8, 3736911.9, 2.8, 2.8, 0.0); (398922.8,
3736911.9, 2.9, 2.9, 0.0);
(398942.8, 3736911.9, 2.9, 2.9, 0.0); (398962.8,
3736911.9, 2.5, 2.5, 0.0);
(398982.8, 3736911.9, 2.5, 2.5, 0.0); (399002.8,
3736911.9, 2.6, 2.6, 0.0);
(399022.8, 3736911.9, 2.7, 2.7, 0.0); (399042.8,
3736911.9, 2.5, 2.5, 0.0);
(399062.8, 3736911.9, 2.6, 2.6, 0.0); (399082.8,
3736911.9, 2.7, 2.7, 0.0);
(399102.8, 3736911.9, 2.8, 2.8, 0.0); (399122.8,
3736911.9, 2.8, 2.8, 0.0);
(399142.8, 3736911.9, 2.8, 2.8, 0.0); (399162.8,
3736911.9, 2.8, 2.8, 0.0);
(399182.8, 3736911.9, 2.8, 2.8, 0.0); (399202.8,
3736911.9, 2.6, 2.6, 0.0);
(399222.8, 3736911.9, 2.4, 2.4, 0.0); (399242.8,
3736911.9, 2.7, 2.7, 0.0);
(399262.8, 3736911.9, 2.8, 2.8, 0.0); (399282.8,
3736911.9, 2.8, 2.8, 0.0);
(399302.8, 3736911.9, 2.9, 2.9, 0.0); (399322.8,


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3736911.9,      3.0,      3.0,      0.0);
( 399342.8, 3736911.9,      3.0,      3.0,      0.0);      ( 399362.8,
3736911.9,      2.8,      2.8,      0.0);
( 399382.8, 3736911.9,      2.7,      2.7,      0.0);      ( 399402.8,
3736911.9,      2.7,      2.7,      0.0);
( 399422.8, 3736911.9,      2.8,      2.8,      0.0);      ( 399442.8,
3736911.9,      3.0,      3.0,      0.0);
( 399462.8, 3736911.9,      3.1,      3.1,      0.0);      ( 399482.8,
3736911.9,      3.1,      3.1,      0.0);
( 399502.8, 3736911.9,      3.0,      3.0,      0.0);      ( 399522.8,
3736911.9,      2.8,      2.8,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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PAGE 41

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 399542.8, 3736911.9,      2.5,      2.5,      0.0);      ( 399562.8,
3736911.9,      2.7,      2.7,      0.0);
( 399582.8, 3736911.9,      2.9,      2.9,      0.0);      ( 399602.8,
3736911.9,      2.7,      2.7,      0.0);
( 399622.8, 3736911.9,      2.8,      2.8,      0.0);      ( 399642.8,
3736911.9,      2.8,      2.8,      0.0);
( 399662.8, 3736911.9,      2.9,      2.9,      0.0);      ( 399682.8,
3736911.9,      2.7,      2.7,      0.0);
( 399702.8, 3736911.9,      2.6,      2.6,      0.0);      ( 399722.8,
3736911.9,      2.7,      2.7,      0.0);
( 399742.8, 3736911.9,      3.2,      3.2,      0.0);      ( 399762.8,
3736911.9,      3.0,      3.0,      0.0);
( 399782.8, 3736911.9,      3.2,      3.2,      0.0);      ( 399802.8,
3736911.9,      3.4,      3.4,      0.0);
( 399822.8, 3736911.9,      3.4,      3.4,      0.0);      ( 399842.8,
3736911.9,      3.4,      3.4,      0.0);
( 399862.8, 3736911.9,      3.4,      3.4,      0.0);      ( 399882.8,
3736911.9,      3.2,      3.2,      0.0);
( 399902.8, 3736911.9,      3.0,      3.0,      0.0);      ( 399922.8,
3736911.9,      3.7,      3.7,      0.0);
( 399942.8, 3736911.9,      3.8,      3.8,      0.0);      ( 399962.8,
3736911.9,      3.3,      3.3,      0.0);
( 399982.8, 3736911.9,      3.2,      3.2,      0.0);      ( 400002.8,
3736911.9,      2.9,      2.9,      0.0);
( 400022.8, 3736911.9,      3.0,      3.0,      0.0);      ( 400042.8,
3736911.9,      2.6,      2.6,      0.0);
( 400062.8, 3736911.9,      2.6,      2.6,      0.0);      ( 400082.8,

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(400142.8, 3736911.9, 3.4, 3.4, 0.0); (400162.8,
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(400182.8, 3736911.9, 3.8, 3.8, 0.0); (398682.8,
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(398702.8, 3736931.9, 3.6, 3.6, 0.0); (398722.8,
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(398742.8, 3736931.9, 2.8, 2.8, 0.0); (398762.8,
3736931.9, -0.6, 3.4, 0.0);
(398782.8, 3736931.9, 2.9, 2.9, 0.0); (398802.8,
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(398822.8, 3736931.9, 3.1, 3.1, 0.0); (398842.8,
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(398862.8, 3736931.9, 2.8, 2.8, 0.0); (398882.8,
3736931.9, 2.8, 2.8, 0.0);
(398902.8, 3736931.9, 2.7, 2.7, 0.0); (398922.8,
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(398942.8, 3736931.9, 2.7, 2.7, 0.0); (398962.8,
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(398982.8, 3736931.9, 2.6, 2.6, 0.0); (399002.8,
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(399022.8, 3736931.9, 2.6, 2.6, 0.0); (399042.8,
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(399062.8, 3736931.9, 2.8, 2.8, 0.0); (399082.8,
3736931.9, 2.9, 2.9, 0.0);
(399102.8, 3736931.9, 2.7, 2.7, 0.0); (399122.8,
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(399142.8, 3736931.9, 2.7, 2.7, 0.0); (399162.8,
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(399182.8, 3736931.9, 2.7, 2.7, 0.0); (399202.8,
3736931.9, 2.6, 2.6, 0.0);
(399222.8, 3736931.9, 2.4, 2.4, 0.0); (399242.8,
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(399302.8, 3736931.9, 3.0, 3.0, 0.0); (399322.8,
3736931.9, 3.0, 3.0, 0.0);
(399342.8, 3736931.9, 3.0, 3.0, 0.0); (399362.8,
3736931.9, 3.0, 3.0, 0.0);
(399382.8, 3736931.9, 2.7, 2.7, 0.0); (399402.8,
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(399422.8, 3736931.9, 2.9, 2.9, 0.0); (399442.8,
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(399542.8, 3736931.9, 2.5, 2.5, 0.0); (399562.8,

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 (399582.8, 3736931.9, 2.9, 2.9, 0.0); (399602.8,
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 (399622.8, 3736931.9, 2.9, 2.9, 0.0); (399642.8,
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 (399662.8, 3736931.9, 3.2, 3.2, 0.0); (399682.8,
 3736931.9, 3.1, 3.1, 0.0);
 (399702.8, 3736931.9, 2.9, 2.9, 0.0); (399722.8,
 3736931.9, 3.2, 3.2, 0.0);
 (399742.8, 3736931.9, 3.2, 3.2, 0.0); (399762.8,
 3736931.9, 3.2, 3.2, 0.0);
 (399782.8, 3736931.9, 3.3, 3.3, 0.0); (399802.8,
 3736931.9, 3.4, 3.4, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399822.8, 3736931.9, 3.5, 3.5, 0.0); (399842.8,
 3736931.9, 3.4, 3.4, 0.0);
 (399862.8, 3736931.9, 3.4, 3.4, 0.0); (399882.8,
 3736931.9, 3.6, 3.6, 0.0);
 (399902.8, 3736931.9, 3.4, 3.4, 0.0); (399922.8,
 3736931.9, 3.3, 3.3, 0.0);
 (399942.8, 3736931.9, 3.3, 3.3, 0.0); (399962.8,
 3736931.9, 3.3, 3.3, 0.0);
 (399982.8, 3736931.9, 3.2, 3.2, 0.0); (400002.8,
 3736931.9, 3.1, 3.1, 0.0);
 (400022.8, 3736931.9, 2.9, 2.9, 0.0); (400042.8,
 3736931.9, 2.7, 2.7, 0.0);
 (400062.8, 3736931.9, 2.7, 2.7, 0.0); (400082.8,
 3736931.9, 2.8, 2.8, 0.0);
 (400102.8, 3736931.9, 3.0, 3.0, 0.0); (400122.8,
 3736931.9, 2.9, 2.9, 0.0);
 (400142.8, 3736931.9, 2.7, 2.7, 0.0); (400162.8,
 3736931.9, 3.2, 3.2, 0.0);
 (400182.8, 3736931.9, 3.3, 3.3, 0.0); (398682.8,
 3736951.9, 3.5, 3.5, 0.0);
 (398702.8, 3736951.9, 3.6, 3.6, 0.0); (398722.8,
 3736951.9, 3.3, 3.3, 0.0);
 (398742.8, 3736951.9, 2.1, 3.0, 0.0); (398762.8,
 3736951.9, 0.4, 3.1, 0.0);
 (398782.8, 3736951.9, 3.1, 3.1, 0.0); (398802.8,

3736951.9, 3.0, 3.0, 0.0);
(398822.8, 3736951.9, 3.1, 3.1, 0.0); (398842.8,
3736951.9, 3.0, 3.0, 0.0);
(398862.8, 3736951.9, 2.7, 2.7, 0.0); (398882.8,
3736951.9, 2.8, 2.8, 0.0);
(398902.8, 3736951.9, 2.9, 2.9, 0.0); (398922.8,
3736951.9, 2.7, 2.7, 0.0);
(398942.8, 3736951.9, 2.6, 2.6, 0.0); (398962.8,
3736951.9, 2.5, 2.5, 0.0);
(398982.8, 3736951.9, 2.7, 2.7, 0.0); (399002.8,
3736951.9, 2.7, 2.7, 0.0);
(399022.8, 3736951.9, 2.7, 2.7, 0.0); (399042.8,
3736951.9, 2.9, 2.9, 0.0);
(399062.8, 3736951.9, 2.9, 2.9, 0.0); (399082.8,
3736951.9, 2.8, 2.8, 0.0);
(399102.8, 3736951.9, 2.6, 2.6, 0.0); (399122.8,
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(399142.8, 3736951.9, 2.5, 2.5, 0.0); (399162.8,
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(399182.8, 3736951.9, 2.8, 2.8, 0.0); (399202.8,
3736951.9, 2.5, 2.5, 0.0);
(399222.8, 3736951.9, 2.5, 2.5, 0.0); (399242.8,
3736951.9, 2.6, 2.6, 0.0);
(399262.8, 3736951.9, 2.8, 2.8, 0.0); (399282.8,
3736951.9, 2.9, 2.9, 0.0);
(399302.8, 3736951.9, 3.0, 3.0, 0.0); (399322.8,
3736951.9, 3.0, 3.0, 0.0);
(399342.8, 3736951.9, 3.0, 3.0, 0.0); (399362.8,
3736951.9, 2.8, 2.8, 0.0);
(399382.8, 3736951.9, 2.7, 2.7, 0.0); (399402.8,
3736951.9, 2.7, 2.7, 0.0);
(399422.8, 3736951.9, 2.7, 2.7, 0.0); (399442.8,
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(399462.8, 3736951.9, 2.9, 2.9, 0.0); (399482.8,
3736951.9, 3.0, 3.0, 0.0);
(399502.8, 3736951.9, 2.7, 2.7, 0.0); (399522.8,
3736951.9, 2.5, 2.5, 0.0);
(399542.8, 3736951.9, 2.7, 2.7, 0.0); (399562.8,
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(399582.8, 3736951.9, 3.0, 3.0, 0.0); (399602.8,
3736951.9, 2.9, 2.9, 0.0);
(399622.8, 3736951.9, 3.0, 3.0, 0.0); (399642.8,
3736951.9, 3.1, 3.1, 0.0);
(399662.8, 3736951.9, 3.1, 3.1, 0.0); (399682.8,
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(399702.8, 3736951.9, 3.2, 3.2, 0.0); (399722.8,
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(399742.8, 3736951.9, 3.2, 3.2, 0.0); (399762.8,
3736951.9, 3.2, 3.2, 0.0);
(399782.8, 3736951.9, 3.3, 3.3, 0.0); (399802.8,

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3736951.9,      3.4,      3.4,      0.0);
( 399822.8, 3736951.9,      3.4,      3.4,      0.0); ( 399842.8,
3736951.9,      3.3,      3.3,      0.0);
( 399862.8, 3736951.9,      3.2,      3.2,      0.0); ( 399882.8,
3736951.9,      3.3,      3.3,      0.0);
( 399902.8, 3736951.9,      3.4,      3.4,      0.0); ( 399922.8,
3736951.9,      3.4,      3.4,      0.0);
( 399942.8, 3736951.9,      3.4,      3.4,      0.0); ( 399962.8,
3736951.9,      3.3,      3.3,      0.0);
( 399982.8, 3736951.9,      3.3,      3.3,      0.0); ( 400002.8,
3736951.9,      3.2,      3.2,      0.0);
( 400022.8, 3736951.9,      3.2,      3.2,      0.0); ( 400042.8,
3736951.9,      2.9,      2.9,      0.0);
( 400062.8, 3736951.9,      2.8,      2.8,      0.0); ( 400082.8,
3736951.9,      3.0,      3.0,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 400102.8, 3736951.9,      3.0,      3.0,      0.0); ( 400122.8,
3736951.9,      2.8,      2.8,      0.0);
( 400142.8, 3736951.9,      2.7,      2.7,      0.0); ( 400162.8,
3736951.9,      2.0,      2.0,      0.0);
( 400182.8, 3736951.9,      2.7,      2.7,      0.0); ( 398682.8,
3736971.9,      3.8,      3.8,      0.0);
( 398702.8, 3736971.9,      3.4,      3.4,      0.0); ( 398722.8,
3736971.9,      3.2,      3.2,      0.0);
( 398742.8, 3736971.9,      0.5,      3.4,      0.0); ( 398762.8,
3736971.9,      2.0,      2.8,      0.0);
( 398782.8, 3736971.9,      2.8,      2.8,      0.0); ( 398802.8,
3736971.9,      2.8,      2.8,      0.0);
( 398822.8, 3736971.9,      3.0,      3.0,      0.0); ( 398842.8,
3736971.9,      2.8,      2.8,      0.0);
( 398862.8, 3736971.9,      2.7,      2.7,      0.0); ( 398882.8,
3736971.9,      2.7,      2.7,      0.0);
( 398902.8, 3736971.9,      2.8,      2.8,      0.0); ( 398922.8,
3736971.9,      2.8,      2.8,      0.0);
( 398942.8, 3736971.9,      2.7,      2.7,      0.0); ( 398962.8,
3736971.9,      2.6,      2.6,      0.0);
( 398982.8, 3736971.9,      2.6,      2.6,      0.0); ( 399002.8,
3736971.9,      2.7,      2.7,      0.0);
( 399022.8, 3736971.9,      2.8,      2.8,      0.0); ( 399042.8,

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3736971.9, 2.8, 2.8, 0.0);
(399062.8, 3736971.9, 2.9, 2.9, 0.0); (399082.8,
3736971.9, 2.9, 2.9, 0.0);
(399102.8, 3736971.9, 2.7, 2.7, 0.0); (399122.8,
3736971.9, 2.6, 2.6, 0.0);
(399142.8, 3736971.9, 2.5, 2.5, 0.0); (399162.8,
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(399182.8, 3736971.9, 2.4, 2.4, 0.0); (399202.8,
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(399222.8, 3736971.9, 2.6, 2.6, 0.0); (399242.8,
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(399262.8, 3736971.9, 2.8, 2.8, 0.0); (399282.8,
3736971.9, 2.9, 2.9, 0.0);
(399302.8, 3736971.9, 3.0, 3.0, 0.0); (399322.8,
3736971.9, 2.9, 2.9, 0.0);
(399342.8, 3736971.9, 2.9, 2.9, 0.0); (399362.8,
3736971.9, 2.8, 2.8, 0.0);
(399382.8, 3736971.9, 2.7, 2.7, 0.0); (399402.8,
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(399422.8, 3736971.9, 3.0, 3.0, 0.0); (399442.8,
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(399462.8, 3736971.9, 2.7, 2.7, 0.0); (399482.8,
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(399502.8, 3736971.9, 2.5, 2.5, 0.0); (399522.8,
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(399542.8, 3736971.9, 2.9, 2.9, 0.0); (399562.8,
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(399582.8, 3736971.9, 3.0, 3.0, 0.0); (399602.8,
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(399622.8, 3736971.9, 3.0, 3.0, 0.0); (399642.8,
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(399662.8, 3736971.9, 3.1, 3.1, 0.0); (399682.8,
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(399702.8, 3736971.9, 3.0, 3.0, 0.0); (399722.8,
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(399742.8, 3736971.9, 3.2, 3.2, 0.0); (399762.8,
3736971.9, 3.2, 3.2, 0.0);
(399782.8, 3736971.9, 3.3, 3.3, 0.0); (399802.8,
3736971.9, 3.3, 3.3, 0.0);
(399822.8, 3736971.9, 3.3, 3.3, 0.0); (399842.8,
3736971.9, 3.1, 3.1, 0.0);
(399862.8, 3736971.9, 3.1, 3.1, 0.0); (399882.8,
3736971.9, 3.1, 3.1, 0.0);
(399902.8, 3736971.9, 3.3, 3.3, 0.0); (399922.8,
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(399942.8, 3736971.9, 3.4, 3.4, 0.0); (399962.8,
3736971.9, 3.4, 3.4, 0.0);
(399982.8, 3736971.9, 3.3, 3.3, 0.0); (400002.8,
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(400022.8, 3736971.9, 3.2, 3.2, 0.0); (400042.8,

3736971.9, 3.3, 3.3, 0.0);
 (400062.8, 3736971.9, 3.1, 3.1, 0.0); (400082.8,
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 (400102.8, 3736971.9, 2.8, 2.8, 0.0); (400122.8,
 3736971.9, 2.9, 2.9, 0.0);
 (400142.8, 3736971.9, 2.8, 2.8, 0.0); (400162.8,
 3736971.9, 2.8, 2.8, 0.0);
 (400182.8, 3736971.9, 2.3, 2.3, 0.0); (398682.8,
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 (398702.8, 3736991.9, 3.4, 3.4, 0.0); (398722.8,
 3736991.9, 3.1, 3.1, 0.0);
 (398742.8, 3736991.9, -0.6, 3.5, 0.0); (398762.8,
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 (398782.8, 3736991.9, 2.6, 2.6, 0.0); (398802.8,
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 (398822.8, 3736991.9, 2.7, 2.7, 0.0); (398842.8,
 3736991.9, 2.9, 2.9, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(398862.8, 3736991.9, 2.9, 2.9, 0.0); (398882.8,
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 (398902.8, 3736991.9, 2.7, 2.7, 0.0); (398922.8,
 3736991.9, 2.8, 2.8, 0.0);
 (398942.8, 3736991.9, 2.8, 2.8, 0.0); (398962.8,
 3736991.9, 2.7, 2.7, 0.0);
 (398982.8, 3736991.9, 2.6, 2.6, 0.0); (399002.8,
 3736991.9, 2.6, 2.6, 0.0);
 (399022.8, 3736991.9, 2.7, 2.7, 0.0); (399042.8,
 3736991.9, 2.8, 2.8, 0.0);
 (399062.8, 3736991.9, 2.9, 2.9, 0.0); (399082.8,
 3736991.9, 2.9, 2.9, 0.0);
 (399102.8, 3736991.9, 2.9, 2.9, 0.0); (399122.8,
 3736991.9, 2.7, 2.7, 0.0);
 (399142.8, 3736991.9, 2.5, 2.5, 0.0); (399162.8,
 3736991.9, 2.5, 2.5, 0.0);
 (399182.8, 3736991.9, 2.4, 2.4, 0.0); (399202.8,
 3736991.9, 2.3, 2.3, 0.0);
 (399222.8, 3736991.9, 2.4, 2.4, 0.0); (399242.8,
 3736991.9, 2.6, 2.6, 0.0);
 (399262.8, 3736991.9, 2.7, 2.7, 0.0); (399282.8,

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(399302.8, 3736991.9, 3.0, 3.0, 0.0); (399322.8,
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(399342.8, 3736991.9, 2.8, 2.8, 0.0); (399362.8,
3736991.9, 2.8, 2.8, 0.0);
(399382.8, 3736991.9, 2.8, 2.8, 0.0); (399402.8,
3736991.9, 2.9, 2.9, 0.0);
(399422.8, 3736991.9, 3.0, 3.0, 0.0); (399442.8,
3736991.9, 2.9, 2.9, 0.0);
(399462.8, 3736991.9, 2.9, 2.9, 0.0); (399482.8,
3736991.9, 2.5, 2.5, 0.0);
(399502.8, 3736991.9, 2.6, 2.6, 0.0); (399522.8,
3736991.9, 2.8, 2.8, 0.0);
(399542.8, 3736991.9, 2.9, 2.9, 0.0); (399562.8,
3736991.9, 3.0, 3.0, 0.0);
(399582.8, 3736991.9, 3.0, 3.0, 0.0); (399602.8,
3736991.9, 2.9, 2.9, 0.0);
(399622.8, 3736991.9, 3.2, 3.2, 0.0); (399642.8,
3736991.9, 3.2, 3.2, 0.0);
(399662.8, 3736991.9, 3.2, 3.2, 0.0); (399682.8,
3736991.9, 3.3, 3.3, 0.0);
(399702.8, 3736991.9, 3.2, 3.2, 0.0); (399722.8,
3736991.9, 3.2, 3.2, 0.0);
(399742.8, 3736991.9, 3.2, 3.2, 0.0); (399762.8,
3736991.9, 3.3, 3.3, 0.0);
(399782.8, 3736991.9, 3.4, 3.4, 0.0); (399802.8,
3736991.9, 3.2, 3.2, 0.0);
(399822.8, 3736991.9, 3.1, 3.1, 0.0); (399842.8,
3736991.9, 3.1, 3.1, 0.0);
(399862.8, 3736991.9, 3.1, 3.1, 0.0); (399882.8,
3736991.9, 3.1, 3.1, 0.0);
(399902.8, 3736991.9, 3.4, 3.4, 0.0); (399922.8,
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(399942.8, 3736991.9, 3.4, 3.4, 0.0); (399962.8,
3736991.9, 3.4, 3.4, 0.0);
(399982.8, 3736991.9, 3.4, 3.4, 0.0); (400002.8,
3736991.9, 3.3, 3.3, 0.0);
(400022.8, 3736991.9, 3.3, 3.3, 0.0); (400042.8,
3736991.9, 3.2, 3.2, 0.0);
(400062.8, 3736991.9, 3.2, 3.2, 0.0); (400082.8,
3736991.9, 2.9, 2.9, 0.0);
(400102.8, 3736991.9, 2.9, 2.9, 0.0); (400122.8,
3736991.9, 3.2, 3.2, 0.0);
(400142.8, 3736991.9, 3.0, 3.0, 0.0); (400162.8,
3736991.9, 2.9, 2.9, 0.0);
(400182.8, 3736991.9, 2.9, 2.9, 0.0); (398682.8,
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(398702.8, 3737011.9, 3.5, 5.5, 0.0); (398722.8,
3737011.9, 2.2, 3.1, 0.0);
(398742.8, 3737011.9, 0.3, 3.3, 0.0); (398762.8,

3737011.9, 2.7, 2.7, 0.0);
 (398782.8, 3737011.9, 2.6, 2.6, 0.0); (398802.8,
 3737011.9, 2.6, 2.6, 0.0);
 (398822.8, 3737011.9, 2.7, 2.7, 0.0); (398842.8,
 3737011.9, 2.9, 2.9, 0.0);
 (398862.8, 3737011.9, 3.0, 3.0, 0.0); (398882.8,
 3737011.9, 3.0, 3.0, 0.0);
 (398902.8, 3737011.9, 2.8, 2.8, 0.0); (398922.8,
 3737011.9, 2.8, 2.8, 0.0);
 (398942.8, 3737011.9, 2.8, 2.8, 0.0); (398962.8,
 3737011.9, 2.8, 2.8, 0.0);
 (398982.8, 3737011.9, 2.9, 2.9, 0.0); (399002.8,
 3737011.9, 2.8, 2.8, 0.0);
 (399022.8, 3737011.9, 2.7, 2.7, 0.0); (399042.8,
 3737011.9, 2.7, 2.7, 0.0);
 (399062.8, 3737011.9, 2.9, 2.9, 0.0); (399082.8,
 3737011.9, 2.9, 2.9, 0.0);
 (399102.8, 3737011.9, 2.9, 2.9, 0.0); (399122.8,
 3737011.9, 2.8, 2.8, 0.0);

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399142.8, 3737011.9, 2.6, 2.6, 0.0); (399162.8,
 3737011.9, 2.5, 2.5, 0.0);
 (399182.8, 3737011.9, 2.4, 2.4, 0.0); (399202.8,
 3737011.9, 2.4, 2.4, 0.0);
 (399222.8, 3737011.9, 2.3, 2.3, 0.0); (399242.8,
 3737011.9, 2.5, 2.5, 0.0);
 (399262.8, 3737011.9, 2.6, 2.6, 0.0); (399282.8,
 3737011.9, 2.8, 2.8, 0.0);
 (399302.8, 3737011.9, 2.8, 2.8, 0.0); (399322.8,
 3737011.9, 3.0, 3.0, 0.0);
 (399342.8, 3737011.9, 2.9, 2.9, 0.0); (399362.8,
 3737011.9, 2.8, 2.8, 0.0);
 (399382.8, 3737011.9, 2.8, 2.8, 0.0); (399402.8,
 3737011.9, 3.0, 3.0, 0.0);
 (399422.8, 3737011.9, 3.0, 3.0, 0.0); (399442.8,
 3737011.9, 3.0, 3.0, 0.0);
 (399462.8, 3737011.9, 2.7, 2.7, 0.0); (399482.8,
 3737011.9, 2.6, 2.6, 0.0);
 (399502.8, 3737011.9, 2.7, 2.7, 0.0); (399522.8,

3737011.9, 2.8, 2.8, 0.0);
(399542.8, 3737011.9, 2.9, 2.9, 0.0); (399562.8,
3737011.9, 3.0, 3.0, 0.0);
(399582.8, 3737011.9, 2.8, 2.8, 0.0); (399602.8,
3737011.9, 2.8, 2.8, 0.0);
(399622.8, 3737011.9, 2.9, 2.9, 0.0); (399642.8,
3737011.9, 3.2, 3.2, 0.0);
(399662.8, 3737011.9, 3.3, 3.3, 0.0); (399682.8,
3737011.9, 3.3, 3.3, 0.0);
(399702.8, 3737011.9, 3.3, 3.3, 0.0); (399722.8,
3737011.9, 3.4, 3.4, 0.0);
(399742.8, 3737011.9, 3.5, 3.5, 0.0); (399762.8,
3737011.9, 3.6, 3.6, 0.0);
(399782.8, 3737011.9, 3.5, 3.5, 0.0); (399802.8,
3737011.9, 3.2, 3.2, 0.0);
(399822.8, 3737011.9, 3.1, 3.1, 0.0); (399842.8,
3737011.9, 3.0, 3.0, 0.0);
(399862.8, 3737011.9, 3.0, 3.0, 0.0); (399882.8,
3737011.9, 3.4, 3.4, 0.0);
(399902.8, 3737011.9, 3.4, 3.4, 0.0); (399922.8,
3737011.9, 3.4, 3.4, 0.0);
(399942.8, 3737011.9, 3.4, 3.4, 0.0); (399962.8,
3737011.9, 3.2, 3.2, 0.0);
(399982.8, 3737011.9, 3.2, 3.2, 0.0); (400002.8,
3737011.9, 3.4, 3.4, 0.0);
(400022.8, 3737011.9, 3.3, 3.3, 0.0); (400042.8,
3737011.9, 3.3, 3.3, 0.0);
(400062.8, 3737011.9, 3.1, 3.1, 0.0); (400082.8,
3737011.9, 2.8, 2.8, 0.0);
(400102.8, 3737011.9, 3.2, 3.2, 0.0); (400122.8,
3737011.9, 3.2, 3.2, 0.0);
(400142.8, 3737011.9, 3.2, 3.2, 0.0); (400162.8,
3737011.9, 3.2, 3.2, 0.0);
(400182.8, 3737011.9, 3.4, 3.4, 0.0); (398682.8,
3737031.9, 3.7, 3.7, 0.0);
(398702.8, 3737031.9, 3.4, 3.4, 0.0); (398722.8,
3737031.9, 0.3, 5.5, 0.0);
(398742.8, 3737031.9, 2.1, 2.6, 0.0); (398762.8,
3737031.9, 2.9, 2.9, 0.0);
(398782.8, 3737031.9, 2.8, 2.8, 0.0); (398802.8,
3737031.9, 2.6, 2.6, 0.0);
(398822.8, 3737031.9, 2.7, 2.7, 0.0); (398842.8,
3737031.9, 2.9, 2.9, 0.0);
(398862.8, 3737031.9, 2.9, 2.9, 0.0); (398882.8,
3737031.9, 2.9, 2.9, 0.0);
(398902.8, 3737031.9, 2.8, 2.8, 0.0); (398922.8,
3737031.9, 2.8, 2.8, 0.0);
(398942.8, 3737031.9, 2.6, 2.6, 0.0); (398962.8,
3737031.9, 2.8, 2.8, 0.0);
(398982.8, 3737031.9, 2.9, 2.9, 0.0); (399002.8,

3737031.9, 2.9, 2.9, 0.0);
 (399022.8, 3737031.9, 2.9, 2.9, 0.0); (399042.8,
 3737031.9, 2.8, 2.8, 0.0);
 (399062.8, 3737031.9, 2.7, 2.7, 0.0); (399082.8,
 3737031.9, 2.9, 2.9, 0.0);
 (399102.8, 3737031.9, 2.9, 2.9, 0.0); (399122.8,
 3737031.9, 2.6, 2.6, 0.0);
 (399142.8, 3737031.9, 2.8, 2.8, 0.0); (399162.8,
 3737031.9, 2.8, 2.8, 0.0);
 (399182.8, 3737031.9, 2.6, 2.6, 0.0); (399202.8,
 3737031.9, 2.4, 2.4, 0.0);
 (399222.8, 3737031.9, 2.4, 2.4, 0.0); (399242.8,
 3737031.9, 2.6, 2.6, 0.0);
 (399262.8, 3737031.9, 2.6, 2.6, 0.0); (399282.8,
 3737031.9, 2.8, 2.8, 0.0);
 (399302.8, 3737031.9, 2.9, 2.9, 0.0); (399322.8,
 3737031.9, 3.1, 3.1, 0.0);
 (399342.8, 3737031.9, 3.0, 3.0, 0.0); (399362.8,
 3737031.9, 2.9, 2.9, 0.0);
 (399382.8, 3737031.9, 3.0, 3.0, 0.0); (399402.8,
 3737031.9, 3.0, 3.0, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399422.8, 3737031.9, 2.9, 2.9, 0.0); (399442.8,
 3737031.9, 2.9, 2.9, 0.0);
 (399462.8, 3737031.9, 2.6, 2.6, 0.0); (399482.8,
 3737031.9, 2.7, 2.7, 0.0);
 (399502.8, 3737031.9, 2.6, 2.6, 0.0); (399522.8,
 3737031.9, 2.7, 2.7, 0.0);
 (399542.8, 3737031.9, 2.9, 2.9, 0.0); (399562.8,
 3737031.9, 2.9, 2.9, 0.0);
 (399582.8, 3737031.9, 2.8, 2.8, 0.0); (399602.8,
 3737031.9, 2.8, 2.8, 0.0);
 (399622.8, 3737031.9, 2.9, 2.9, 0.0); (399642.8,
 3737031.9, 3.3, 3.3, 0.0);
 (399662.8, 3737031.9, 3.5, 3.5, 0.0); (399682.8,
 3737031.9, 3.5, 3.5, 0.0);
 (399702.8, 3737031.9, 3.4, 3.4, 0.0); (399722.8,
 3737031.9, 3.5, 3.5, 0.0);
 (399742.8, 3737031.9, 3.5, 3.5, 0.0); (399762.8,

3737031.9, 3.5, 3.5, 0.0);
(399782.8, 3737031.9, 3.4, 3.4, 0.0); (399802.8,
3737031.9, 3.2, 3.2, 0.0);
(399822.8, 3737031.9, 3.1, 3.1, 0.0); (399842.8,
3737031.9, 3.0, 3.0, 0.0);
(399862.8, 3737031.9, 3.0, 3.0, 0.0); (399882.8,
3737031.9, 3.0, 3.0, 0.0);
(399902.8, 3737031.9, 3.3, 3.3, 0.0); (399922.8,
3737031.9, 3.4, 3.4, 0.0);
(399942.8, 3737031.9, 3.3, 3.3, 0.0); (399962.8,
3737031.9, 3.1, 3.1, 0.0);
(399982.8, 3737031.9, 3.1, 3.1, 0.0); (400002.8,
3737031.9, 3.2, 3.2, 0.0);
(400022.8, 3737031.9, 3.2, 3.2, 0.0); (400042.8,
3737031.9, 3.2, 3.2, 0.0);
(400062.8, 3737031.9, 2.9, 2.9, 0.0); (400082.8,
3737031.9, 3.0, 3.0, 0.0);
(400102.8, 3737031.9, 3.2, 3.2, 0.0); (400122.8,
3737031.9, 3.2, 3.2, 0.0);
(400142.8, 3737031.9, 3.3, 3.3, 0.0); (400162.8,
3737031.9, 3.2, 3.2, 0.0);
(400182.8, 3737031.9, 3.5, 3.5, 0.0); (398682.8,
3737051.9, 3.5, 3.5, 0.0);
(398702.8, 3737051.9, 2.6, 2.6, 0.0); (398722.8,
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(398742.8, 3737051.9, 2.8, 2.8, 0.0); (398762.8,
3737051.9, 2.9, 2.9, 0.0);
(398782.8, 3737051.9, 2.6, 2.6, 0.0); (398802.8,
3737051.9, 2.5, 2.5, 0.0);
(398822.8, 3737051.9, 2.6, 2.6, 0.0); (398842.8,
3737051.9, 2.6, 2.6, 0.0);
(398862.8, 3737051.9, 2.9, 2.9, 0.0); (398882.8,
3737051.9, 3.0, 3.0, 0.0);
(398902.8, 3737051.9, 2.9, 2.9, 0.0); (398922.8,
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(398942.8, 3737051.9, 2.6, 2.6, 0.0); (398962.8,
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(398982.8, 3737051.9, 2.9, 2.9, 0.0); (399002.8,
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(399022.8, 3737051.9, 2.9, 2.9, 0.0); (399042.8,
3737051.9, 2.9, 2.9, 0.0);
(399062.8, 3737051.9, 2.8, 2.8, 0.0); (399082.8,
3737051.9, 2.7, 2.7, 0.0);
(399102.8, 3737051.9, 2.7, 2.7, 0.0); (399122.8,
3737051.9, 2.8, 2.8, 0.0);
(399142.8, 3737051.9, 2.9, 2.9, 0.0); (399162.8,
3737051.9, 2.8, 2.8, 0.0);
(399182.8, 3737051.9, 2.8, 2.8, 0.0); (399202.8,
3737051.9, 2.7, 2.7, 0.0);
(399222.8, 3737051.9, 2.6, 2.6, 0.0); (399242.8,

3737051.9, 2.6, 2.6, 0.0);
 (399262.8, 3737051.9, 2.6, 2.6, 0.0); (399282.8,
 3737051.9, 2.9, 2.9, 0.0);
 (399302.8, 3737051.9, 3.0, 3.0, 0.0); (399322.8,
 3737051.9, 3.0, 3.0, 0.0);
 (399342.8, 3737051.9, 3.1, 3.1, 0.0); (399362.8,
 3737051.9, 3.1, 3.1, 0.0);
 (399382.8, 3737051.9, 3.2, 3.2, 0.0); (399402.8,
 3737051.9, 3.0, 3.0, 0.0);
 (399422.8, 3737051.9, 3.0, 3.0, 0.0); (399442.8,
 3737051.9, 2.7, 2.7, 0.0);
 (399462.8, 3737051.9, 2.7, 2.7, 0.0); (399482.8,
 3737051.9, 2.9, 2.9, 0.0);
 (399502.8, 3737051.9, 2.9, 2.9, 0.0); (399522.8,
 3737051.9, 2.8, 2.8, 0.0);
 (399542.8, 3737051.9, 2.7, 2.7, 0.0); (399562.8,
 3737051.9, 2.7, 2.7, 0.0);
 (399582.8, 3737051.9, 2.8, 2.8, 0.0); (399602.8,
 3737051.9, 2.8, 2.8, 0.0);
 (399622.8, 3737051.9, 2.9, 2.9, 0.0); (399642.8,
 3737051.9, 3.4, 3.4, 0.0);
 (399662.8, 3737051.9, 3.4, 3.4, 0.0); (399682.8,
 3737051.9, 3.5, 3.5, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399702.8, 3737051.9, 3.5, 3.5, 0.0); (399722.8,
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 (399742.8, 3737051.9, 3.5, 3.5, 0.0); (399762.8,
 3737051.9, 3.5, 3.5, 0.0);
 (399782.8, 3737051.9, 3.2, 3.2, 0.0); (399802.8,
 3737051.9, 3.1, 3.1, 0.0);
 (399822.8, 3737051.9, 3.1, 3.1, 0.0); (399842.8,
 3737051.9, 3.1, 3.1, 0.0);
 (399862.8, 3737051.9, 3.5, 3.5, 0.0); (399882.8,
 3737051.9, 3.2, 3.2, 0.0);
 (399902.8, 3737051.9, 3.0, 3.0, 0.0); (399922.8,
 3737051.9, 3.1, 3.1, 0.0);
 (399942.8, 3737051.9, 3.0, 3.0, 0.0); (399962.8,
 3737051.9, 3.0, 3.0, 0.0);
 (399982.8, 3737051.9, 3.1, 3.1, 0.0); (400002.8,

3737051.9, 3.2, 3.2, 0.0);
(400022.8, 3737051.9, 3.2, 3.2, 0.0); (400042.8,
3737051.9, 3.0, 3.0, 0.0);
(400062.8, 3737051.9, 2.9, 2.9, 0.0); (400082.8,
3737051.9, 3.2, 3.2, 0.0);
(400102.8, 3737051.9, 3.1, 3.1, 0.0); (400122.8,
3737051.9, 3.3, 3.3, 0.0);
(400142.8, 3737051.9, 3.4, 3.4, 0.0); (400162.8,
3737051.9, 3.3, 3.3, 0.0);
(400182.8, 3737051.9, 3.5, 3.5, 0.0); (398682.8,
3737071.9, 3.4, 3.4, 0.0);
(398702.8, 3737071.9, 0.1, 3.7, 0.0); (398722.8,
3737071.9, 2.0, 2.8, 0.0);
(398742.8, 3737071.9, 2.9, 2.9, 0.0); (398762.8,
3737071.9, 2.7, 2.7, 0.0);
(398782.8, 3737071.9, 2.5, 2.5, 0.0); (398802.8,
3737071.9, 2.5, 2.5, 0.0);
(398822.8, 3737071.9, 2.6, 2.6, 0.0); (398842.8,
3737071.9, 2.6, 2.6, 0.0);
(398862.8, 3737071.9, 2.7, 2.7, 0.0); (398882.8,
3737071.9, 2.8, 2.8, 0.0);
(398902.8, 3737071.9, 2.9, 2.9, 0.0); (398922.8,
3737071.9, 2.8, 2.8, 0.0);
(398942.8, 3737071.9, 2.9, 2.9, 0.0); (398962.8,
3737071.9, 2.8, 2.8, 0.0);
(398982.8, 3737071.9, 3.0, 3.0, 0.0); (399002.8,
3737071.9, 2.9, 2.9, 0.0);
(399022.8, 3737071.9, 2.8, 2.8, 0.0); (399042.8,
3737071.9, 2.8, 2.8, 0.0);
(399062.8, 3737071.9, 2.7, 2.7, 0.0); (399082.8,
3737071.9, 3.0, 3.0, 0.0);
(399102.8, 3737071.9, 2.8, 2.8, 0.0); (399122.8,
3737071.9, 2.7, 2.7, 0.0);
(399142.8, 3737071.9, 2.8, 2.8, 0.0); (399162.8,
3737071.9, 2.8, 2.8, 0.0);
(399182.8, 3737071.9, 2.8, 2.8, 0.0); (399202.8,
3737071.9, 2.9, 2.9, 0.0);
(399222.8, 3737071.9, 2.9, 2.9, 0.0); (399242.8,
3737071.9, 2.7, 2.7, 0.0);
(399262.8, 3737071.9, 2.7, 2.7, 0.0); (399282.8,
3737071.9, 3.0, 3.0, 0.0);
(399302.8, 3737071.9, 3.0, 3.0, 0.0); (399322.8,
3737071.9, 3.0, 3.0, 0.0);
(399342.8, 3737071.9, 3.0, 3.0, 0.0); (399362.8,
3737071.9, 3.2, 3.2, 0.0);
(399382.8, 3737071.9, 3.1, 3.1, 0.0); (399402.8,
3737071.9, 3.0, 3.0, 0.0);
(399422.8, 3737071.9, 2.9, 2.9, 0.0); (399442.8,
3737071.9, 2.7, 2.7, 0.0);
(399462.8, 3737071.9, 2.9, 2.9, 0.0); (399482.8,

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3737071.9,      3.0,      3.0,      0.0);
  ( 399502.8, 3737071.9,      2.9,      2.9,      0.0);      ( 399522.8,
3737071.9,      2.9,      2.9,      0.0);
  ( 399542.8, 3737071.9,      2.8,      2.8,      0.0);      ( 399562.8,
3737071.9,      2.7,      2.7,      0.0);
  ( 399582.8, 3737071.9,      2.7,      2.7,      0.0);      ( 399602.8,
3737071.9,      2.8,      2.8,      0.0);
  ( 399622.8, 3737071.9,      3.2,      3.2,      0.0);      ( 399642.8,
3737071.9,      3.5,      3.5,      0.0);
  ( 399662.8, 3737071.9,      3.5,      3.5,      0.0);      ( 399682.8,
3737071.9,      3.5,      3.5,      0.0);
  ( 399702.8, 3737071.9,      3.5,      3.5,      0.0);      ( 399722.8,
3737071.9,      3.5,      3.5,      0.0);
  ( 399742.8, 3737071.9,      3.4,      3.4,      0.0);      ( 399762.8,
3737071.9,      3.5,      3.5,      0.0);
  ( 399782.8, 3737071.9,      3.4,      3.4,      0.0);      ( 399802.8,
3737071.9,      3.2,      3.2,      0.0);
  ( 399822.8, 3737071.9,      3.0,      3.0,      0.0);      ( 399842.8,
3737071.9,      3.4,      3.4,      0.0);
  ( 399862.8, 3737071.9,      3.4,      3.4,      0.0);      ( 399882.8,
3737071.9,      3.4,      3.4,      0.0);
  ( 399902.8, 3737071.9,      3.3,      3.3,      0.0);      ( 399922.8,
3737071.9,      3.0,      3.0,      0.0);
  ( 399942.8, 3737071.9,      2.9,      2.9,      0.0);      ( 399962.8,
3737071.9,      2.9,      2.9,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 399982.8, 3737071.9,      3.2,      3.2,      0.0);      ( 400002.8,
3737071.9,      3.1,      3.1,      0.0);
  ( 400022.8, 3737071.9,      3.1,      3.1,      0.0);      ( 400042.8,
3737071.9,      2.8,      2.8,      0.0);
  ( 400062.8, 3737071.9,      2.9,      2.9,      0.0);      ( 400082.8,
3737071.9,      3.1,      3.1,      0.0);
  ( 400102.8, 3737071.9,      3.3,      3.3,      0.0);      ( 400122.8,
3737071.9,      3.3,      3.3,      0.0);
  ( 400142.8, 3737071.9,      3.3,      3.3,      0.0);      ( 400162.8,
3737071.9,      3.3,      3.3,      0.0);
  ( 400182.8, 3737071.9,      3.4,      3.4,      0.0);      ( 398682.8,
3737091.9,      2.4,      3.5,      0.0);
  ( 398702.8, 3737091.9,     -0.3,      3.7,      0.0);      ( 398722.8,

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3737091.9, 2.6, 2.6, 0.0);
(398742.8, 3737091.9, 2.6, 2.6, 0.0); (398762.8,
3737091.9, 2.5, 2.5, 0.0);
(398782.8, 3737091.9, 2.7, 2.7, 0.0); (398802.8,
3737091.9, 2.7, 2.7, 0.0);
(398822.8, 3737091.9, 2.6, 2.6, 0.0); (398842.8,
3737091.9, 2.6, 2.6, 0.0);
(398862.8, 3737091.9, 2.7, 2.7, 0.0); (398882.8,
3737091.9, 2.8, 2.8, 0.0);
(398902.8, 3737091.9, 2.9, 2.9, 0.0); (398922.8,
3737091.9, 2.8, 2.8, 0.0);
(398942.8, 3737091.9, 2.8, 2.8, 0.0); (398962.8,
3737091.9, 2.9, 2.9, 0.0);
(398982.8, 3737091.9, 3.0, 3.0, 0.0); (399002.8,
3737091.9, 2.9, 2.9, 0.0);
(399022.8, 3737091.9, 2.8, 2.8, 0.0); (399042.8,
3737091.9, 2.8, 2.8, 0.0);
(399062.8, 3737091.9, 2.8, 2.8, 0.0); (399082.8,
3737091.9, 2.9, 2.9, 0.0);
(399102.8, 3737091.9, 3.0, 3.0, 0.0); (399122.8,
3737091.9, 2.9, 2.9, 0.0);
(399142.8, 3737091.9, 2.7, 2.7, 0.0); (399162.8,
3737091.9, 2.8, 2.8, 0.0);
(399182.8, 3737091.9, 2.9, 2.9, 0.0); (399202.8,
3737091.9, 2.9, 2.9, 0.0);
(399222.8, 3737091.9, 2.9, 2.9, 0.0); (399242.8,
3737091.9, 2.8, 2.8, 0.0);
(399262.8, 3737091.9, 2.9, 2.9, 0.0); (399282.8,
3737091.9, 2.9, 2.9, 0.0);
(399302.8, 3737091.9, 2.8, 2.8, 0.0); (399322.8,
3737091.9, 2.9, 2.9, 0.0);
(399342.8, 3737091.9, 3.1, 3.1, 0.0); (399362.8,
3737091.9, 3.0, 3.0, 0.0);
(399382.8, 3737091.9, 3.0, 3.0, 0.0); (399402.8,
3737091.9, 3.0, 3.0, 0.0);
(399422.8, 3737091.9, 2.7, 2.7, 0.0); (399442.8,
3737091.9, 2.8, 2.8, 0.0);
(399462.8, 3737091.9, 2.9, 2.9, 0.0); (399482.8,
3737091.9, 2.9, 2.9, 0.0);
(399502.8, 3737091.9, 3.0, 3.0, 0.0); (399522.8,
3737091.9, 2.9, 2.9, 0.0);
(399542.8, 3737091.9, 2.8, 2.8, 0.0); (399562.8,
3737091.9, 2.8, 2.8, 0.0);
(399582.8, 3737091.9, 2.8, 2.8, 0.0); (399602.8,
3737091.9, 3.2, 3.2, 0.0);
(399622.8, 3737091.9, 3.4, 3.4, 0.0); (399642.8,
3737091.9, 3.3, 3.3, 0.0);
(399662.8, 3737091.9, 3.4, 3.4, 0.0); (399682.8,
3737091.9, 3.6, 3.6, 0.0);
(399702.8, 3737091.9, 3.6, 3.6, 0.0); (399722.8,

3737091.9, 3.7, 3.7, 0.0);
 (399742.8, 3737091.9, 3.6, 3.6, 0.0); (399762.8,
 3737091.9, 3.6, 3.6, 0.0);
 (399782.8, 3737091.9, 3.5, 3.5, 0.0); (399802.8,
 3737091.9, 3.5, 3.5, 0.0);
 (399822.8, 3737091.9, 3.5, 3.5, 0.0); (399842.8,
 3737091.9, 3.5, 3.5, 0.0);
 (399862.8, 3737091.9, 3.5, 3.5, 0.0); (399882.8,
 3737091.9, 3.5, 3.5, 0.0);
 (399902.8, 3737091.9, 3.3, 3.3, 0.0); (399922.8,
 3737091.9, 3.0, 3.0, 0.0);
 (399942.8, 3737091.9, 3.0, 3.0, 0.0); (399962.8,
 3737091.9, 3.0, 3.0, 0.0);
 (399982.8, 3737091.9, 3.0, 3.0, 0.0); (400002.8,
 3737091.9, 3.2, 3.2, 0.0);
 (400022.8, 3737091.9, 2.9, 2.9, 0.0); (400042.8,
 3737091.9, 2.8, 2.8, 0.0);
 (400062.8, 3737091.9, 2.9, 2.9, 0.0); (400082.8,
 3737091.9, 2.9, 2.9, 0.0);
 (400102.8, 3737091.9, 3.1, 3.1, 0.0); (400122.8,
 3737091.9, 3.3, 3.3, 0.0);
 (400142.8, 3737091.9, 3.4, 3.4, 0.0); (400162.8,
 3737091.9, 3.2, 3.2, 0.0);
 (400182.8, 3737091.9, 3.4, 3.4, 0.0); (398682.8,
 3737111.9, 0.2, 3.9, 0.0);
 (398702.8, 3737111.9, 2.1, 2.1, 0.0); (398722.8,
 3737111.9, 2.7, 2.7, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(398742.8, 3737111.9, 2.5, 2.5, 0.0); (398762.8,
 3737111.9, 2.6, 2.6, 0.0);
 (398782.8, 3737111.9, 2.8, 2.8, 0.0); (398802.8,
 3737111.9, 2.8, 2.8, 0.0);
 (398822.8, 3737111.9, 2.9, 2.9, 0.0); (398842.8,
 3737111.9, 2.8, 2.8, 0.0);
 (398862.8, 3737111.9, 2.8, 2.8, 0.0); (398882.8,
 3737111.9, 2.8, 2.8, 0.0);
 (398902.8, 3737111.9, 2.7, 2.7, 0.0); (398922.8,
 3737111.9, 2.8, 2.8, 0.0);
 (398942.8, 3737111.9, 2.8, 2.8, 0.0); (398962.8,

3737111.9, 3.0, 3.0, 0.0);
(398982.8, 3737111.9, 3.0, 3.0, 0.0); (399002.8,
3737111.9, 3.0, 3.0, 0.0);
(399022.8, 3737111.9, 2.9, 2.9, 0.0); (399042.8,
3737111.9, 2.8, 2.8, 0.0);
(399062.8, 3737111.9, 2.8, 2.8, 0.0); (399082.8,
3737111.9, 2.8, 2.8, 0.0);
(399102.8, 3737111.9, 2.9, 2.9, 0.0); (399122.8,
3737111.9, 3.0, 3.0, 0.0);
(399142.8, 3737111.9, 3.0, 3.0, 0.0); (399162.8,
3737111.9, 2.8, 2.8, 0.0);
(399182.8, 3737111.9, 2.7, 2.7, 0.0); (399202.8,
3737111.9, 2.9, 2.9, 0.0);
(399222.8, 3737111.9, 2.9, 2.9, 0.0); (399242.8,
3737111.9, 2.9, 2.9, 0.0);
(399262.8, 3737111.9, 3.0, 3.0, 0.0); (399282.8,
3737111.9, 2.9, 2.9, 0.0);
(399302.8, 3737111.9, 2.8, 2.8, 0.0); (399322.8,
3737111.9, 2.7, 2.7, 0.0);
(399342.8, 3737111.9, 2.8, 2.8, 0.0); (399362.8,
3737111.9, 2.9, 2.9, 0.0);
(399382.8, 3737111.9, 3.0, 3.0, 0.0); (399402.8,
3737111.9, 2.8, 2.8, 0.0);
(399422.8, 3737111.9, 2.7, 2.7, 0.0); (399442.8,
3737111.9, 2.9, 2.9, 0.0);
(399462.8, 3737111.9, 3.0, 3.0, 0.0); (399482.8,
3737111.9, 3.0, 3.0, 0.0);
(399502.8, 3737111.9, 3.0, 3.0, 0.0); (399522.8,
3737111.9, 2.9, 2.9, 0.0);
(399542.8, 3737111.9, 2.9, 2.9, 0.0); (399562.8,
3737111.9, 2.8, 2.8, 0.0);
(399582.8, 3737111.9, 3.0, 3.0, 0.0); (399602.8,
3737111.9, 3.3, 3.3, 0.0);
(399622.8, 3737111.9, 3.4, 3.4, 0.0); (399642.8,
3737111.9, 3.6, 3.6, 0.0);
(399662.8, 3737111.9, 3.5, 3.5, 0.0); (399682.8,
3737111.9, 3.6, 3.6, 0.0);
(399702.8, 3737111.9, 3.7, 3.7, 0.0); (399722.8,
3737111.9, 3.7, 3.7, 0.0);
(399742.8, 3737111.9, 3.6, 3.6, 0.0); (399762.8,
3737111.9, 3.6, 3.6, 0.0);
(399782.8, 3737111.9, 3.5, 3.5, 0.0); (399802.8,
3737111.9, 3.4, 3.4, 0.0);
(399822.8, 3737111.9, 3.6, 3.6, 0.0); (399842.8,
3737111.9, 3.5, 3.5, 0.0);
(399862.8, 3737111.9, 3.5, 3.5, 0.0); (399882.8,
3737111.9, 3.4, 3.4, 0.0);
(399902.8, 3737111.9, 3.1, 3.1, 0.0); (399922.8,
3737111.9, 3.1, 3.1, 0.0);
(399942.8, 3737111.9, 3.1, 3.1, 0.0); (399962.8,

3737111.9, 3.2, 3.2, 0.0);
 (399982.8, 3737111.9, 3.1, 3.1, 0.0); (400002.8,
 3737111.9, 2.9, 2.9, 0.0);
 (400022.8, 3737111.9, 3.0, 3.0, 0.0); (400042.8,
 3737111.9, 3.2, 3.2, 0.0);
 (400062.8, 3737111.9, 3.0, 3.0, 0.0); (400082.8,
 3737111.9, 2.9, 2.9, 0.0);
 (400102.8, 3737111.9, 3.0, 3.0, 0.0); (400122.8,
 3737111.9, 3.0, 3.0, 0.0);
 (400142.8, 3737111.9, 3.2, 3.2, 0.0); (400162.8,
 3737111.9, 3.1, 3.1, 0.0);
 (400182.8, 3737111.9, 3.3, 3.3, 0.0); (398682.8,
 3737131.9, 0.2, 4.3, 0.0);
 (398702.8, 3737131.9, 2.7, 2.7, 0.0); (398722.8,
 3737131.9, 2.7, 2.7, 0.0);
 (398742.8, 3737131.9, 2.5, 2.5, 0.0); (398762.8,
 3737131.9, 2.5, 2.5, 0.0);
 (398782.8, 3737131.9, 2.7, 2.7, 0.0); (398802.8,
 3737131.9, 2.8, 2.8, 0.0);
 (398822.8, 3737131.9, 2.9, 2.9, 0.0); (398842.8,
 3737131.9, 2.9, 2.9, 0.0);
 (398862.8, 3737131.9, 2.8, 2.8, 0.0); (398882.8,
 3737131.9, 2.9, 2.9, 0.0);
 (398902.8, 3737131.9, 2.8, 2.8, 0.0); (398922.8,
 3737131.9, 2.8, 2.8, 0.0);
 (398942.8, 3737131.9, 2.8, 2.8, 0.0); (398962.8,
 3737131.9, 3.0, 3.0, 0.0);
 (398982.8, 3737131.9, 2.9, 2.9, 0.0); (399002.8,
 3737131.9, 2.8, 2.8, 0.0);

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399022.8, 3737131.9, 2.8, 2.8, 0.0); (399042.8,
 3737131.9, 2.9, 2.9, 0.0);
 (399062.8, 3737131.9, 2.9, 2.9, 0.0); (399082.8,
 3737131.9, 2.9, 2.9, 0.0);
 (399102.8, 3737131.9, 2.9, 2.9, 0.0); (399122.8,
 3737131.9, 3.0, 3.0, 0.0);
 (399142.8, 3737131.9, 3.0, 3.0, 0.0); (399162.8,
 3737131.9, 3.0, 3.0, 0.0);
 (399182.8, 3737131.9, 2.9, 2.9, 0.0); (399202.8,

3737131.9, 2.7, 2.7, 0.0);
(399222.8, 3737131.9, 2.7, 2.7, 0.0); (399242.8,
3737131.9, 2.8, 2.8, 0.0);
(399262.8, 3737131.9, 3.0, 3.0, 0.0); (399282.8,
3737131.9, 2.9, 2.9, 0.0);
(399302.8, 3737131.9, 2.8, 2.8, 0.0); (399322.8,
3737131.9, 2.7, 2.7, 0.0);
(399342.8, 3737131.9, 2.7, 2.7, 0.0); (399362.8,
3737131.9, 2.7, 2.7, 0.0);
(399382.8, 3737131.9, 2.8, 2.8, 0.0); (399402.8,
3737131.9, 2.7, 2.7, 0.0);
(399422.8, 3737131.9, 2.8, 2.8, 0.0); (399442.8,
3737131.9, 2.8, 2.8, 0.0);
(399462.8, 3737131.9, 2.9, 2.9, 0.0); (399482.8,
3737131.9, 3.0, 3.0, 0.0);
(399502.8, 3737131.9, 3.0, 3.0, 0.0); (399522.8,
3737131.9, 3.0, 3.0, 0.0);
(399542.8, 3737131.9, 2.9, 2.9, 0.0); (399562.8,
3737131.9, 2.9, 2.9, 0.0);
(399582.8, 3737131.9, 3.3, 3.3, 0.0); (399602.8,
3737131.9, 3.3, 3.3, 0.0);
(399622.8, 3737131.9, 3.5, 3.5, 0.0); (399642.8,
3737131.9, 3.5, 3.5, 0.0);
(399662.8, 3737131.9, 3.6, 3.6, 0.0); (399682.8,
3737131.9, 3.4, 3.4, 0.0);
(399702.8, 3737131.9, 3.6, 3.6, 0.0); (399722.8,
3737131.9, 3.6, 3.6, 0.0);
(399742.8, 3737131.9, 3.6, 3.6, 0.0); (399762.8,
3737131.9, 3.6, 3.6, 0.0);
(399782.8, 3737131.9, 3.6, 3.6, 0.0); (399802.8,
3737131.9, 3.6, 3.6, 0.0);
(399822.8, 3737131.9, 3.6, 3.6, 0.0); (399842.8,
3737131.9, 3.6, 3.6, 0.0);
(399862.8, 3737131.9, 3.5, 3.5, 0.0); (399882.8,
3737131.9, 3.4, 3.4, 0.0);
(399902.8, 3737131.9, 3.3, 3.3, 0.0); (399922.8,
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(399942.8, 3737131.9, 3.3, 3.3, 0.0); (399962.8,
3737131.9, 3.2, 3.2, 0.0);
(399982.8, 3737131.9, 3.2, 3.2, 0.0); (400002.8,
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(400022.8, 3737131.9, 3.3, 3.3, 0.0); (400042.8,
3737131.9, 3.4, 3.4, 0.0);
(400062.8, 3737131.9, 3.2, 3.2, 0.0); (400082.8,
3737131.9, 3.3, 3.3, 0.0);
(400102.8, 3737131.9, 3.0, 3.0, 0.0); (400122.8,
3737131.9, 2.9, 2.9, 0.0);
(400142.8, 3737131.9, 2.8, 2.8, 0.0); (400162.8,
3737131.9, 3.0, 3.0, 0.0);
(400182.8, 3737131.9, 3.4, 3.4, 0.0); (398682.8,

3737151.9, 1.9, 2.6, 0.0);
 (398702.8, 3737151.9, 2.7, 2.7, 0.0); (398722.8,
 3737151.9, 2.4, 2.4, 0.0);
 (398742.8, 3737151.9, 2.3, 2.3, 0.0); (398762.8,
 3737151.9, 2.4, 2.4, 0.0);
 (398782.8, 3737151.9, 2.6, 2.6, 0.0); (398802.8,
 3737151.9, 2.9, 2.9, 0.0);
 (398822.8, 3737151.9, 2.8, 2.8, 0.0); (398842.8,
 3737151.9, 2.9, 2.9, 0.0);
 (398862.8, 3737151.9, 2.8, 2.8, 0.0); (398882.8,
 3737151.9, 2.8, 2.8, 0.0);
 (398902.8, 3737151.9, 2.8, 2.8, 0.0); (398922.8,
 3737151.9, 2.8, 2.8, 0.0);
 (398942.8, 3737151.9, 2.8, 2.8, 0.0); (398962.8,
 3737151.9, 2.9, 2.9, 0.0);
 (398982.8, 3737151.9, 2.7, 2.7, 0.0); (399002.8,
 3737151.9, 2.8, 2.8, 0.0);
 (399022.8, 3737151.9, 3.0, 3.0, 0.0); (399042.8,
 3737151.9, 3.1, 3.1, 0.0);
 (399062.8, 3737151.9, 3.0, 3.0, 0.0); (399082.8,
 3737151.9, 3.0, 3.0, 0.0);
 (399102.8, 3737151.9, 3.0, 3.0, 0.0); (399122.8,
 3737151.9, 3.1, 3.1, 0.0);
 (399142.8, 3737151.9, 3.0, 3.0, 0.0); (399162.8,
 3737151.9, 3.0, 3.0, 0.0);
 (399182.8, 3737151.9, 3.1, 3.1, 0.0); (399202.8,
 3737151.9, 3.0, 3.0, 0.0);
 (399222.8, 3737151.9, 2.7, 2.7, 0.0); (399242.8,
 3737151.9, 2.6, 2.6, 0.0);
 (399262.8, 3737151.9, 2.8, 2.8, 0.0); (399282.8,
 3737151.9, 2.9, 2.9, 0.0);

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399302.8, 3737151.9, 2.8, 2.8, 0.0); (399322.8,
 3737151.9, 2.8, 2.8, 0.0);
 (399342.8, 3737151.9, 2.8, 2.8, 0.0); (399362.8,
 3737151.9, 2.8, 2.8, 0.0);
 (399382.8, 3737151.9, 2.6, 2.6, 0.0); (399402.8,
 3737151.9, 2.8, 2.8, 0.0);
 (399422.8, 3737151.9, 2.9, 2.9, 0.0); (399442.8,

3737151.9, 2.8, 2.8, 0.0);
(399462.8, 3737151.9, 2.7, 2.7, 0.0); (399482.8,
3737151.9, 2.8, 2.8, 0.0);
(399502.8, 3737151.9, 3.0, 3.0, 0.0); (399522.8,
3737151.9, 3.2, 3.2, 0.0);
(399542.8, 3737151.9, 3.1, 3.1, 0.0); (399562.8,
3737151.9, 3.2, 3.2, 0.0);
(399582.8, 3737151.9, 3.3, 3.3, 0.0); (399602.8,
3737151.9, 3.3, 3.3, 0.0);
(399622.8, 3737151.9, 3.5, 3.5, 0.0); (399642.8,
3737151.9, 3.6, 3.6, 0.0);
(399662.8, 3737151.9, 3.4, 3.4, 0.0); (399682.8,
3737151.9, 3.4, 3.4, 0.0);
(399702.8, 3737151.9, 3.3, 3.3, 0.0); (399722.8,
3737151.9, 3.4, 3.4, 0.0);
(399742.8, 3737151.9, 3.5, 3.5, 0.0); (399762.8,
3737151.9, 3.6, 3.6, 0.0);
(399782.8, 3737151.9, 3.6, 3.6, 0.0); (399802.8,
3737151.9, 3.7, 3.7, 0.0);
(399822.8, 3737151.9, 3.6, 3.6, 0.0); (399842.8,
3737151.9, 3.6, 3.6, 0.0);
(399862.8, 3737151.9, 3.5, 3.5, 0.0); (399882.8,
3737151.9, 3.5, 3.5, 0.0);
(399902.8, 3737151.9, 3.5, 3.5, 0.0); (399922.8,
3737151.9, 3.4, 3.4, 0.0);
(399942.8, 3737151.9, 3.3, 3.3, 0.0); (399962.8,
3737151.9, 3.3, 3.3, 0.0);
(399982.8, 3737151.9, 3.0, 3.0, 0.0); (400002.8,
3737151.9, 3.2, 3.2, 0.0);
(400022.8, 3737151.9, 3.3, 3.3, 0.0); (400042.8,
3737151.9, 3.5, 3.5, 0.0);
(400062.8, 3737151.9, 3.4, 3.4, 0.0); (400082.8,
3737151.9, 3.4, 3.4, 0.0);
(400102.8, 3737151.9, 3.4, 3.4, 0.0); (400122.8,
3737151.9, 3.0, 3.0, 0.0);
(400142.8, 3737151.9, 2.9, 2.9, 0.0); (400162.8,
3737151.9, 3.2, 3.2, 0.0);
(400182.8, 3737151.9, 3.4, 3.4, 0.0); (398682.8,
3737171.9, 2.7, 2.7, 0.0);
(398702.8, 3737171.9, 2.6, 2.6, 0.0); (398722.8,
3737171.9, 2.4, 2.4, 0.0);
(398742.8, 3737171.9, 2.4, 2.4, 0.0); (398762.8,
3737171.9, 2.4, 2.4, 0.0);
(398782.8, 3737171.9, 2.6, 2.6, 0.0); (398802.8,
3737171.9, 2.7, 2.7, 0.0);
(398822.8, 3737171.9, 2.8, 2.8, 0.0); (398842.8,
3737171.9, 2.8, 2.8, 0.0);
(398862.8, 3737171.9, 2.7, 2.7, 0.0); (398882.8,
3737171.9, 2.7, 2.7, 0.0);
(398902.8, 3737171.9, 2.8, 2.8, 0.0); (398922.8,

3737171.9, 2.8, 2.8, 0.0);
 (398942.8, 3737171.9, 2.8, 2.8, 0.0); (398962.8,
 3737171.9, 2.6, 2.6, 0.0);
 (398982.8, 3737171.9, 2.7, 2.7, 0.0); (399002.8,
 3737171.9, 2.9, 2.9, 0.0);
 (399022.8, 3737171.9, 3.1, 3.1, 0.0); (399042.8,
 3737171.9, 3.0, 3.0, 0.0);
 (399062.8, 3737171.9, 3.1, 3.1, 0.0); (399082.8,
 3737171.9, 3.2, 3.2, 0.0);
 (399102.8, 3737171.9, 3.1, 3.1, 0.0); (399122.8,
 3737171.9, 3.1, 3.1, 0.0);
 (399142.8, 3737171.9, 3.0, 3.0, 0.0); (399162.8,
 3737171.9, 3.0, 3.0, 0.0);
 (399182.8, 3737171.9, 3.0, 3.0, 0.0); (399202.8,
 3737171.9, 3.0, 3.0, 0.0);
 (399222.8, 3737171.9, 2.9, 2.9, 0.0); (399242.8,
 3737171.9, 2.7, 2.7, 0.0);
 (399262.8, 3737171.9, 2.5, 2.5, 0.0); (399282.8,
 3737171.9, 2.8, 2.8, 0.0);
 (399302.8, 3737171.9, 2.9, 2.9, 0.0); (399322.8,
 3737171.9, 2.9, 2.9, 0.0);
 (399342.8, 3737171.9, 2.9, 2.9, 0.0); (399362.8,
 3737171.9, 2.7, 2.7, 0.0);
 (399382.8, 3737171.9, 2.7, 2.7, 0.0); (399402.8,
 3737171.9, 2.9, 2.9, 0.0);
 (399422.8, 3737171.9, 2.9, 2.9, 0.0); (399442.8,
 3737171.9, 2.8, 2.8, 0.0);
 (399462.8, 3737171.9, 2.7, 2.7, 0.0); (399482.8,
 3737171.9, 2.8, 2.8, 0.0);
 (399502.8, 3737171.9, 2.9, 2.9, 0.0); (399522.8,
 3737171.9, 3.0, 3.0, 0.0);
 (399542.8, 3737171.9, 3.2, 3.2, 0.0); (399562.8,
 3737171.9, 3.2, 3.2, 0.0);

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399582.8, 3737171.9, 3.2, 3.2, 0.0); (399602.8,
 3737171.9, 3.4, 3.4, 0.0);
 (399622.8, 3737171.9, 3.4, 3.4, 0.0); (399642.8,
 3737171.9, 3.5, 3.5, 0.0);
 (399662.8, 3737171.9, 3.4, 3.4, 0.0); (399682.8,

3737171.9, 3.3, 3.3, 0.0);
 (399702.8, 3737171.9, 3.3, 3.3, 0.0); (399722.8,
 3737171.9, 3.3, 3.3, 0.0);
 (399742.8, 3737171.9, 3.3, 3.3, 0.0); (399762.8,
 3737171.9, 3.5, 3.5, 0.0);
 (399782.8, 3737171.9, 3.7, 3.7, 0.0); (399802.8,
 3737171.9, 3.6, 3.6, 0.0);
 (399822.8, 3737171.9, 3.7, 3.7, 0.0); (399842.8,
 3737171.9, 3.6, 3.6, 0.0);
 (399862.8, 3737171.9, 3.6, 3.6, 0.0); (399882.8,
 3737171.9, 3.6, 3.6, 0.0);
 (399902.8, 3737171.9, 3.5, 3.5, 0.0); (399922.8,
 3737171.9, 3.5, 3.5, 0.0);
 (399942.8, 3737171.9, 3.4, 3.4, 0.0); (399962.8,
 3737171.9, 3.1, 3.1, 0.0);
 (399982.8, 3737171.9, 3.1, 3.1, 0.0); (400002.8,
 3737171.9, 3.3, 3.3, 0.0);
 (400022.8, 3737171.9, 3.4, 3.4, 0.0); (400042.8,
 3737171.9, 3.4, 3.4, 0.0);
 (400062.8, 3737171.9, 3.5, 3.5, 0.0); (400082.8,
 3737171.9, 3.5, 3.5, 0.0);
 (400102.8, 3737171.9, 3.4, 3.4, 0.0); (400122.8,
 3737171.9, 3.4, 3.4, 0.0);
 (400142.8, 3737171.9, 3.4, 3.4, 0.0); (400162.8,
 3737171.9, 3.3, 3.3, 0.0);
 (400182.8, 3737171.9, 3.4, 3.4, 0.0); (398682.8,
 3737191.9, 2.7, 2.7, 0.0);
 (398702.8, 3737191.9, 2.6, 2.6, 0.0); (398722.8,
 3737191.9, 2.4, 2.4, 0.0);
 (398742.8, 3737191.9, 2.5, 2.5, 0.0); (398762.8,
 3737191.9, 2.4, 2.4, 0.0);
 (398782.8, 3737191.9, 2.7, 2.7, 0.0); (398802.8,
 3737191.9, 2.7, 2.7, 0.0);
 (398822.8, 3737191.9, 2.9, 2.9, 0.0); (398842.8,
 3737191.9, 2.8, 2.8, 0.0);
 (398862.8, 3737191.9, 2.7, 2.7, 0.0); (398882.8,
 3737191.9, 2.8, 2.8, 0.0);
 (398902.8, 3737191.9, 2.8, 2.8, 0.0); (398922.8,
 3737191.9, 2.9, 2.9, 0.0);
 (398942.8, 3737191.9, 2.8, 2.8, 0.0); (398962.8,
 3737191.9, 2.6, 2.6, 0.0);
 (398982.8, 3737191.9, 2.7, 2.7, 0.0); (399002.8,
 3737191.9, 2.8, 2.8, 0.0);
 (399022.8, 3737191.9, 3.0, 3.0, 0.0); (399042.8,
 3737191.9, 3.0, 3.0, 0.0);
 (399062.8, 3737191.9, 3.0, 3.0, 0.0); (399082.8,
 3737191.9, 3.0, 3.0, 0.0);
 (399102.8, 3737191.9, 3.0, 3.0, 0.0); (399122.8,
 3737191.9, 3.1, 3.1, 0.0);
 (399142.8, 3737191.9, 3.0, 3.0, 0.0); (399162.8,

3737191.9, 2.8, 2.8, 0.0);
 (399182.8, 3737191.9, 3.0, 3.0, 0.0); (399202.8,
 3737191.9, 3.0, 3.0, 0.0);
 (399222.8, 3737191.9, 3.0, 3.0, 0.0); (399242.8,
 3737191.9, 2.7, 2.7, 0.0);
 (399262.8, 3737191.9, 2.5, 2.5, 0.0); (399282.8,
 3737191.9, 2.5, 2.5, 0.0);
 (399302.8, 3737191.9, 2.7, 2.7, 0.0); (399322.8,
 3737191.9, 2.9, 2.9, 0.0);
 (399342.8, 3737191.9, 2.8, 2.8, 0.0); (399362.8,
 3737191.9, 2.6, 2.6, 0.0);
 (399382.8, 3737191.9, 2.9, 2.9, 0.0); (399402.8,
 3737191.9, 3.0, 3.0, 0.0);
 (399422.8, 3737191.9, 2.8, 2.8, 0.0); (399442.8,
 3737191.9, 2.8, 2.8, 0.0);
 (399462.8, 3737191.9, 2.8, 2.8, 0.0); (399482.8,
 3737191.9, 3.0, 3.0, 0.0);
 (399502.8, 3737191.9, 3.2, 3.2, 0.0); (399522.8,
 3737191.9, 3.1, 3.1, 0.0);
 (399542.8, 3737191.9, 3.0, 3.0, 0.0); (399562.8,
 3737191.9, 3.1, 3.1, 0.0);
 (399582.8, 3737191.9, 3.3, 3.3, 0.0); (399602.8,
 3737191.9, 3.4, 3.4, 0.0);
 (399622.8, 3737191.9, 3.4, 3.4, 0.0); (399642.8,
 3737191.9, 3.4, 3.4, 0.0);
 (399662.8, 3737191.9, 3.5, 3.5, 0.0); (399682.8,
 3737191.9, 3.3, 3.3, 0.0);
 (399702.8, 3737191.9, 3.3, 3.3, 0.0); (399722.8,
 3737191.9, 3.2, 3.2, 0.0);
 (399742.8, 3737191.9, 3.3, 3.3, 0.0); (399762.8,
 3737191.9, 3.3, 3.3, 0.0);
 (399782.8, 3737191.9, 3.4, 3.4, 0.0); (399802.8,
 3737191.9, 3.5, 3.5, 0.0);
 (399822.8, 3737191.9, 3.7, 3.7, 0.0); (399842.8,
 3737191.9, 3.6, 3.6, 0.0);

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399862.8, 3737191.9, 3.6, 3.6, 0.0); (399882.8,
 3737191.9, 3.7, 3.7, 0.0);
 (399902.8, 3737191.9, 3.6, 3.6, 0.0); (399922.8,

3737191.9, 3.4, 3.4, 0.0);
(399942.8, 3737191.9, 3.2, 3.2, 0.0); (399962.8,
3737191.9, 3.1, 3.1, 0.0);
(399982.8, 3737191.9, 3.3, 3.3, 0.0); (400002.8,
3737191.9, 3.4, 3.4, 0.0);
(400022.8, 3737191.9, 3.5, 3.5, 0.0); (400042.8,
3737191.9, 3.4, 3.4, 0.0);
(400062.8, 3737191.9, 3.5, 3.5, 0.0); (400082.8,
3737191.9, 3.4, 3.4, 0.0);
(400102.8, 3737191.9, 3.4, 3.4, 0.0); (400122.8,
3737191.9, 3.4, 3.4, 0.0);
(400142.8, 3737191.9, 3.4, 3.4, 0.0); (400162.8,
3737191.9, 3.3, 3.3, 0.0);
(400182.8, 3737191.9, 3.4, 3.4, 0.0); (398682.8,
3737211.9, 2.8, 2.8, 0.0);
(398702.8, 3737211.9, 2.7, 2.7, 0.0); (398722.8,
3737211.9, 2.7, 2.7, 0.0);
(398742.8, 3737211.9, 2.8, 2.8, 0.0); (398762.8,
3737211.9, 2.6, 2.6, 0.0);
(398782.8, 3737211.9, 2.8, 2.8, 0.0); (398802.8,
3737211.9, 2.8, 2.8, 0.0);
(398822.8, 3737211.9, 2.8, 2.8, 0.0); (398842.8,
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(398862.8, 3737211.9, 2.8, 2.8, 0.0); (398882.8,
3737211.9, 2.8, 2.8, 0.0);
(398902.8, 3737211.9, 2.8, 2.8, 0.0); (398922.8,
3737211.9, 2.8, 2.8, 0.0);
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(398982.8, 3737211.9, 2.7, 2.7, 0.0); (399002.8,
3737211.9, 2.7, 2.7, 0.0);
(399022.8, 3737211.9, 2.7, 2.7, 0.0); (399042.8,
3737211.9, 2.8, 2.8, 0.0);
(399062.8, 3737211.9, 3.1, 3.1, 0.0); (399082.8,
3737211.9, 3.0, 3.0, 0.0);
(399102.8, 3737211.9, 3.0, 3.0, 0.0); (399122.8,
3737211.9, 3.0, 3.0, 0.0);
(399142.8, 3737211.9, 3.0, 3.0, 0.0); (399162.8,
3737211.9, 2.8, 2.8, 0.0);
(399182.8, 3737211.9, 2.9, 2.9, 0.0); (399202.8,
3737211.9, 3.0, 3.0, 0.0);
(399222.8, 3737211.9, 2.9, 2.9, 0.0); (399242.8,
3737211.9, 2.6, 2.6, 0.0);
(399262.8, 3737211.9, 2.5, 2.5, 0.0); (399282.8,
3737211.9, 2.5, 2.5, 0.0);
(399302.8, 3737211.9, 2.7, 2.7, 0.0); (399322.8,
3737211.9, 2.6, 2.6, 0.0);
(399342.8, 3737211.9, 2.6, 2.6, 0.0); (399362.8,
3737211.9, 2.7, 2.7, 0.0);
(399382.8, 3737211.9, 3.2, 3.2, 0.0); (399402.8,

3737211.9, 3.2, 3.2, 0.0);
 (399422.8, 3737211.9, 3.0, 3.0, 0.0); (399442.8,
 3737211.9, 2.9, 2.9, 0.0);
 (399462.8, 3737211.9, 3.0, 3.0, 0.0); (399482.8,
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 (399502.8, 3737211.9, 3.2, 3.2, 0.0); (399522.8,
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 (399542.8, 3737211.9, 3.1, 3.1, 0.0); (399562.8,
 3737211.9, 3.0, 3.0, 0.0);
 (399582.8, 3737211.9, 3.1, 3.1, 0.0); (399602.8,
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 (399622.8, 3737211.9, 3.3, 3.3, 0.0); (399642.8,
 3737211.9, 3.4, 3.4, 0.0);
 (399662.8, 3737211.9, 3.4, 3.4, 0.0); (399682.8,
 3737211.9, 3.4, 3.4, 0.0);
 (399702.8, 3737211.9, 3.3, 3.3, 0.0); (399722.8,
 3737211.9, 3.3, 3.3, 0.0);
 (399742.8, 3737211.9, 3.3, 3.3, 0.0); (399762.8,
 3737211.9, 3.3, 3.3, 0.0);
 (399782.8, 3737211.9, 3.4, 3.4, 0.0); (399802.8,
 3737211.9, 3.5, 3.5, 0.0);
 (399822.8, 3737211.9, 3.7, 3.7, 0.0); (399842.8,
 3737211.9, 3.7, 3.7, 0.0);
 (399862.8, 3737211.9, 3.6, 3.6, 0.0); (399882.8,
 3737211.9, 3.6, 3.6, 0.0);
 (399902.8, 3737211.9, 3.5, 3.5, 0.0); (399922.8,
 3737211.9, 3.5, 3.5, 0.0);
 (399942.8, 3737211.9, 3.2, 3.2, 0.0); (399962.8,
 3737211.9, 3.1, 3.1, 0.0);
 (399982.8, 3737211.9, 3.4, 3.4, 0.0); (400002.8,
 3737211.9, 3.4, 3.4, 0.0);
 (400022.8, 3737211.9, 3.5, 3.5, 0.0); (400042.8,
 3737211.9, 3.4, 3.4, 0.0);
 (400062.8, 3737211.9, 3.5, 3.5, 0.0); (400082.8,
 3737211.9, 3.5, 3.5, 0.0);
 (400102.8, 3737211.9, 3.4, 3.4, 0.0); (400122.8,
 3737211.9, 3.4, 3.4, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(400142.8, 3737211.9, 3.4, 3.4, 0.0); (400162.8,

3737211.9, 3.5, 3.5, 0.0);
(400182.8, 3737211.9, 3.5, 3.5, 0.0); (398682.8,
3737231.9, 2.7, 2.7, 0.0);
(398702.8, 3737231.9, 2.8, 2.8, 0.0); (398722.8,
3737231.9, 2.7, 2.7, 0.0);
(398742.8, 3737231.9, 2.7, 2.7, 0.0); (398762.8,
3737231.9, 2.6, 2.6, 0.0);
(398782.8, 3737231.9, 2.7, 2.7, 0.0); (398802.8,
3737231.9, 2.8, 2.8, 0.0);
(398822.8, 3737231.9, 2.9, 2.9, 0.0); (398842.8,
3737231.9, 2.8, 2.8, 0.0);
(398862.8, 3737231.9, 2.9, 2.9, 0.0); (398882.8,
3737231.9, 2.9, 2.9, 0.0);
(398902.8, 3737231.9, 2.9, 2.9, 0.0); (398922.8,
3737231.9, 2.8, 2.8, 0.0);
(398942.8, 3737231.9, 2.8, 2.8, 0.0); (398962.8,
3737231.9, 2.9, 2.9, 0.0);
(398982.8, 3737231.9, 2.9, 2.9, 0.0); (399002.8,
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(399022.8, 3737231.9, 2.6, 2.6, 0.0); (399042.8,
3737231.9, 2.8, 2.8, 0.0);
(399062.8, 3737231.9, 3.1, 3.1, 0.0); (399082.8,
3737231.9, 3.0, 3.0, 0.0);
(399102.8, 3737231.9, 3.1, 3.1, 0.0); (399122.8,
3737231.9, 2.9, 2.9, 0.0);
(399142.8, 3737231.9, 2.7, 2.7, 0.0); (399162.8,
3737231.9, 2.8, 2.8, 0.0);
(399182.8, 3737231.9, 2.9, 2.9, 0.0); (399202.8,
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(399222.8, 3737231.9, 3.0, 3.0, 0.0); (399242.8,
3737231.9, 2.8, 2.8, 0.0);
(399262.8, 3737231.9, 2.6, 2.6, 0.0); (399282.8,
3737231.9, 2.7, 2.7, 0.0);
(399302.8, 3737231.9, 2.9, 2.9, 0.0); (399322.8,
3737231.9, 2.7, 2.7, 0.0);
(399342.8, 3737231.9, 2.6, 2.6, 0.0); (399362.8,
3737231.9, 3.1, 3.1, 0.0);
(399382.8, 3737231.9, 3.1, 3.1, 0.0); (399402.8,
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(399422.8, 3737231.9, 3.2, 3.2, 0.0); (399442.8,
3737231.9, 3.1, 3.1, 0.0);
(399462.8, 3737231.9, 3.2, 3.2, 0.0); (399482.8,
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(399502.8, 3737231.9, 3.3, 3.3, 0.0); (399522.8,
3737231.9, 3.2, 3.2, 0.0);
(399542.8, 3737231.9, 3.2, 3.2, 0.0); (399562.8,
3737231.9, 3.4, 3.4, 0.0);
(399582.8, 3737231.9, 3.1, 3.1, 0.0); (399602.8,
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(399622.8, 3737231.9, 3.2, 3.2, 0.0); (399642.8,

3737231.9, 3.4, 3.4, 0.0);
 (399662.8, 3737231.9, 3.4, 3.4, 0.0); (399682.8,
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 (399702.8, 3737231.9, 3.3, 3.3, 0.0); (399722.8,
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 (399742.8, 3737231.9, 3.3, 3.3, 0.0); (399762.8,
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 (399822.8, 3737231.9, 3.6, 3.6, 0.0); (399842.8,
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 (399862.8, 3737231.9, 3.5, 3.5, 0.0); (399882.8,
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 (399902.8, 3737231.9, 3.4, 3.4, 0.0); (399922.8,
 3737231.9, 3.3, 3.3, 0.0);
 (399942.8, 3737231.9, 3.1, 3.1, 0.0); (399962.8,
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 (399982.8, 3737231.9, 3.1, 3.1, 0.0); (400002.8,
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 (400062.8, 3737231.9, 3.5, 3.5, 0.0); (400082.8,
 3737231.9, 3.5, 3.5, 0.0);
 (400102.8, 3737231.9, 3.3, 3.3, 0.0); (400122.8,
 3737231.9, 3.4, 3.4, 0.0);
 (400142.8, 3737231.9, 3.2, 3.2, 0.0); (400162.8,
 3737231.9, 3.2, 3.2, 0.0);
 (400182.8, 3737231.9, 3.5, 3.5, 0.0); (398682.8,
 3737251.9, 2.5, 2.5, 0.0);
 (398702.8, 3737251.9, 2.5, 2.5, 0.0); (398722.8,
 3737251.9, 2.6, 2.6, 0.0);
 (398742.8, 3737251.9, 2.8, 2.8, 0.0); (398762.8,
 3737251.9, 2.8, 2.8, 0.0);
 (398782.8, 3737251.9, 2.7, 2.7, 0.0); (398802.8,
 3737251.9, 2.8, 2.8, 0.0);
 (398822.8, 3737251.9, 2.8, 2.8, 0.0); (398842.8,
 3737251.9, 2.8, 2.8, 0.0);
 (398862.8, 3737251.9, 2.9, 2.9, 0.0); (398882.8,
 3737251.9, 2.8, 2.8, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(398902.8, 3737251.9, 2.8, 2.8, 0.0); (398922.8, 3737251.9, 2.8, 2.8, 0.0);
(398942.8, 3737251.9, 2.8, 2.8, 0.0); (398962.8, 3737251.9, 2.7, 2.7, 0.0);
(398982.8, 3737251.9, 2.8, 2.8, 0.0); (399002.8, 3737251.9, 3.0, 3.0, 0.0);
(399022.8, 3737251.9, 2.9, 2.9, 0.0); (399042.8, 3737251.9, 2.9, 2.9, 0.0);
(399062.8, 3737251.9, 3.0, 3.0, 0.0); (399082.8, 3737251.9, 3.0, 3.0, 0.0);
(399102.8, 3737251.9, 3.0, 3.0, 0.0); (399122.8, 3737251.9, 2.9, 2.9, 0.0);
(399142.8, 3737251.9, 2.9, 2.9, 0.0); (399162.8, 3737251.9, 3.0, 3.0, 0.0);
(399182.8, 3737251.9, 2.8, 2.8, 0.0); (399202.8, 3737251.9, 2.9, 2.9, 0.0);
(399222.8, 3737251.9, 3.0, 3.0, 0.0); (399242.8, 3737251.9, 3.0, 3.0, 0.0);
(399262.8, 3737251.9, 2.9, 2.9, 0.0); (399282.8, 3737251.9, 2.9, 2.9, 0.0);
(399302.8, 3737251.9, 2.9, 2.9, 0.0); (399322.8, 3737251.9, 2.6, 2.6, 0.0);
(399342.8, 3737251.9, 2.9, 2.9, 0.0); (399362.8, 3737251.9, 3.1, 3.1, 0.0);
(399382.8, 3737251.9, 3.1, 3.1, 0.0); (399402.8, 3737251.9, 3.2, 3.2, 0.0);
(399422.8, 3737251.9, 3.1, 3.1, 0.0); (399442.8, 3737251.9, 3.2, 3.2, 0.0);
(399462.8, 3737251.9, 3.3, 3.3, 0.0); (399482.8, 3737251.9, 3.3, 3.3, 0.0);
(399502.8, 3737251.9, 3.4, 3.4, 0.0); (399522.8, 3737251.9, 3.2, 3.2, 0.0);
(399542.8, 3737251.9, 3.3, 3.3, 0.0); (399562.8, 3737251.9, 3.3, 3.3, 0.0);
(399582.8, 3737251.9, 2.9, 2.9, 0.0); (399602.8, 3737251.9, 2.9, 2.9, 0.0);
(399622.8, 3737251.9, 3.0, 3.0, 0.0); (399642.8, 3737251.9, 3.2, 3.2, 0.0);
(399662.8, 3737251.9, 3.5, 3.5, 0.0); (399682.8, 3737251.9, 3.2, 3.2, 0.0);
(399702.8, 3737251.9, 3.3, 3.3, 0.0); (399722.8, 3737251.9, 3.5, 3.5, 0.0);
(399742.8, 3737251.9, 3.5, 3.5, 0.0); (399762.8, 3737251.9, 3.5, 3.5, 0.0);
(399782.8, 3737251.9, 3.5, 3.5, 0.0); (399802.8, 3737251.9, 3.6, 3.6, 0.0);
(399822.8, 3737251.9, 3.5, 3.5, 0.0); (399842.8, 3737251.9, 3.5, 3.5, 0.0);
(399862.8, 3737251.9, 3.2, 3.2, 0.0); (399882.8, 3737251.9, 3.2, 3.2, 0.0);

3737251.9, 3.3, 3.3, 0.0);
 (399902.8, 3737251.9, 3.4, 3.4, 0.0); (399922.8,
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 (399942.8, 3737251.9, 3.1, 3.1, 0.0); (399962.8,
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 (399982.8, 3737251.9, 3.1, 3.1, 0.0); (400002.8,
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 (400022.8, 3737251.9, 3.2, 3.2, 0.0); (400042.8,
 3737251.9, 3.5, 3.5, 0.0);
 (400062.8, 3737251.9, 3.5, 3.5, 0.0); (400082.8,
 3737251.9, 3.4, 3.4, 0.0);
 (400102.8, 3737251.9, 3.4, 3.4, 0.0); (400122.8,
 3737251.9, 3.4, 3.4, 0.0);
 (400142.8, 3737251.9, 3.1, 3.1, 0.0); (400162.8,
 3737251.9, 3.2, 3.2, 0.0);
 (400182.8, 3737251.9, 3.5, 3.5, 0.0); (398682.8,
 3737271.9, 2.6, 2.6, 0.0);
 (398702.8, 3737271.9, 2.6, 2.6, 0.0); (398722.8,
 3737271.9, 2.6, 2.6, 0.0);
 (398742.8, 3737271.9, 2.8, 2.8, 0.0); (398762.8,
 3737271.9, 2.9, 2.9, 0.0);
 (398782.8, 3737271.9, 2.6, 2.6, 0.0); (398802.8,
 3737271.9, 2.9, 2.9, 0.0);
 (398822.8, 3737271.9, 2.8, 2.8, 0.0); (398842.8,
 3737271.9, 2.6, 2.6, 0.0);
 (398862.8, 3737271.9, 2.5, 2.5, 0.0); (398882.8,
 3737271.9, 2.6, 2.6, 0.0);
 (398902.8, 3737271.9, 2.7, 2.7, 0.0); (398922.8,
 3737271.9, 2.8, 2.8, 0.0);
 (398942.8, 3737271.9, 2.9, 2.9, 0.0); (398962.8,
 3737271.9, 2.8, 2.8, 0.0);
 (398982.8, 3737271.9, 2.8, 2.8, 0.0); (399002.8,
 3737271.9, 2.9, 2.9, 0.0);
 (399022.8, 3737271.9, 3.0, 3.0, 0.0); (399042.8,
 3737271.9, 3.0, 3.0, 0.0);
 (399062.8, 3737271.9, 2.9, 2.9, 0.0); (399082.8,
 3737271.9, 2.7, 2.7, 0.0);
 (399102.8, 3737271.9, 2.8, 2.8, 0.0); (399122.8,
 3737271.9, 3.0, 3.0, 0.0);
 (399142.8, 3737271.9, 3.0, 3.0, 0.0); (399162.8,
 3737271.9, 3.0, 3.0, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399182.8, 3737271.9,	3.0,	3.0,	0.0);	(399202.8,
3737271.9, 3.0,	3.0,	0.0);		
(399222.8, 3737271.9,	3.1,	3.1,	0.0);	(399242.8,
3737271.9, 3.1,	3.1,	0.0);		
(399262.8, 3737271.9,	3.1,	3.1,	0.0);	(399282.8,
3737271.9, 3.0,	3.0,	0.0);		
(399302.8, 3737271.9,	2.7,	2.7,	0.0);	(399322.8,
3737271.9, 2.7,	2.7,	0.0);		
(399342.8, 3737271.9,	3.0,	3.0,	0.0);	(399362.8,
3737271.9, 3.1,	3.1,	0.0);		
(399382.8, 3737271.9,	3.1,	3.1,	0.0);	(399402.8,
3737271.9, 3.2,	3.2,	0.0);		
(399422.8, 3737271.9,	3.2,	3.2,	0.0);	(399442.8,
3737271.9, 3.2,	3.2,	0.0);		
(399462.8, 3737271.9,	3.2,	3.2,	0.0);	(399482.8,
3737271.9, 3.3,	3.3,	0.0);		
(399502.8, 3737271.9,	3.5,	3.5,	0.0);	(399522.8,
3737271.9, 3.3,	3.3,	0.0);		
(399542.8, 3737271.9,	3.4,	3.4,	0.0);	(399562.8,
3737271.9, 3.1,	3.1,	0.0);		
(399582.8, 3737271.9,	3.0,	3.0,	0.0);	(399602.8,
3737271.9, 3.0,	3.0,	0.0);		
(399622.8, 3737271.9,	3.1,	3.1,	0.0);	(399642.8,
3737271.9, 3.3,	3.3,	0.0);		
(399662.8, 3737271.9,	3.1,	3.1,	0.0);	(399682.8,
3737271.9, 3.1,	3.1,	0.0);		
(399702.8, 3737271.9,	3.5,	3.5,	0.0);	(399722.8,
3737271.9, 3.5,	3.5,	0.0);		
(399742.8, 3737271.9,	3.5,	3.5,	0.0);	(399762.8,
3737271.9, 3.6,	3.6,	0.0);		
(399782.8, 3737271.9,	3.6,	3.6,	0.0);	(399802.8,
3737271.9, 3.6,	3.6,	0.0);		
(399822.8, 3737271.9,	3.4,	3.4,	0.0);	(399842.8,
3737271.9, 3.3,	3.3,	0.0);		
(399862.8, 3737271.9,	3.2,	3.2,	0.0);	(399882.8,
3737271.9, 3.1,	3.1,	0.0);		
(399902.8, 3737271.9,	3.1,	3.1,	0.0);	(399922.8,
3737271.9, 3.3,	3.3,	0.0);		
(399942.8, 3737271.9,	3.4,	3.4,	0.0);	(399962.8,
3737271.9, 3.2,	3.2,	0.0);		
(399982.8, 3737271.9,	3.1,	3.1,	0.0);	(400002.8,
3737271.9, 3.1,	3.1,	0.0);		
(400022.8, 3737271.9,	3.2,	3.2,	0.0);	(400042.8,
3737271.9, 3.2,	3.2,	0.0);		
(400062.8, 3737271.9,	3.5,	3.5,	0.0);	(400082.8,
3737271.9, 3.4,	3.4,	0.0);		
(400102.8, 3737271.9,	3.4,	3.4,	0.0);	(400122.8,

3737271.9, 3.5, 3.5, 0.0);
 (400142.8, 3737271.9, 3.2, 3.2, 0.0); (400162.8,
 3737271.9, 3.2, 3.2, 0.0);
 (400182.8, 3737271.9, 3.7, 3.7, 0.0); (398682.8,
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 (398702.8, 3737291.9, 2.6, 2.6, 0.0); (398722.8,
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 (398742.8, 3737291.9, 2.8, 2.8, 0.0); (398762.8,
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 (398782.8, 3737291.9, 2.6, 2.6, 0.0); (398802.8,
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 (398822.8, 3737291.9, 2.7, 2.7, 0.0); (398842.8,
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 (398862.8, 3737291.9, 2.5, 2.5, 0.0); (398882.8,
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 (398902.8, 3737291.9, 2.5, 2.5, 0.0); (398922.8,
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 (398942.8, 3737291.9, 2.9, 2.9, 0.0); (398962.8,
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 (398982.8, 3737291.9, 2.9, 2.9, 0.0); (399002.8,
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 (399022.8, 3737291.9, 2.9, 2.9, 0.0); (399042.8,
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 (399062.8, 3737291.9, 2.7, 2.7, 0.0); (399082.8,
 3737291.9, 2.6, 2.6, 0.0);
 (399102.8, 3737291.9, 2.8, 2.8, 0.0); (399122.8,
 3737291.9, 3.0, 3.0, 0.0);
 (399142.8, 3737291.9, 3.0, 3.0, 0.0); (399162.8,
 3737291.9, 3.0, 3.0, 0.0);
 (399182.8, 3737291.9, 3.0, 3.0, 0.0); (399202.8,
 3737291.9, 3.0, 3.0, 0.0);
 (399222.8, 3737291.9, 3.1, 3.1, 0.0); (399242.8,
 3737291.9, 3.1, 3.1, 0.0);
 (399262.8, 3737291.9, 3.0, 3.0, 0.0); (399282.8,
 3737291.9, 2.9, 2.9, 0.0);
 (399302.8, 3737291.9, 2.7, 2.7, 0.0); (399322.8,
 3737291.9, 3.1, 3.1, 0.0);
 (399342.8, 3737291.9, 3.0, 3.0, 0.0); (399362.8,
 3737291.9, 3.1, 3.1, 0.0);
 (399382.8, 3737291.9, 3.1, 3.1, 0.0); (399402.8,
 3737291.9, 3.2, 3.2, 0.0);
 (399422.8, 3737291.9, 3.3, 3.3, 0.0); (399442.8,
 3737291.9, 3.2, 3.2, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399462.8, 3737291.9,	3.3,	3.3,	0.0);	(399482.8,
3737291.9, 3.2,	3.2,	0.0);		
(399502.8, 3737291.9,	3.4,	3.4,	0.0);	(399522.8,
3737291.9, 3.3,	3.3,	0.0);		
(399542.8, 3737291.9,	3.5,	3.5,	0.0);	(399562.8,
3737291.9, 3.4,	3.4,	0.0);		
(399582.8, 3737291.9,	3.0,	3.0,	0.0);	(399602.8,
3737291.9, 3.0,	3.0,	0.0);		
(399622.8, 3737291.9,	3.4,	3.4,	0.0);	(399642.8,
3737291.9, 3.4,	3.4,	0.0);		
(399662.8, 3737291.9,	3.4,	3.4,	0.0);	(399682.8,
3737291.9, 3.2,	3.2,	0.0);		
(399702.8, 3737291.9,	3.2,	3.2,	0.0);	(399722.8,
3737291.9, 3.5,	3.5,	0.0);		
(399742.8, 3737291.9,	3.5,	3.5,	0.0);	(399762.8,
3737291.9, 3.6,	3.6,	0.0);		
(399782.8, 3737291.9,	3.6,	3.6,	0.0);	(399802.8,
3737291.9, 3.6,	3.6,	0.0);		
(399822.8, 3737291.9,	3.5,	3.5,	0.0);	(399842.8,
3737291.9, 3.3,	3.3,	0.0);		
(399862.8, 3737291.9,	3.2,	3.2,	0.0);	(399882.8,
3737291.9, 3.1,	3.1,	0.0);		
(399902.8, 3737291.9,	3.2,	3.2,	0.0);	(399922.8,
3737291.9, 3.6,	3.6,	0.0);		
(399942.8, 3737291.9,	3.5,	3.5,	0.0);	(399962.8,
3737291.9, 3.6,	3.6,	0.0);		
(399982.8, 3737291.9,	3.4,	3.4,	0.0);	(400002.8,
3737291.9, 3.2,	3.2,	0.0);		
(400022.8, 3737291.9,	3.2,	3.2,	0.0);	(400042.8,
3737291.9, 3.3,	3.3,	0.0);		
(400062.8, 3737291.9,	3.4,	3.4,	0.0);	(400082.8,
3737291.9, 3.4,	3.4,	0.0);		
(400102.8, 3737291.9,	3.4,	3.4,	0.0);	(400122.8,
3737291.9, 3.4,	3.4,	0.0);		
(400142.8, 3737291.9,	3.2,	3.2,	0.0);	(400162.8,
3737291.9, 3.1,	3.1,	0.0);		
(400182.8, 3737291.9,	3.7,	3.7,	0.0);	(398682.8,
3737311.9, 2.7,	2.7,	0.0);		
(398702.8, 3737311.9,	2.6,	2.6,	0.0);	(398722.8,
3737311.9, 2.8,	2.8,	0.0);		
(398742.8, 3737311.9,	3.1,	3.1,	0.0);	(398762.8,
3737311.9, 2.9,	2.9,	0.0);		
(398782.8, 3737311.9,	2.7,	2.7,	0.0);	(398802.8,
3737311.9, 2.8,	2.8,	0.0);		
(398822.8, 3737311.9,	2.8,	2.8,	0.0);	(398842.8,

3737311.9, 2.7, 2.7, 0.0);
 (398862.8, 3737311.9, 2.5, 2.5, 0.0); (398882.8,
 3737311.9, 2.5, 2.5, 0.0);
 (398902.8, 3737311.9, 2.4, 2.4, 0.0); (398922.8,
 3737311.9, 2.4, 2.4, 0.0);
 (398942.8, 3737311.9, 2.6, 2.6, 0.0); (398962.8,
 3737311.9, 2.9, 2.9, 0.0);
 (398982.8, 3737311.9, 3.0, 3.0, 0.0); (399002.8,
 3737311.9, 3.0, 3.0, 0.0);
 (399022.8, 3737311.9, 3.0, 3.0, 0.0); (399042.8,
 3737311.9, 2.8, 2.8, 0.0);
 (399062.8, 3737311.9, 2.6, 2.6, 0.0); (399082.8,
 3737311.9, 2.8, 2.8, 0.0);
 (399102.8, 3737311.9, 2.9, 2.9, 0.0); (399122.8,
 3737311.9, 2.9, 2.9, 0.0);
 (399142.8, 3737311.9, 2.9, 2.9, 0.0); (399162.8,
 3737311.9, 2.8, 2.8, 0.0);
 (399182.8, 3737311.9, 2.9, 2.9, 0.0); (399202.8,
 3737311.9, 3.1, 3.1, 0.0);
 (399222.8, 3737311.9, 3.0, 3.0, 0.0); (399242.8,
 3737311.9, 3.1, 3.1, 0.0);
 (399262.8, 3737311.9, 3.0, 3.0, 0.0); (399282.8,
 3737311.9, 2.7, 2.7, 0.0);
 (399302.8, 3737311.9, 2.9, 2.9, 0.0); (399322.8,
 3737311.9, 3.0, 3.0, 0.0);
 (399342.8, 3737311.9, 3.1, 3.1, 0.0); (399362.8,
 3737311.9, 3.1, 3.1, 0.0);
 (399382.8, 3737311.9, 3.0, 3.0, 0.0); (399402.8,
 3737311.9, 3.2, 3.2, 0.0);
 (399422.8, 3737311.9, 3.2, 3.2, 0.0); (399442.8,
 3737311.9, 3.3, 3.3, 0.0);
 (399462.8, 3737311.9, 3.3, 3.3, 0.0); (399482.8,
 3737311.9, 3.5, 3.5, 0.0);
 (399502.8, 3737311.9, 3.5, 3.5, 0.0); (399522.8,
 3737311.9, 3.4, 3.4, 0.0);
 (399542.8, 3737311.9, 3.5, 3.5, 0.0); (399562.8,
 3737311.9, 3.4, 3.4, 0.0);
 (399582.8, 3737311.9, 3.2, 3.2, 0.0); (399602.8,
 3737311.9, 3.3, 3.3, 0.0);
 (399622.8, 3737311.9, 3.6, 3.6, 0.0); (399642.8,
 3737311.9, 3.5, 3.5, 0.0);
 (399662.8, 3737311.9, 3.4, 3.4, 0.0); (399682.8,
 3737311.9, 3.4, 3.4, 0.0);
 (399702.8, 3737311.9, 3.4, 3.4, 0.0); (399722.8,
 3737311.9, 3.2, 3.2, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399742.8, 3737311.9,	3.3,	3.3,	0.0);	(399762.8,
3737311.9, 3.5,	3.5,	0.0);		
(399782.8, 3737311.9,	3.6,	3.6,	0.0);	(399802.8,
3737311.9, 3.5,	3.5,	0.0);		
(399822.8, 3737311.9,	3.6,	3.6,	0.0);	(399842.8,
3737311.9, 3.5,	3.5,	0.0);		
(399862.8, 3737311.9,	3.4,	3.4,	0.0);	(399882.8,
3737311.9, 3.2,	3.2,	0.0);		
(399902.8, 3737311.9,	3.4,	3.4,	0.0);	(399922.8,
3737311.9, 3.5,	3.5,	0.0);		
(399942.8, 3737311.9,	3.7,	3.7,	0.0);	(399962.8,
3737311.9, 3.7,	3.7,	0.0);		
(399982.8, 3737311.9,	3.7,	3.7,	0.0);	(400002.8,
3737311.9, 3.5,	3.5,	0.0);		
(400022.8, 3737311.9,	3.5,	3.5,	0.0);	(400042.8,
3737311.9, 3.5,	3.5,	0.0);		
(400062.8, 3737311.9,	3.3,	3.3,	0.0);	(400082.8,
3737311.9, 3.2,	3.2,	0.0);		
(400102.8, 3737311.9,	3.2,	3.2,	0.0);	(400122.8,
3737311.9, 3.2,	3.2,	0.0);		
(400142.8, 3737311.9,	3.1,	3.1,	0.0);	(400162.8,
3737311.9, 3.1,	3.1,	0.0);		
(400182.8, 3737311.9,	3.6,	3.6,	0.0);	(398682.8,
3737331.9, 2.8,	2.8,	0.0);		
(398702.8, 3737331.9,	2.8,	2.8,	0.0);	(398722.8,
3737331.9, 3.1,	3.1,	0.0);		
(398742.8, 3737331.9,	3.1,	3.1,	0.0);	(398762.8,
3737331.9, 3.0,	3.0,	0.0);		
(398782.8, 3737331.9,	2.9,	2.9,	0.0);	(398802.8,
3737331.9, 2.8,	2.8,	0.0);		
(398822.8, 3737331.9,	2.9,	2.9,	0.0);	(398842.8,
3737331.9, 2.9,	2.9,	0.0);		
(398862.8, 3737331.9,	2.7,	2.7,	0.0);	(398882.8,
3737331.9, 2.5,	2.5,	0.0);		
(398902.8, 3737331.9,	2.5,	2.5,	0.0);	(398922.8,
3737331.9, 2.5,	2.5,	0.0);		
(398942.8, 3737331.9,	2.5,	2.5,	0.0);	(398962.8,
3737331.9, 2.6,	2.6,	0.0);		
(398982.8, 3737331.9,	2.9,	2.9,	0.0);	(399002.8,
3737331.9, 2.9,	2.9,	0.0);		
(399022.8, 3737331.9,	3.0,	3.0,	0.0);	(399042.8,
3737331.9, 2.8,	2.8,	0.0);		
(399062.8, 3737331.9,	2.7,	2.7,	0.0);	(399082.8,

3737331.9, 2.9, 2.9, 0.0);
 (399102.8, 3737331.9, 3.0, 3.0, 0.0); (399122.8,
 3737331.9, 3.0, 3.0, 0.0);
 (399142.8, 3737331.9, 2.9, 2.9, 0.0); (399162.8,
 3737331.9, 2.6, 2.6, 0.0);
 (399182.8, 3737331.9, 2.7, 2.7, 0.0); (399202.8,
 3737331.9, 2.8, 2.8, 0.0);
 (399222.8, 3737331.9, 3.0, 3.0, 0.0); (399242.8,
 3737331.9, 3.0, 3.0, 0.0);
 (399262.8, 3737331.9, 2.8, 2.8, 0.0); (399282.8,
 3737331.9, 2.7, 2.7, 0.0);
 (399302.8, 3737331.9, 3.0, 3.0, 0.0); (399322.8,
 3737331.9, 3.2, 3.2, 0.0);
 (399342.8, 3737331.9, 3.1, 3.1, 0.0); (399362.8,
 3737331.9, 3.0, 3.0, 0.0);
 (399382.8, 3737331.9, 2.8, 2.8, 0.0); (399402.8,
 3737331.9, 2.9, 2.9, 0.0);
 (399422.8, 3737331.9, 3.1, 3.1, 0.0); (399442.8,
 3737331.9, 3.2, 3.2, 0.0);
 (399462.8, 3737331.9, 3.3, 3.3, 0.0); (399482.8,
 3737331.9, 3.5, 3.5, 0.0);
 (399502.8, 3737331.9, 3.4, 3.4, 0.0); (399522.8,
 3737331.9, 3.4, 3.4, 0.0);
 (399542.8, 3737331.9, 3.4, 3.4, 0.0); (399562.8,
 3737331.9, 3.5, 3.5, 0.0);
 (399582.8, 3737331.9, 3.5, 3.5, 0.0); (399602.8,
 3737331.9, 3.7, 3.7, 0.0);
 (399622.8, 3737331.9, 3.4, 3.4, 0.0); (399642.8,
 3737331.9, 3.5, 3.5, 0.0);
 (399662.8, 3737331.9, 3.6, 3.6, 0.0); (399682.8,
 3737331.9, 3.6, 3.6, 0.0);
 (399702.8, 3737331.9, 3.5, 3.5, 0.0); (399722.8,
 3737331.9, 3.5, 3.5, 0.0);
 (399742.8, 3737331.9, 3.3, 3.3, 0.0); (399762.8,
 3737331.9, 3.2, 3.2, 0.0);
 (399782.8, 3737331.9, 3.4, 3.4, 0.0); (399802.8,
 3737331.9, 3.5, 3.5, 0.0);
 (399822.8, 3737331.9, 3.5, 3.5, 0.0); (399842.8,
 3737331.9, 3.6, 3.6, 0.0);
 (399862.8, 3737331.9, 3.3, 3.3, 0.0); (399882.8,
 3737331.9, 3.4, 3.4, 0.0);
 (399902.8, 3737331.9, 3.7, 3.7, 0.0); (399922.8,
 3737331.9, 3.7, 3.7, 0.0);
 (399942.8, 3737331.9, 3.8, 3.8, 0.0); (399962.8,
 3737331.9, 3.9, 3.9, 0.0);
 (399982.8, 3737331.9, 3.8, 3.8, 0.0); (400002.8,
 3737331.9, 3.6, 3.6, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***

*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(400022.8, 3737331.9,	3.7,	3.7,	0.0);	(400042.8,
3737331.9,	3.6,	3.6,	0.0);	
(400062.8, 3737331.9,	3.6,	3.6,	0.0);	(400082.8,
3737331.9,	3.4,	3.4,	0.0);	
(400102.8, 3737331.9,	3.3,	3.3,	0.0);	(400122.8,
3737331.9,	3.3,	3.3,	0.0);	
(400142.8, 3737331.9,	3.2,	3.2,	0.0);	(400162.8,
3737331.9,	3.2,	3.2,	0.0);	
(400182.8, 3737331.9,	3.5,	3.5,	0.0);	(398682.8,
3737351.9,	2.9,	2.9,	0.0);	
(398702.8, 3737351.9,	2.9,	2.9,	0.0);	(398722.8,
3737351.9,	3.1,	3.1,	0.0);	
(398742.8, 3737351.9,	3.1,	3.1,	0.0);	(398762.8,
3737351.9,	3.1,	3.1,	0.0);	
(398782.8, 3737351.9,	3.1,	3.1,	0.0);	(398802.8,
3737351.9,	3.1,	3.1,	0.0);	
(398822.8, 3737351.9,	2.8,	2.8,	0.0);	(398842.8,
3737351.9,	2.8,	2.8,	0.0);	
(398862.8, 3737351.9,	2.8,	2.8,	0.0);	(398882.8,
3737351.9,	2.8,	2.8,	0.0);	
(398902.8, 3737351.9,	2.6,	2.6,	0.0);	(398922.8,
3737351.9,	2.5,	2.5,	0.0);	
(398942.8, 3737351.9,	2.5,	2.5,	0.0);	(398962.8,
3737351.9,	2.8,	2.8,	0.0);	
(398982.8, 3737351.9,	3.0,	3.0,	0.0);	(399002.8,
3737351.9,	3.0,	3.0,	0.0);	
(399022.8, 3737351.9,	2.8,	2.8,	0.0);	(399042.8,
3737351.9,	2.9,	2.9,	0.0);	
(399062.8, 3737351.9,	3.1,	3.1,	0.0);	(399082.8,
3737351.9,	3.0,	3.0,	0.0);	
(399102.8, 3737351.9,	3.0,	3.0,	0.0);	(399122.8,
3737351.9,	2.9,	2.9,	0.0);	
(399142.8, 3737351.9,	2.7,	2.7,	0.0);	(399162.8,
3737351.9,	2.7,	2.7,	0.0);	
(399182.8, 3737351.9,	2.7,	2.7,	0.0);	(399202.8,
3737351.9,	2.7,	2.7,	0.0);	
(399222.8, 3737351.9,	3.0,	3.0,	0.0);	(399242.8,
3737351.9,	2.9,	2.9,	0.0);	
(399262.8, 3737351.9,	2.8,	2.8,	0.0);	(399282.8,
3737351.9,	2.9,	2.9,	0.0);	
(399302.8, 3737351.9,	2.8,	2.8,	0.0);	(399322.8,

3737351.9, 2.9, 2.9, 0.0);
 (399342.8, 3737351.9, 3.0, 3.0, 0.0); (399362.8,
 3737351.9, 2.8, 2.8, 0.0);
 (399382.8, 3737351.9, 2.8, 2.8, 0.0); (399402.8,
 3737351.9, 2.8, 2.8, 0.0);
 (399422.8, 3737351.9, 2.8, 2.8, 0.0); (399442.8,
 3737351.9, 2.9, 2.9, 0.0);
 (399462.8, 3737351.9, 3.5, 3.5, 0.0); (399482.8,
 3737351.9, 3.4, 3.4, 0.0);
 (399502.8, 3737351.9, 3.5, 3.5, 0.0); (399522.8,
 3737351.9, 3.5, 3.5, 0.0);
 (399542.8, 3737351.9, 3.4, 3.4, 0.0); (399562.8,
 3737351.9, 3.3, 3.3, 0.0);
 (399582.8, 3737351.9, 3.3, 3.3, 0.0); (399602.8,
 3737351.9, 3.4, 3.4, 0.0);
 (399622.8, 3737351.9, 3.5, 3.5, 0.0); (399642.8,
 3737351.9, 3.4, 3.4, 0.0);
 (399662.8, 3737351.9, 3.5, 3.5, 0.0); (399682.8,
 3737351.9, 3.6, 3.6, 0.0);
 (399702.8, 3737351.9, 3.6, 3.6, 0.0); (399722.8,
 3737351.9, 3.5, 3.5, 0.0);
 (399742.8, 3737351.9, 3.3, 3.3, 0.0); (399762.8,
 3737351.9, 3.2, 3.2, 0.0);
 (399782.8, 3737351.9, 3.2, 3.2, 0.0); (399802.8,
 3737351.9, 3.4, 3.4, 0.0);
 (399822.8, 3737351.9, 3.5, 3.5, 0.0); (399842.8,
 3737351.9, 3.5, 3.5, 0.0);
 (399862.8, 3737351.9, 3.3, 3.3, 0.0); (399882.8,
 3737351.9, 3.8, 3.8, 0.0);
 (399902.8, 3737351.9, 4.0, 4.0, 0.0); (399922.8,
 3737351.9, 3.8, 3.8, 0.0);
 (399942.8, 3737351.9, 3.8, 3.8, 0.0); (399962.8,
 3737351.9, 3.8, 3.8, 0.0);
 (399982.8, 3737351.9, 3.8, 3.8, 0.0); (400002.8,
 3737351.9, 3.7, 3.7, 0.0);
 (400022.8, 3737351.9, 3.8, 3.8, 0.0); (400042.8,
 3737351.9, 3.8, 3.8, 0.0);
 (400062.8, 3737351.9, 3.6, 3.6, 0.0); (400082.8,
 3737351.9, 3.7, 3.7, 0.0);
 (400102.8, 3737351.9, 3.7, 3.7, 0.0); (400122.8,
 3737351.9, 3.6, 3.6, 0.0);
 (400142.8, 3737351.9, 3.7, 3.7, 0.0); (400162.8,
 3737351.9, 3.7, 3.7, 0.0);
 (400182.8, 3737351.9, 3.7, 3.7, 0.0); (398682.8,
 3737371.9, 2.9, 2.9, 0.0);
 (398702.8, 3737371.9, 3.0, 3.0, 0.0); (398722.8,
 3737371.9, 3.0, 3.0, 0.0);
 (398742.8, 3737371.9, 3.1, 3.1, 0.0); (398762.8,
 3737371.9, 3.2, 3.2, 0.0);

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(398782.8, 3737371.9,	3.1,	3.1,	0.0);	(398802.8,
3737371.9,	3.1,	3.1,	0.0);	
(398822.8, 3737371.9,	3.1,	3.1,	0.0);	(398842.8,
3737371.9,	3.0,	3.0,	0.0);	
(398862.8, 3737371.9,	2.8,	2.8,	0.0);	(398882.8,
3737371.9,	2.9,	2.9,	0.0);	
(398902.8, 3737371.9,	2.9,	2.9,	0.0);	(398922.8,
3737371.9,	2.7,	2.7,	0.0);	
(398942.8, 3737371.9,	2.7,	2.7,	0.0);	(398962.8,
3737371.9,	3.0,	3.0,	0.0);	
(398982.8, 3737371.9,	3.0,	3.0,	0.0);	(399002.8,
3737371.9,	3.0,	3.0,	0.0);	
(399022.8, 3737371.9,	2.8,	2.8,	0.0);	(399042.8,
3737371.9,	3.1,	3.1,	0.0);	
(399062.8, 3737371.9,	3.1,	3.1,	0.0);	(399082.8,
3737371.9,	3.2,	3.2,	0.0);	
(399102.8, 3737371.9,	3.0,	3.0,	0.0);	(399122.8,
3737371.9,	2.9,	2.9,	0.0);	
(399142.8, 3737371.9,	2.7,	2.7,	0.0);	(399162.8,
3737371.9,	2.7,	2.7,	0.0);	
(399182.8, 3737371.9,	2.8,	2.8,	0.0);	(399202.8,
3737371.9,	2.9,	2.9,	0.0);	
(399222.8, 3737371.9,	3.0,	3.0,	0.0);	(399242.8,
3737371.9,	2.8,	2.8,	0.0);	
(399262.8, 3737371.9,	2.9,	2.9,	0.0);	(399282.8,
3737371.9,	3.0,	3.0,	0.0);	
(399302.8, 3737371.9,	3.0,	3.0,	0.0);	(399322.8,
3737371.9,	2.9,	2.9,	0.0);	
(399342.8, 3737371.9,	2.8,	2.8,	0.0);	(399362.8,
3737371.9,	2.8,	2.8,	0.0);	
(399382.8, 3737371.9,	2.8,	2.8,	0.0);	(399402.8,
3737371.9,	2.8,	2.8,	0.0);	
(399422.8, 3737371.9,	2.8,	2.8,	0.0);	(399442.8,
3737371.9,	3.2,	3.2,	0.0);	
(399462.8, 3737371.9,	3.3,	3.3,	0.0);	(399482.8,
3737371.9,	3.5,	3.5,	0.0);	
(399502.8, 3737371.9,	3.5,	3.5,	0.0);	(399522.8,
3737371.9,	3.5,	3.5,	0.0);	
(399542.8, 3737371.9,	3.5,	3.5,	0.0);	(399562.8,

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 (399582.8, 3737371.9, 3.2, 3.2, 0.0); (399602.8,
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 (399902.8, 3737371.9, 3.9, 3.9, 0.0); (399922.8,
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 (398782.8, 3737391.9, 3.2, 3.2, 0.0); (398802.8,
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 (398822.8, 3737391.9, 3.1, 3.1, 0.0); (398842.8,
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 (398862.8, 3737391.9, 2.7, 2.7, 0.0); (398882.8,
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 (398902.8, 3737391.9, 2.8, 2.8, 0.0); (398922.8,
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 (398942.8, 3737391.9, 2.9, 2.9, 0.0); (398962.8,
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 (398982.8, 3737391.9, 3.0, 3.0, 0.0); (399002.8,
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 (399022.8, 3737391.9, 2.9, 2.9, 0.0); (399042.8,

3737391.9, 3.2, 3.2, 0.0);
 ▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399062.8, 3737391.9,	3.1,	3.1,	0.0);	(399082.8,
3737391.9, 3.2,	3.2,	0.0);		
(399102.8, 3737391.9,	3.1,	3.1,	0.0);	(399122.8,
3737391.9, 2.8,	2.8,	0.0);		
(399142.8, 3737391.9,	2.7,	2.7,	0.0);	(399162.8,
3737391.9, 2.8,	2.8,	0.0);		
(399182.8, 3737391.9,	2.8,	2.8,	0.0);	(399202.8,
3737391.9, 3.0,	3.0,	0.0);		
(399222.8, 3737391.9,	2.9,	2.9,	0.0);	(399242.8,
3737391.9, 2.8,	2.8,	0.0);		
(399262.8, 3737391.9,	3.1,	3.1,	0.0);	(399282.8,
3737391.9, 3.2,	3.2,	0.0);		
(399302.8, 3737391.9,	3.1,	3.1,	0.0);	(399322.8,
3737391.9, 3.0,	3.0,	0.0);		
(399342.8, 3737391.9,	2.8,	2.8,	0.0);	(399362.8,
3737391.9, 2.7,	2.7,	0.0);		
(399382.8, 3737391.9,	2.7,	2.7,	0.0);	(399402.8,
3737391.9, 2.7,	2.7,	0.0);		
(399422.8, 3737391.9,	2.9,	2.9,	0.0);	(399442.8,
3737391.9, 3.3,	3.3,	0.0);		
(399462.8, 3737391.9,	3.3,	3.3,	0.0);	(399482.8,
3737391.9, 3.4,	3.4,	0.0);		
(399502.8, 3737391.9,	3.5,	3.5,	0.0);	(399522.8,
3737391.9, 3.5,	3.5,	0.0);		
(399542.8, 3737391.9,	3.5,	3.5,	0.0);	(399562.8,
3737391.9, 3.4,	3.4,	0.0);		
(399582.8, 3737391.9,	3.5,	3.5,	0.0);	(399602.8,
3737391.9, 3.4,	3.4,	0.0);		
(399622.8, 3737391.9,	3.5,	3.5,	0.0);	(399642.8,
3737391.9, 3.6,	3.6,	0.0);		
(399662.8, 3737391.9,	3.7,	3.7,	0.0);	(399682.8,
3737391.9, 3.7,	3.7,	0.0);		
(399702.8, 3737391.9,	3.7,	3.7,	0.0);	(399722.8,
3737391.9, 3.3,	3.3,	0.0);		
(399742.8, 3737391.9,	3.2,	3.2,	0.0);	(399762.8,
3737391.9, 3.2,	3.2,	0.0);		
(399782.8, 3737391.9,	3.3,	3.3,	0.0);	(399802.8,

3737391.9, 3.6, 3.6, 0.0);
(399822.8, 3737391.9, 3.4, 3.4, 0.0); (399842.8,
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(399862.8, 3737391.9, 3.9, 3.9, 0.0); (399882.8,
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(399902.8, 3737391.9, 4.0, 4.0, 0.0); (399922.8,
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(399942.8, 3737391.9, 3.9, 3.9, 0.0); (399962.8,
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(399982.8, 3737391.9, 3.8, 3.8, 0.0); (400002.8,
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(400022.8, 3737391.9, 3.8, 3.8, 0.0); (400042.8,
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(400062.8, 3737391.9, 3.8, 3.8, 0.0); (400082.8,
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(398742.8, 3737411.9, 3.2, 3.2, 0.0); (398762.8,
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(398782.8, 3737411.9, 3.2, 3.2, 0.0); (398802.8,
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(398862.8, 3737411.9, 2.8, 2.8, 0.0); (398882.8,
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(398902.8, 3737411.9, 2.7, 2.7, 0.0); (398922.8,
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(398942.8, 3737411.9, 2.9, 2.9, 0.0); (398962.8,
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(398982.8, 3737411.9, 2.9, 2.9, 0.0); (399002.8,
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(399022.8, 3737411.9, 2.9, 2.9, 0.0); (399042.8,
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(399062.8, 3737411.9, 3.0, 3.0, 0.0); (399082.8,
3737411.9, 3.2, 3.2, 0.0);
(399102.8, 3737411.9, 2.9, 2.9, 0.0); (399122.8,
3737411.9, 2.8, 2.8, 0.0);
(399142.8, 3737411.9, 2.8, 2.8, 0.0); (399162.8,
3737411.9, 2.8, 2.8, 0.0);
(399182.8, 3737411.9, 3.0, 3.0, 0.0); (399202.8,
3737411.9, 2.9, 2.9, 0.0);
(399222.8, 3737411.9, 2.9, 2.9, 0.0); (399242.8,
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(399262.8, 3737411.9, 3.2, 3.2, 0.0); (399282.8,

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3737411.9,      3.1,      3.1,      0.0);
( 399302.8, 3737411.9,      3.2,      3.2,      0.0);      ( 399322.8,
3737411.9,      2.9,      2.9,      0.0);
^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 399342.8, 3737411.9,      2.8,      2.8,      0.0);      ( 399362.8,
3737411.9,      2.8,      2.8,      0.0);
( 399382.8, 3737411.9,      2.7,      2.7,      0.0);      ( 399402.8,
3737411.9,      2.7,      2.7,      0.0);
( 399422.8, 3737411.9,      3.2,      3.2,      0.0);      ( 399442.8,
3737411.9,      3.3,      3.3,      0.0);
( 399462.8, 3737411.9,      3.3,      3.3,      0.0);      ( 399482.8,
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( 399502.8, 3737411.9,      3.4,      3.4,      0.0);      ( 399522.8,
3737411.9,      3.5,      3.5,      0.0);
( 399542.8, 3737411.9,      3.4,      3.4,      0.0);      ( 399562.8,
3737411.9,      3.5,      3.5,      0.0);
( 399582.8, 3737411.9,      3.6,      3.6,      0.0);      ( 399602.8,
3737411.9,      3.6,      3.6,      0.0);
( 399622.8, 3737411.9,      3.6,      3.6,      0.0);      ( 399642.8,
3737411.9,      3.6,      3.6,      0.0);
( 399662.8, 3737411.9,      3.7,      3.7,      0.0);      ( 399682.8,
3737411.9,      3.7,      3.7,      0.0);
( 399702.8, 3737411.9,      3.7,      3.7,      0.0);      ( 399722.8,
3737411.9,      3.6,      3.6,      0.0);
( 399742.8, 3737411.9,      3.4,      3.4,      0.0);      ( 399762.8,
3737411.9,      3.3,      3.3,      0.0);
( 399782.8, 3737411.9,      3.5,      3.5,      0.0);      ( 399802.8,
3737411.9,      3.5,      3.5,      0.0);
( 399822.8, 3737411.9,      3.4,      3.4,      0.0);      ( 399842.8,
3737411.9,      3.5,      3.5,      0.0);
( 399862.8, 3737411.9,      3.9,      3.9,      0.0);      ( 399882.8,
3737411.9,      3.9,      3.9,      0.0);
( 399902.8, 3737411.9,      3.9,      3.9,      0.0);      ( 399922.8,
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( 399982.8, 3737411.9,      3.6,      3.6,      0.0);      ( 400002.8,
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( 400022.8, 3737411.9,      3.6,      3.6,      0.0);      ( 400042.8,

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(398982.8, 3737431.9, 2.9, 2.9, 0.0); (399002.8,
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(399022.8, 3737431.9, 2.9, 2.9, 0.0); (399042.8,
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(399062.8, 3737431.9, 3.0, 3.0, 0.0); (399082.8,
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(399102.8, 3737431.9, 2.9, 2.9, 0.0); (399122.8,
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(399182.8, 3737431.9, 3.0, 3.0, 0.0); (399202.8,
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(399222.8, 3737431.9, 3.0, 3.0, 0.0); (399242.8,
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(399342.8, 3737431.9, 2.8, 2.8, 0.0); (399362.8,
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(399382.8, 3737431.9, 2.7, 2.7, 0.0); (399402.8,
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(399422.8, 3737431.9, 3.1, 3.1, 0.0); (399442.8,
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3737431.9,      3.5,      3.5,      0.0);
( 399542.8, 3737431.9,      3.4,      3.4,      0.0);      ( 399562.8,
3737431.9,      3.6,      3.6,      0.0);
( 399582.8, 3737431.9,      3.6,      3.6,      0.0);      ( 399602.8,
3737431.9,      3.6,      3.6,      0.0);
^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 399622.8, 3737431.9,      3.5,      3.5,      0.0);      ( 399642.8,
3737431.9,      3.7,      3.7,      0.0);
( 399662.8, 3737431.9,      3.7,      3.7,      0.0);      ( 399682.8,
3737431.9,      3.8,      3.8,      0.0);
( 399702.8, 3737431.9,      3.8,      3.8,      0.0);      ( 399722.8,
3737431.9,      3.8,      3.8,      0.0);
( 399742.8, 3737431.9,      3.6,      3.6,      0.0);      ( 399762.8,
3737431.9,      3.6,      3.6,      0.0);
( 399782.8, 3737431.9,      3.6,      3.6,      0.0);      ( 399802.8,
3737431.9,      3.4,      3.4,      0.0);
( 399822.8, 3737431.9,      3.6,      3.6,      0.0);      ( 399842.8,
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( 399862.8, 3737431.9,      3.5,      3.5,      0.0);      ( 399882.8,
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( 399902.8, 3737431.9,      3.9,      3.9,      0.0);      ( 399922.8,
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( 399982.8, 3737431.9,      3.5,      3.5,      0.0);      ( 400002.8,
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( 400062.8, 3737431.9,      3.9,      3.9,      0.0);      ( 400082.8,
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( 400102.8, 3737431.9,      3.9,      3.9,      0.0);      ( 400122.8,
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( 400142.8, 3737431.9,      3.8,      3.8,      0.0);      ( 400162.8,
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( 400182.8, 3737431.9,      4.1,      4.1,      0.0);      ( 398682.8,
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( 398702.8, 3737451.9,      2.6,      2.6,      0.0);      ( 398722.8,
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( 398742.8, 3737451.9,      3.0,      3.0,      0.0);      ( 398762.8,

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(399102.8, 3737451.9, 3.0, 3.0, 0.0); (399122.8,
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(399142.8, 3737451.9, 3.0, 3.0, 0.0); (399162.8,
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(399662.8, 3737451.9, 3.7, 3.7, 0.0); (399682.8,
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(399702.8, 3737451.9, 3.7, 3.7, 0.0); (399722.8,
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(399742.8, 3737451.9, 3.8, 3.8, 0.0); (399762.8,

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 (399782.8, 3737451.9, 3.5, 3.5, 0.0); (399802.8,
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 (399822.8, 3737451.9, 3.7, 3.7, 0.0); (399842.8,
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 (399862.8, 3737451.9, 3.8, 3.8, 0.0); (399882.8,
 3737451.9, 3.5, 3.5, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (399942.8, 3737451.9, 3.8, 3.8, 0.0); (399962.8,
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 (399982.8, 3737451.9, 3.5, 3.5, 0.0); (400002.8,
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 (400022.8, 3737451.9, 4.0, 4.0, 0.0); (400042.8,
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 (400062.8, 3737451.9, 3.8, 3.8, 0.0); (400082.8,
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 (400102.8, 3737451.9, 3.9, 3.9, 0.0); (400122.8,
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 (400142.8, 3737451.9, 4.0, 4.0, 0.0); (400162.8,
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 (400182.8, 3737451.9, 4.3, 4.3, 0.0); (398682.8,
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 (398702.8, 3737471.9, 2.5, 2.5, 0.0); (398722.8,
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 (398742.8, 3737471.9, 3.0, 3.0, 0.0); (398762.8,
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 (398782.8, 3737471.9, 3.2, 3.2, 0.0); (398802.8,
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 (398822.8, 3737471.9, 3.3, 3.3, 0.0); (398842.8,
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 (398862.8, 3737471.9, 3.2, 3.2, 0.0); (398882.8,
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 (398902.8, 3737471.9, 2.9, 2.9, 0.0); (398922.8,
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 (398942.8, 3737471.9, 2.9, 2.9, 0.0); (398962.8,
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 (398982.8, 3737471.9, 2.8, 2.8, 0.0); (399002.8,

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(399022.8, 3737471.9, 2.7, 2.7, 0.0); (399042.8,
3737471.9, 2.9, 2.9, 0.0);
(399062.8, 3737471.9, 2.9, 2.9, 0.0); (399082.8,
3737471.9, 2.9, 2.9, 0.0);
(399102.8, 3737471.9, 2.9, 2.9, 0.0); (399122.8,
3737471.9, 2.9, 2.9, 0.0);
(399142.8, 3737471.9, 2.9, 2.9, 0.0); (399162.8,
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(399182.8, 3737471.9, 2.9, 2.9, 0.0); (399202.8,
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(399222.8, 3737471.9, 3.1, 3.1, 0.0); (399242.8,
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(399262.8, 3737471.9, 3.2, 3.2, 0.0); (399282.8,
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(399302.8, 3737471.9, 3.1, 3.1, 0.0); (399322.8,
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(399382.8, 3737471.9, 3.1, 3.1, 0.0); (399402.8,
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(399702.8, 3737471.9, 3.8, 3.8, 0.0); (399722.8,
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(399822.8, 3737471.9, 3.7, 3.7, 0.0); (399842.8,
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(399862.8, 3737471.9, 3.8, 3.8, 0.0); (399882.8,
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(399902.8, 3737471.9, 3.7, 3.7, 0.0); (399922.8,
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(399942.8, 3737471.9, 3.6, 3.6, 0.0); (399962.8,
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(399982.8, 3737471.9, 3.6, 3.6, 0.0); (400002.8,

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(400022.8, 3737471.9, 3.8, 3.8, 0.0); (400042.8,
3737471.9, 3.9, 3.9, 0.0);
(400062.8, 3737471.9, 3.7, 3.7, 0.0); (400082.8,
3737471.9, 3.7, 3.7, 0.0);
(400102.8, 3737471.9, 3.8, 3.8, 0.0); (400122.8,
3737471.9, 3.9, 3.9, 0.0);
(400142.8, 3737471.9, 4.3, 4.3, 0.0); (400162.8,
3737471.9, 4.4, 4.4, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD

E-GEN.isc *** 10/21/20

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(400182.8, 3737471.9, 4.5, 4.5, 0.0); (398682.8,
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(398702.8, 3737491.9, 2.5, 2.5, 0.0); (398722.8,
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(398782.8, 3737491.9, 3.2, 3.2, 0.0); (398802.8,
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(398862.8, 3737491.9, 3.2, 3.2, 0.0); (398882.8,
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(398902.8, 3737491.9, 2.9, 2.9, 0.0); (398922.8,
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(398982.8, 3737491.9, 2.9, 2.9, 0.0); (399002.8,
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(399022.8, 3737491.9, 2.7, 2.7, 0.0); (399042.8,
3737491.9, 2.7, 2.7, 0.0);
(399062.8, 3737491.9, 2.7, 2.7, 0.0); (399082.8,
3737491.9, 2.6, 2.6, 0.0);
(399102.8, 3737491.9, 2.7, 2.7, 0.0); (399122.8,
3737491.9, 2.7, 2.7, 0.0);
(399142.8, 3737491.9, 2.8, 2.8, 0.0); (399162.8,
3737491.9, 2.8, 2.8, 0.0);
(399182.8, 3737491.9, 2.9, 2.9, 0.0); (399202.8,
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(399222.8, 3737491.9, 3.0, 3.0, 0.0); (399242.8,

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(399262.8, 3737491.9, 3.1, 3.1, 0.0); (399282.8,
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(399302.8, 3737491.9, 3.1, 3.1, 0.0); (399322.8,
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(399422.8, 3737491.9, 3.2, 3.2, 0.0); (399442.8,
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(399462.8, 3737491.9, 3.2, 3.2, 0.0); (399482.8,
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(399582.8, 3737491.9, 3.0, 3.0, 0.0); (399602.8,
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(399622.8, 3737491.9, 3.1, 3.1, 0.0); (399642.8,
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(399662.8, 3737491.9, 3.5, 3.5, 0.0); (399682.8,
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(399862.8, 3737491.9, 3.9, 3.9, 0.0); (399882.8,
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(399902.8, 3737491.9, 3.9, 3.9, 0.0); (399922.8,
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(400062.8, 3737491.9, 3.5, 3.5, 0.0); (400082.8,
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(400102.8, 3737491.9, 3.6, 3.6, 0.0); (400122.8,
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(400142.8, 3737491.9, 4.5, 4.5, 0.0); (400162.8,
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(400182.8, 3737491.9, 4.5, 4.5, 0.0); (398682.8,
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(398702.8, 3737511.9, 2.5, 2.5, 0.0); (398722.8,

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( 398782.8, 3737511.9,      3.2,      3.2,      0.0); ( 398802.8,
3737511.9,      3.2,      3.2,      0.0);
( 398822.8, 3737511.9,      3.3,      3.3,      0.0); ( 398842.8,
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( 398862.8, 3737511.9,      3.1,      3.1,      0.0); ( 398882.8,
3737511.9,      2.9,      2.9,      0.0);
( 398902.8, 3737511.9,      3.0,      3.0,      0.0); ( 398922.8,
3737511.9,      2.9,      2.9,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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3737511.9,      2.9,      2.9,      0.0);
( 399022.8, 3737511.9,      2.8,      2.8,      0.0); ( 399042.8,
3737511.9,      3.0,      3.0,      0.0);
( 399062.8, 3737511.9,      3.0,      3.0,      0.0); ( 399082.8,
3737511.9,      2.7,      2.7,      0.0);
( 399102.8, 3737511.9,      2.7,      2.7,      0.0); ( 399122.8,
3737511.9,      2.9,      2.9,      0.0);
( 399142.8, 3737511.9,      3.0,      3.0,      0.0); ( 399162.8,
3737511.9,      2.9,      2.9,      0.0);
( 399182.8, 3737511.9,      3.0,      3.0,      0.0); ( 399202.8,
3737511.9,      3.1,      3.1,      0.0);
( 399222.8, 3737511.9,      3.1,      3.1,      0.0); ( 399242.8,
3737511.9,      3.2,      3.2,      0.0);
( 399262.8, 3737511.9,      3.2,      3.2,      0.0); ( 399282.8,
3737511.9,      3.1,      3.1,      0.0);
( 399302.8, 3737511.9,      3.0,      3.0,      0.0); ( 399322.8,
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( 399342.8, 3737511.9,      3.0,      3.0,      0.0); ( 399362.8,
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( 399382.8, 3737511.9,      3.0,      3.0,      0.0); ( 399402.8,
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( 399422.8, 3737511.9,      2.9,      2.9,      0.0); ( 399442.8,
3737511.9,      2.9,      2.9,      0.0);
( 399462.8, 3737511.9,      2.9,      2.9,      0.0); ( 399482.8,

```

3737511.9, 3.0, 3.0, 0.0);
(399502.8, 3737511.9, 3.0, 3.0, 0.0); (399522.8,
3737511.9, 3.2, 3.2, 0.0);
(399542.8, 3737511.9, 3.2, 3.2, 0.0); (399562.8,
3737511.9, 3.0, 3.0, 0.0);
(399582.8, 3737511.9, 3.0, 3.0, 0.0); (399602.8,
3737511.9, 3.0, 3.0, 0.0);
(399622.8, 3737511.9, 3.1, 3.1, 0.0); (399642.8,
3737511.9, 3.2, 3.2, 0.0);
(399662.8, 3737511.9, 3.5, 3.5, 0.0); (399682.8,
3737511.9, 3.6, 3.6, 0.0);
(399702.8, 3737511.9, 3.7, 3.7, 0.0); (399722.8,
3737511.9, 3.7, 3.7, 0.0);
(399742.8, 3737511.9, 3.5, 3.5, 0.0); (399762.8,
3737511.9, 3.3, 3.3, 0.0);
(399782.8, 3737511.9, 3.3, 3.3, 0.0); (399802.8,
3737511.9, 3.4, 3.4, 0.0);
(399822.8, 3737511.9, 3.4, 3.4, 0.0); (399842.8,
3737511.9, 3.5, 3.5, 0.0);
(399862.8, 3737511.9, 3.8, 3.8, 0.0); (399882.8,
3737511.9, 3.8, 3.8, 0.0);
(399902.8, 3737511.9, 3.8, 3.8, 0.0); (399922.8,
3737511.9, 3.6, 3.6, 0.0);
(399942.8, 3737511.9, 3.4, 3.4, 0.0); (399962.8,
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(400022.8, 3737511.9, 3.8, 3.8, 0.0); (400042.8,
3737511.9, 3.5, 3.5, 0.0);
(400062.8, 3737511.9, 3.5, 3.5, 0.0); (400082.8,
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(400102.8, 3737511.9, 3.5, 3.5, 0.0); (400122.8,
3737511.9, 3.7, 3.7, 0.0);
(400142.8, 3737511.9, 4.5, 4.5, 0.0); (400162.8,
3737511.9, 4.5, 4.5, 0.0);
(400182.8, 3737511.9, 4.5, 4.5, 0.0); (398682.8,
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(398702.8, 3737531.9, 2.6, 2.6, 0.0); (398722.8,
3737531.9, 2.6, 2.6, 0.0);
(398742.8, 3737531.9, 3.1, 3.1, 0.0); (398762.8,
3737531.9, 3.1, 3.1, 0.0);
(398782.8, 3737531.9, 3.1, 3.1, 0.0); (398802.8,
3737531.9, 3.0, 3.0, 0.0);
(398822.8, 3737531.9, 3.1, 3.1, 0.0); (398842.8,
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(398862.8, 3737531.9, 3.0, 3.0, 0.0); (398882.8,
3737531.9, 2.9, 2.9, 0.0);
(398902.8, 3737531.9, 3.0, 3.0, 0.0); (398922.8,
3737531.9, 2.8, 2.8, 0.0);
(398942.8, 3737531.9, 2.7, 2.7, 0.0); (398962.8,

3737531.9, 2.7, 2.7, 0.0);
 (398982.8, 3737531.9, 2.9, 2.9, 0.0); (399002.8,
 3737531.9, 3.0, 3.0, 0.0);
 (399022.8, 3737531.9, 2.9, 2.9, 0.0); (399042.8,
 3737531.9, 3.0, 3.0, 0.0);
 (399062.8, 3737531.9, 3.0, 3.0, 0.0); (399082.8,
 3737531.9, 2.9, 2.9, 0.0);
 (399102.8, 3737531.9, 2.8, 2.8, 0.0); (399122.8,
 3737531.9, 2.9, 2.9, 0.0);
 (399142.8, 3737531.9, 3.0, 3.0, 0.0); (399162.8,
 3737531.9, 3.0, 3.0, 0.0);
 (399182.8, 3737531.9, 3.1, 3.1, 0.0); (399202.8,
 3737531.9, 3.2, 3.2, 0.0);

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399222.8, 3737531.9, 3.3, 3.3, 0.0); (399242.8,
 3737531.9, 3.3, 3.3, 0.0);
 (399262.8, 3737531.9, 3.6, 3.6, 0.0); (399282.8,
 3737531.9, 3.6, 3.6, 0.0);
 (399302.8, 3737531.9, 3.5, 3.5, 0.0); (399322.8,
 3737531.9, 3.3, 3.3, 0.0);
 (399342.8, 3737531.9, 3.5, 3.5, 0.0); (399362.8,
 3737531.9, 3.7, 3.7, 0.0);
 (399382.8, 3737531.9, 3.8, 3.8, 0.0); (399402.8,
 3737531.9, 3.6, 3.6, 0.0);
 (399422.8, 3737531.9, 2.9, 2.9, 0.0); (399442.8,
 3737531.9, 2.8, 2.8, 0.0);
 (399462.8, 3737531.9, 3.1, 3.1, 0.0); (399482.8,
 3737531.9, 3.3, 3.3, 0.0);
 (399502.8, 3737531.9, 3.1, 3.1, 0.0); (399522.8,
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 (399542.8, 3737531.9, 3.1, 3.1, 0.0); (399562.8,
 3737531.9, 3.0, 3.0, 0.0);
 (399582.8, 3737531.9, 3.1, 3.1, 0.0); (399602.8,
 3737531.9, 3.1, 3.1, 0.0);
 (399622.8, 3737531.9, 3.1, 3.1, 0.0); (399642.8,
 3737531.9, 3.2, 3.2, 0.0);
 (399662.8, 3737531.9, 3.5, 3.5, 0.0); (399682.8,
 3737531.9, 3.5, 3.5, 0.0);
 (399702.8, 3737531.9, 3.6, 3.6, 0.0); (399722.8,

3737531.9, 3.5, 3.5, 0.0);
(399742.8, 3737531.9, 3.3, 3.3, 0.0); (399762.8,
3737531.9, 3.6, 3.6, 0.0);
(399782.8, 3737531.9, 3.6, 3.6, 0.0); (399802.8,
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(399822.8, 3737531.9, 3.5, 3.5, 0.0); (399842.8,
3737531.9, 3.8, 3.8, 0.0);
(399862.8, 3737531.9, 3.8, 3.8, 0.0); (399882.8,
3737531.9, 3.8, 3.8, 0.0);
(399902.8, 3737531.9, 3.8, 3.8, 0.0); (399922.8,
3737531.9, 3.5, 3.5, 0.0);
(399942.8, 3737531.9, 3.4, 3.4, 0.0); (399962.8,
3737531.9, 3.4, 3.4, 0.0);
(399982.8, 3737531.9, 3.6, 3.6, 0.0); (400002.8,
3737531.9, 3.5, 3.5, 0.0);
(400022.8, 3737531.9, 3.4, 3.4, 0.0); (400042.8,
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(400062.8, 3737531.9, 3.4, 3.4, 0.0); (400082.8,
3737531.9, 3.5, 3.5, 0.0);
(400102.8, 3737531.9, 3.6, 3.6, 0.0); (400122.8,
3737531.9, 3.8, 3.8, 0.0);
(400142.8, 3737531.9, 4.4, 4.4, 0.0); (400162.8,
3737531.9, 4.5, 4.5, 0.0);
(400182.8, 3737531.9, 4.5, 4.5, 0.0); (398682.8,
3737551.9, 2.7, 2.7, 0.0);
(398702.8, 3737551.9, 2.6, 2.6, 0.0); (398722.8,
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(398742.8, 3737551.9, 3.1, 3.1, 0.0); (398762.8,
3737551.9, 3.1, 3.1, 0.0);
(398782.8, 3737551.9, 3.1, 3.1, 0.0); (398802.8,
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(398862.8, 3737551.9, 3.0, 3.0, 0.0); (398882.8,
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(398902.8, 3737551.9, 2.8, 2.8, 0.0); (398922.8,
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(398942.8, 3737551.9, 2.7, 2.7, 0.0); (398962.8,
3737551.9, 2.6, 2.6, 0.0);
(398982.8, 3737551.9, 3.0, 3.0, 0.0); (399002.8,
3737551.9, 3.0, 3.0, 0.0);
(399022.8, 3737551.9, 2.8, 2.8, 0.0); (399042.8,
3737551.9, 2.9, 2.9, 0.0);
(399062.8, 3737551.9, 3.0, 3.0, 0.0); (399082.8,
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(399102.8, 3737551.9, 2.9, 2.9, 0.0); (399122.8,
3737551.9, 3.0, 3.0, 0.0);
(399142.8, 3737551.9, 3.1, 3.1, 0.0); (399162.8,
3737551.9, 3.0, 3.0, 0.0);
(399182.8, 3737551.9, 3.3, 3.3, 0.0); (399202.8,

3737551.9, 3.6, 3.6, 0.0);
 (399222.8, 3737551.9, 3.4, 3.4, 0.0); (399242.8,
 3737551.9, 3.4, 3.4, 0.0);
 (399262.8, 3737551.9, 3.5, 3.5, 0.0); (399282.8,
 3737551.9, 3.6, 3.6, 0.0);
 (399302.8, 3737551.9, 3.7, 3.7, 0.0); (399322.8,
 3737551.9, 3.6, 3.6, 0.0);
 (399342.8, 3737551.9, 3.6, 3.6, 0.0); (399362.8,
 3737551.9, 3.8, 3.8, 0.0);
 (399382.8, 3737551.9, 3.9, 3.9, 0.0); (399402.8,
 3737551.9, 3.7, 3.7, 0.0);
 (399422.8, 3737551.9, 3.0, 3.0, 0.0); (399442.8,
 3737551.9, 2.9, 2.9, 0.0);
 (399462.8, 3737551.9, 3.1, 3.1, 0.0); (399482.8,
 3737551.9, 3.3, 3.3, 0.0);

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(399502.8, 3737551.9, 3.4, 3.4, 0.0); (399522.8,
 3737551.9, 3.2, 3.2, 0.0);
 (399542.8, 3737551.9, 3.0, 3.0, 0.0); (399562.8,
 3737551.9, 3.0, 3.0, 0.0);
 (399582.8, 3737551.9, 3.2, 3.2, 0.0); (399602.8,
 3737551.9, 3.4, 3.4, 0.0);
 (399622.8, 3737551.9, 3.2, 3.2, 0.0); (399642.8,
 3737551.9, 3.3, 3.3, 0.0);
 (399662.8, 3737551.9, 3.5, 3.5, 0.0); (399682.8,
 3737551.9, 3.5, 3.5, 0.0);
 (399702.8, 3737551.9, 3.5, 3.5, 0.0); (399722.8,
 3737551.9, 3.3, 3.3, 0.0);
 (399742.8, 3737551.9, 3.5, 3.5, 0.0); (399762.8,
 3737551.9, 3.6, 3.6, 0.0);
 (399782.8, 3737551.9, 3.6, 3.6, 0.0); (399802.8,
 3737551.9, 3.7, 3.7, 0.0);
 (399822.8, 3737551.9, 3.7, 3.7, 0.0); (399842.8,
 3737551.9, 4.0, 4.0, 0.0);
 (399862.8, 3737551.9, 4.0, 4.0, 0.0); (399882.8,
 3737551.9, 4.0, 4.0, 0.0);
 (399902.8, 3737551.9, 3.6, 3.6, 0.0); (399922.8,
 3737551.9, 3.5, 3.5, 0.0);
 (399942.8, 3737551.9, 3.5, 3.5, 0.0); (399962.8,

3737551.9, 3.5, 3.5, 0.0);
 (399982.8, 3737551.9, 3.9, 3.9, 0.0); (400002.8,
 3737551.9, 3.8, 3.8, 0.0);
 (400022.8, 3737551.9, 3.9, 3.9, 0.0); (400042.8,
 3737551.9, 3.9, 3.9, 0.0);
 (400062.8, 3737551.9, 3.8, 3.8, 0.0); (400082.8,
 3737551.9, 3.8, 3.8, 0.0);
 (400102.8, 3737551.9, 4.0, 4.0, 0.0); (400122.8,
 3737551.9, 4.0, 4.0, 0.0);
 (400142.8, 3737551.9, 4.5, 4.5, 0.0); (400162.8,
 3737551.9, 4.5, 4.5, 0.0);
 (400182.8, 3737551.9, 4.5, 4.5, 0.0); (398315.8,
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 (398509.1, 3734124.1, 3.7, 3.7, 0.0); (398702.4,
 3734124.1, 3.7, 3.7, 0.0);
 (398895.6, 3734124.1, 4.0, 4.0, 0.0); (399088.9,
 3734124.1, 4.1, 4.1, 0.0);
 (399282.2, 3734124.1, 3.6, 3.6, 0.0); (399475.4,
 3734124.1, 1.6, 1.6, 0.0);
 (399668.7, 3734124.1, 1.6, 1.6, 0.0); (399862.0,
 3734124.1, 1.6, 1.6, 0.0);
 (400055.2, 3734124.1, 1.6, 1.6, 0.0); (400248.5,
 3734124.1, 1.7, 1.7, 0.0);
 (400441.8, 3734124.1, 1.7, 1.7, 0.0); (400635.1,
 3734124.1, 0.9, 1.7, 0.0);
 (400828.3, 3734124.1, 1.7, 1.7, 0.0); (401021.6,
 3734124.1, 4.1, 11.2, 0.0);
 (401214.9, 3734124.1, 2.5, 2.5, 0.0); (401408.1,
 3734124.1, 3.1, 8.9, 0.0);
 (401601.4, 3734124.1, 2.9, 9.0, 0.0); (401794.7,
 3734124.1, 2.4, 2.4, 0.0);
 (401988.0, 3734124.1, 2.7, 2.7, 0.0); (402181.2,
 3734124.1, 2.6, 2.6, 0.0);
 (398315.8, 3734299.9, 3.8, 3.8, 0.0); (398509.1,
 3734299.9, 5.2, 5.2, 0.0);
 (398702.4, 3734299.9, 5.5, 5.5, 0.0); (398895.6,
 3734299.9, 5.9, 5.9, 0.0);
 (399088.9, 3734299.9, 6.1, 6.1, 0.0); (399282.2,
 3734299.9, 4.6, 4.6, 0.0);
 (399475.4, 3734299.9, 1.6, 1.6, 0.0); (399668.7,
 3734299.9, 1.6, 1.6, 0.0);
 (399862.0, 3734299.9, 1.2, 1.2, 0.0); (400055.2,
 3734299.9, 1.6, 1.6, 0.0);
 (400248.5, 3734299.9, 1.6, 1.6, 0.0); (400441.8,
 3734299.9, 1.7, 1.7, 0.0);
 (400635.1, 3734299.9, 1.7, 1.7, 0.0); (400828.3,
 3734299.9, 1.8, 1.8, 0.0);
 (401021.6, 3734299.9, 2.9, 2.9, 0.0); (401214.9,
 3734299.9, 2.3, 2.3, 0.0);
 (401408.1, 3734299.9, 2.3, 2.3, 0.0); (401601.4,

3734299.9, 2.4, 2.4, 0.0);
 (401794.7, 3734299.9, 2.4, 2.4, 0.0); (401988.0,
 3734299.9, 2.8, 2.8, 0.0);
 (402181.2, 3734299.9, 2.6, 2.6, 0.0); (398315.8,
 3734475.7, 5.2, 5.2, 0.0);
 (398509.1, 3734475.7, 7.2, 7.2, 0.0); (398702.4,
 3734475.7, 9.7, 9.7, 0.0);
 (398895.6, 3734475.7, 10.3, 10.3, 0.0); (399088.9,
 3734475.7, 11.7, 11.7, 0.0);
 (399282.2, 3734475.7, 6.1, 10.7, 0.0); (399475.4,
 3734475.7, 2.3, 2.3, 0.0);
 (399668.7, 3734475.7, 1.1, 1.1, 0.0); (399862.0,
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 (400055.2, 3734475.7, 0.8, 0.8, 0.0); (400248.5,
 3734475.7, 1.1, 1.1, 0.0);
 (400441.8, 3734475.7, 1.1, 1.1, 0.0); (400635.1,
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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(400828.3, 3734475.7, 0.0, 2.9, 0.0); (401021.6,
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 (401214.9, 3734475.7, 1.9, 1.9, 0.0); (401408.1,
 3734475.7, 2.1, 2.1, 0.0);
 (401601.4, 3734475.7, 2.4, 2.4, 0.0); (401794.7,
 3734475.7, 2.5, 2.5, 0.0);
 (401988.0, 3734475.7, 2.4, 2.4, 0.0); (402181.2,
 3734475.7, 2.4, 2.4, 0.0);
 (398315.8, 3734651.5, 10.9, 10.9, 0.0); (398509.1,
 3734651.5, 12.4, 12.4, 0.0);
 (398702.4, 3734651.5, 14.1, 14.1, 0.0); (398895.6,
 3734651.5, 14.9, 14.9, 0.0);
 (399088.9, 3734651.5, 14.6, 14.6, 0.0); (399282.2,
 3734651.5, 6.2, 6.2, 0.0);
 (399475.4, 3734651.5, 2.7, 2.7, 0.0); (399668.7,
 3734651.5, 2.7, 2.7, 0.0);
 (399862.0, 3734651.5, 3.1, 3.1, 0.0); (400055.2,
 3734651.5, 3.2, 3.2, 0.0);
 (400248.5, 3734651.5, 1.2, 3.3, 0.0); (400441.8,
 3734651.5, 0.0, 0.0, 0.0);
 (400635.1, 3734651.5, 0.0, 0.0, 0.0); (400828.3,

3734651.5, 0.0, 0.0, 0.0);
(401021.6, 3734651.5, 1.9, 1.9, 0.0); (401214.9,
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(401408.1, 3734651.5, 2.4, 2.4, 0.0); (401601.4,
3734651.5, 2.6, 2.6, 0.0);
(401794.7, 3734651.5, 3.0, 3.0, 0.0); (401988.0,
3734651.5, 2.9, 2.9, 0.0);
(402181.2, 3734651.5, 3.0, 3.0, 0.0); (398315.8,
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(398509.1, 3734827.4, 17.6, 17.6, 0.0); (398702.4,
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(398895.6, 3734827.4, 14.6, 14.6, 0.0); (399088.9,
3734827.4, 12.8, 12.8, 0.0);
(399282.2, 3734827.4, 10.0, 10.0, 0.0); (399475.4,
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(399668.7, 3734827.4, 1.4, 1.4, 0.0); (399862.0,
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(400055.2, 3734827.4, 2.1, 2.1, 0.0); (400248.5,
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(400441.8, 3734827.4, 0.0, 0.0, 0.0); (400635.1,
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(400828.3, 3734827.4, 1.6, 1.6, 0.0); (401021.6,
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(401214.9, 3734827.4, 2.3, 2.3, 0.0); (401408.1,
3734827.4, 2.5, 2.5, 0.0);
(401601.4, 3734827.4, 2.8, 2.8, 0.0); (401794.7,
3734827.4, 3.1, 3.1, 0.0);
(401988.0, 3734827.4, 3.2, 3.2, 0.0); (402181.2,
3734827.4, 3.3, 3.3, 0.0);
(398315.8, 3735003.2, 3.7, 16.2, 0.0); (398509.1,
3735003.2, 3.9, 19.0, 0.0);
(398702.4, 3735003.2, 2.1, 19.5, 0.0); (398895.6,
3735003.2, 7.5, 7.5, 0.0);
(399088.9, 3735003.2, 12.5, 12.5, 0.0); (399282.2,
3735003.2, 11.1, 11.1, 0.0);
(399475.4, 3735003.2, 7.7, 7.7, 0.0); (399668.7,
3735003.2, 3.2, 3.2, 0.0);
(399862.0, 3735003.2, 1.7, 1.7, 0.0); (400055.2,
3735003.2, 2.9, 2.9, 0.0);
(400248.5, 3735003.2, 3.2, 3.4, 0.0); (400441.8,
3735003.2, 0.0, 2.9, 0.0);
(400635.1, 3735003.2, 0.0, 1.5, 0.0); (400828.3,
3735003.2, 1.4, 1.4, 0.0);
(401021.6, 3735003.2, 2.0, 2.0, 0.0); (401214.9,
3735003.2, 2.3, 2.3, 0.0);
(401408.1, 3735003.2, 2.7, 2.7, 0.0); (401601.4,
3735003.2, 3.0, 3.0, 0.0);
(401794.7, 3735003.2, 3.2, 3.2, 0.0); (401988.0,
3735003.2, 3.4, 3.4, 0.0);
(402181.2, 3735003.2, 3.4, 3.4, 0.0); (398315.8,

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3735179.0,      2.3,      2.3,      0.0);
  ( 398509.1, 3735179.0,      3.6,      3.6,      0.0);      ( 398702.4,
3735179.0,      4.3,      4.3,      0.0);
  ( 398895.6, 3735179.0,      3.2,      3.2,      0.0);      ( 399088.9,
3735179.0,      13.0,     13.0,      0.0);
  ( 399282.2, 3735179.0,     11.1,     11.1,      0.0);      ( 399475.4,
3735179.0,      9.2,      9.2,      0.0);
  ( 399668.7, 3735179.0,      4.6,      4.6,      0.0);      ( 399862.0,
3735179.0,      1.8,      1.8,      0.0);
  ( 400055.2, 3735179.0,      3.0,      3.0,      0.0);      ( 400248.5,
3735179.0,      3.0,      3.0,      0.0);
  ( 400441.8, 3735179.0,      1.5,      1.5,      0.0);      ( 400635.1,
3735179.0,      1.8,      1.8,      0.0);
  ( 400828.3, 3735179.0,      1.9,      1.9,      0.0);      ( 401021.6,
3735179.0,      2.6,      2.6,      0.0);
  ( 401214.9, 3735179.0,      2.5,      2.5,      0.0);      ( 401408.1,
3735179.0,      2.9,      2.9,      0.0);
  ( 401601.4, 3735179.0,      3.1,      3.1,      0.0);      ( 401794.7,
3735179.0,      3.4,      3.4,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 401988.0, 3735179.0,      3.7,      3.7,      0.0);      ( 402181.2,
3735179.0,      3.8,      3.8,      0.0);
  ( 398315.8, 3735354.8,      2.6,      2.6,      0.0);      ( 398509.1,
3735354.8,      1.9,      1.9,      0.0);
  ( 398702.4, 3735354.8,      2.3,      2.3,      0.0);      ( 398895.6,
3735354.8,      0.7,      0.7,      0.0);
  ( 399088.9, 3735354.8,      3.6,     13.3,      0.0);      ( 399282.2,
3735354.8,      9.7,      9.7,      0.0);
  ( 399475.4, 3735354.8,      9.8,      9.8,      0.0);      ( 399668.7,
3735354.8,      6.5,      6.5,      0.0);
  ( 399862.0, 3735354.8,      2.1,      2.1,      0.0);      ( 400055.2,
3735354.8,      3.3,      3.3,      0.0);
  ( 400248.5, 3735354.8,      2.8,      2.8,      0.0);      ( 400441.8,
3735354.8,      2.7,      2.7,      0.0);
  ( 400635.1, 3735354.8,      3.3,      3.3,      0.0);      ( 400828.3,
3735354.8,      1.9,      1.9,      0.0);
  ( 401021.6, 3735354.8,      2.2,      2.2,      0.0);      ( 401214.9,
3735354.8,      2.6,      2.6,      0.0);
  ( 401408.1, 3735354.8,      3.2,      3.2,      0.0);      ( 401601.4,

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3735354.8, 3.3, 3.3, 0.0);
(401794.7, 3735354.8, 3.5, 3.5, 0.0); (401988.0,
3735354.8, 3.7, 3.7, 0.0);
(402181.2, 3735354.8, 4.0, 4.0, 0.0); (398315.8,
3735530.6, 2.4, 2.4, 0.0);
(398509.1, 3735530.6, 2.2, 2.2, 0.0); (398702.4,
3735530.6, -1.7, -1.7, 0.0);
(398895.6, 3735530.6, 1.3, 2.2, 0.0); (399088.9,
3735530.6, 3.1, 3.1, 0.0);
(399282.2, 3735530.6, 3.4, 8.8, 0.0); (399475.4,
3735530.6, 9.9, 9.9, 0.0);
(399668.7, 3735530.6, 4.8, 4.8, 0.0); (399862.0,
3735530.6, 2.8, 2.8, 0.0);
(400055.2, 3735530.6, 2.1, 2.1, 0.0); (400248.5,
3735530.6, 2.9, 2.9, 0.0);
(400441.8, 3735530.6, 3.1, 3.1, 0.0); (400635.1,
3735530.6, 2.8, 2.8, 0.0);
(400828.3, 3735530.6, 2.6, 2.6, 0.0); (401021.6,
3735530.6, 3.0, 3.0, 0.0);
(401214.9, 3735530.6, 2.8, 2.8, 0.0); (401408.1,
3735530.6, 3.8, 3.8, 0.0);
(401601.4, 3735530.6, 3.3, 3.3, 0.0); (401794.7,
3735530.6, 3.8, 3.8, 0.0);
(401988.0, 3735530.6, 4.0, 4.0, 0.0); (402181.2,
3735530.6, 4.1, 4.1, 0.0);
(398315.8, 3735706.5, 0.2, 2.9, 0.0); (398509.1,
3735706.5, -1.9, -1.9, 0.0);
(398702.4, 3735706.5, -1.5, -1.5, 0.0); (398895.6,
3735706.5, 0.5, 3.0, 0.0);
(399088.9, 3735706.5, 2.6, 2.6, 0.0); (399282.2,
3735706.5, 3.7, 3.7, 0.0);
(399475.4, 3735706.5, 6.4, 6.4, 0.0); (399668.7,
3735706.5, 3.4, 3.4, 0.0);
(399862.0, 3735706.5, 3.6, 3.6, 0.0); (400055.2,
3735706.5, 3.5, 3.5, 0.0);
(400248.5, 3735706.5, 2.6, 2.6, 0.0); (400441.8,
3735706.5, 3.1, 3.1, 0.0);
(400635.1, 3735706.5, 3.2, 3.2, 0.0); (400828.3,
3735706.5, 3.4, 3.4, 0.0);
(401021.6, 3735706.5, 3.0, 3.0, 0.0); (401214.9,
3735706.5, 3.8, 3.8, 0.0);
(401408.1, 3735706.5, 4.0, 4.0, 0.0); (401601.4,
3735706.5, 4.0, 4.0, 0.0);
(401794.7, 3735706.5, 4.5, 4.5, 0.0); (401988.0,
3735706.5, 4.8, 4.8, 0.0);
(402181.2, 3735706.5, 4.9, 4.9, 0.0); (398315.8,
3735882.3, 2.5, 5.9, 0.0);
(398509.1, 3735882.3, 3.2, 3.2, 0.0); (398702.4,
3735882.3, 3.3, 3.3, 0.0);
(398895.6, 3735882.3, -0.3, 2.4, 0.0); (399088.9,

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3735882.3,      3.1,      3.1,      0.0);
  ( 399282.2, 3735882.3,      3.2,      3.2,      0.0);      ( 399475.4,
3735882.3,      4.1,      4.1,      0.0);
  ( 399668.7, 3735882.3,      3.4,      3.4,      0.0);      ( 399862.0,
3735882.3,      3.3,      3.3,      0.0);
  ( 400055.2, 3735882.3,      3.7,      3.7,      0.0);      ( 400248.5,
3735882.3,      3.4,      3.4,      0.0);
  ( 400441.8, 3735882.3,      2.9,      2.9,      0.0);      ( 400635.1,
3735882.3,      2.8,      2.8,      0.0);
  ( 400828.3, 3735882.3,      3.1,      3.1,      0.0);      ( 401021.6,
3735882.3,      3.1,      3.1,      0.0);
  ( 401214.9, 3735882.3,      3.8,      3.8,      0.0);      ( 401408.1,
3735882.3,      4.1,      4.1,      0.0);
  ( 401601.4, 3735882.3,      4.5,      4.5,      0.0);      ( 401794.7,
3735882.3,      4.5,      9.7,      0.0);
  ( 401988.0, 3735882.3,      4.5,      4.5,      0.0);      ( 402181.2,
3735882.3,      4.9,      4.9,      0.0);
  ( 398315.8, 3736058.1,      0.7,      7.5,      0.0);      ( 398509.1,
3736058.1,      3.1,      5.7,      0.0);
  ( 398702.4, 3736058.1,      3.3,      3.3,      0.0);      ( 398895.6,
3736058.1,      1.9,      2.4,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

  ( 399088.9, 3736058.1,      2.5,      2.5,      0.0);      ( 399282.2,
3736058.1,      2.3,      2.3,      0.0);
  ( 399475.4, 3736058.1,      2.5,      2.5,      0.0);      ( 399668.7,
3736058.1,      3.1,      3.1,      0.0);
  ( 399862.0, 3736058.1,      2.8,      2.8,      0.0);      ( 400248.5,
3736058.1,      3.3,      3.3,      0.0);
  ( 400441.8, 3736058.1,      3.0,      3.0,      0.0);      ( 400635.1,
3736058.1,      3.2,      3.2,      0.0);
  ( 400828.3, 3736058.1,      3.5,      3.5,      0.0);      ( 401021.6,
3736058.1,      3.6,      3.6,      0.0);
  ( 401214.9, 3736058.1,      3.7,      3.7,      0.0);      ( 401408.1,
3736058.1,      3.8,      3.8,      0.0);
  ( 401601.4, 3736058.1,      3.7,      3.7,      0.0);      ( 401794.7,
3736058.1,      3.8,      3.8,      0.0);
  ( 401988.0, 3736058.1,      4.4,      4.4,      0.0);      ( 402181.2,
3736058.1,      4.5,      4.5,      0.0);
  ( 398315.8, 3736233.9,      0.7,      5.8,      0.0);      ( 398509.1,

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3736233.9, 3.3, 3.3, 0.0);
(398702.4, 3736233.9, 2.8, 2.8, 0.0); (398895.6,
3736233.9, 2.1, 2.1, 0.0);
(399088.9, 3736233.9, 2.1, 2.1, 0.0); (399282.2,
3736233.9, 2.6, 2.6, 0.0);
(399475.4, 3736233.9, 3.0, 3.0, 0.0); (399668.7,
3736233.9, 3.1, 3.1, 0.0);
(399862.0, 3736233.9, 2.8, 2.8, 0.0); (400248.5,
3736233.9, 2.9, 2.9, 0.0);
(400441.8, 3736233.9, 3.2, 3.2, 0.0); (400635.1,
3736233.9, 3.2, 3.2, 0.0);
(400828.3, 3736233.9, 4.2, 9.2, 0.0); (401021.6,
3736233.9, 6.6, 10.1, 0.0);
(401214.9, 3736233.9, 3.7, 3.7, 0.0); (401408.1,
3736233.9, 3.7, 3.7, 0.0);
(401601.4, 3736233.9, 4.1, 4.1, 0.0); (401794.7,
3736233.9, 5.2, 10.6, 0.0);
(401988.0, 3736233.9, 4.2, 4.2, 0.0); (402181.2,
3736233.9, 5.3, 5.3, 0.0);
(398315.8, 3736409.7, 0.7, 5.5, 0.0); (398509.1,
3736409.7, 3.5, 3.5, 0.0);
(398702.4, 3736409.7, 3.5, 3.5, 0.0); (398895.6,
3736409.7, 2.4, 2.4, 0.0);
(399088.9, 3736409.7, 2.7, 2.7, 0.0); (399282.2,
3736409.7, 2.7, 2.7, 0.0);
(399475.4, 3736409.7, 2.5, 2.5, 0.0); (399668.7,
3736409.7, 2.4, 2.4, 0.0);
(399862.0, 3736409.7, 2.5, 2.5, 0.0); (400055.2,
3736409.7, 2.8, 2.8, 0.0);
(400248.5, 3736409.7, 3.1, 3.1, 0.0); (400441.8,
3736409.7, 3.3, 3.3, 0.0);
(400635.1, 3736409.7, 3.6, 3.6, 0.0); (400828.3,
3736409.7, 4.5, 11.8, 0.0);
(401021.6, 3736409.7, 6.4, 9.1, 0.0); (401214.9,
3736409.7, 4.0, 4.0, 0.0);
(401408.1, 3736409.7, 3.9, 3.9, 0.0); (401601.4,
3736409.7, 4.2, 4.2, 0.0);
(401794.7, 3736409.7, 5.2, 10.8, 0.0); (401988.0,
3736409.7, 4.4, 4.4, 0.0);
(402181.2, 3736409.7, 5.4, 5.4, 0.0); (398315.8,
3736585.6, 0.7, 5.9, 0.0);
(398509.1, 3736585.6, 3.5, 3.5, 0.0); (398702.4,
3736585.6, 3.4, 3.4, 0.0);
(398895.6, 3736585.6, 2.4, 2.4, 0.0); (399088.9,
3736585.6, 2.2, 2.2, 0.0);
(399282.2, 3736585.6, 2.6, 2.6, 0.0); (399475.4,
3736585.6, 2.5, 2.5, 0.0);
(399668.7, 3736585.6, 2.6, 2.6, 0.0); (399862.0,
3736585.6, 2.9, 2.9, 0.0);
(400055.2, 3736585.6, 3.2, 3.2, 0.0); (400248.5,

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3736585.6,      3.3,      3.3,      0.0);
( 400441.8, 3736585.6,      3.5,      3.5,      0.0);      ( 400635.1,
3736585.6,      3.7,      3.7,      0.0);
( 400828.3, 3736585.6,      4.6,      8.8,      0.0);      ( 401021.6,
3736585.6,      6.9,      9.3,      0.0);
( 401214.9, 3736585.6,      4.2,      4.2,      0.0);      ( 401408.1,
3736585.6,      4.3,      4.3,      0.0);
( 401601.4, 3736585.6,      4.6,      4.6,      0.0);      ( 401794.7,
3736585.6,      5.4,      10.2,      0.0);
( 401988.0, 3736585.6,      8.0,      9.4,      0.0);      ( 402181.2,
3736585.6,      4.9,      4.9,      0.0);
( 398315.8, 3736761.4,      0.7,      6.3,      0.0);      ( 398509.1,
3736761.4,      3.3,      3.3,      0.0);
( 398702.4, 3736761.4,      3.4,      3.4,      0.0);      ( 398895.6,
3736761.4,      2.5,      2.5,      0.0);
( 399088.9, 3736761.4,      2.5,      2.5,      0.0);      ( 399282.2,
3736761.4,      2.6,      2.6,      0.0);
( 399475.4, 3736761.4,      2.7,      2.7,      0.0);      ( 399668.7,
3736761.4,      2.6,      2.6,      0.0);
( 399862.0, 3736761.4,      2.3,      2.3,      0.0);      ( 400055.2,
3736761.4,      2.5,      2.5,      0.0);
( 400248.5, 3736761.4,      3.5,      3.5,      0.0);      ( 400441.8,
3736761.4,      3.6,      3.6,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc      ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 400635.1, 3736761.4,      3.8,      3.8,      0.0);      ( 400828.3,
3736761.4,      4.8,      9.0,      0.0);
( 401021.6, 3736761.4,      6.6,      9.5,      0.0);      ( 401214.9,
3736761.4,      5.8,      6.3,      0.0);
( 401408.1, 3736761.4,      4.4,      4.4,      0.0);      ( 401601.4,
3736761.4,      4.8,      4.8,      0.0);
( 401794.7, 3736761.4,      5.4,      10.0,      0.0);      ( 401988.0,
3736761.4,      4.9,      4.9,      0.0);
( 402181.2, 3736761.4,      5.1,      5.1,      0.0);      ( 398315.8,
3736937.2,      0.7,      6.4,      0.0);
( 398509.1, 3736937.2,      3.8,      3.8,      0.0);      ( 398702.4,
3736937.2,      3.6,      3.6,      0.0);
( 398895.6, 3736937.2,      2.8,      2.8,      0.0);      ( 399088.9,
3736937.2,      2.9,      2.9,      0.0);
( 399282.2, 3736937.2,      2.8,      2.8,      0.0);      ( 399475.4,

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3736937.2, 2.9, 2.9, 0.0);
(399668.7, 3736937.2, 3.2, 3.2, 0.0); (399862.0,
3736937.2, 3.4, 3.4, 0.0);
(400055.2, 3736937.2, 2.7, 2.7, 0.0); (400248.5,
3736937.2, 3.7, 3.7, 0.0);
(400441.8, 3736937.2, 3.8, 3.8, 0.0); (400635.1,
3736937.2, 4.0, 4.0, 0.0);
(400828.3, 3736937.2, 4.9, 12.4, 0.0); (401021.6,
3736937.2, 6.1, 12.1, 0.0);
(401214.9, 3736937.2, 4.6, 12.2, 0.0); (401408.1,
3736937.2, 4.6, 4.6, 0.0);
(401601.4, 3736937.2, 4.8, 4.8, 0.0); (401794.7,
3736937.2, 5.4, 10.0, 0.0);
(401988.0, 3736937.2, 5.0, 5.0, 0.0); (402181.2,
3736937.2, 5.2, 5.2, 0.0);
(398315.8, 3737113.0, 1.0, 6.6, 0.0); (398509.1,
3737113.0, 3.7, 3.7, 0.0);
(398702.4, 3737113.0, 2.1, 2.4, 0.0); (398895.6,
3737113.0, 2.8, 2.8, 0.0);
(399088.9, 3737113.0, 2.9, 2.9, 0.0); (399282.2,
3737113.0, 2.9, 2.9, 0.0);
(399475.4, 3737113.0, 3.0, 3.0, 0.0); (399668.7,
3737113.0, 3.5, 3.5, 0.0);
(399862.0, 3737113.0, 3.5, 3.5, 0.0); (400055.2,
3737113.0, 3.1, 3.1, 0.0);
(400248.5, 3737113.0, 3.3, 3.3, 0.0); (400441.8,
3737113.0, 3.9, 3.9, 0.0);
(400635.1, 3737113.0, 4.1, 4.1, 0.0); (400828.3,
3737113.0, 4.1, 4.1, 0.0);
(401021.6, 3737113.0, 4.3, 4.3, 0.0); (401214.9,
3737113.0, 4.5, 4.5, 0.0);
(401408.1, 3737113.0, 4.6, 4.6, 0.0); (401601.4,
3737113.0, 4.7, 4.7, 0.0);
(401794.7, 3737113.0, 5.0, 5.0, 0.0); (401988.0,
3737113.0, 5.1, 5.1, 0.0);
(402181.2, 3737113.0, 5.3, 5.3, 0.0); (398315.8,
3737288.8, 1.8, 6.8, 0.0);
(398509.1, 3737288.8, 4.4, 4.4, 0.0); (398702.4,
3737288.8, 2.6, 2.6, 0.0);
(398895.6, 3737288.8, 2.5, 2.5, 0.0); (399088.9,
3737288.8, 2.6, 2.6, 0.0);
(399282.2, 3737288.8, 2.9, 2.9, 0.0); (399475.4,
3737288.8, 3.3, 3.3, 0.0);
(399668.7, 3737288.8, 3.3, 3.3, 0.0); (399862.0,
3737288.8, 3.2, 3.2, 0.0);
(400055.2, 3737288.8, 3.5, 3.5, 0.0); (400248.5,
3737288.8, 3.7, 3.7, 0.0);
(400441.8, 3737288.8, 3.8, 3.8, 0.0); (400635.1,
3737288.8, 4.1, 4.1, 0.0);
(400828.3, 3737288.8, 4.3, 4.3, 0.0); (401021.6,

3737288.8, 4.6, 4.6, 0.0);
 (401214.9, 3737288.8, 4.7, 4.7, 0.0); (401408.1,
 3737288.8, 4.8, 4.8, 0.0);
 (401601.4, 3737288.8, 5.0, 5.0, 0.0); (401794.7,
 3737288.8, 5.2, 5.2, 0.0);
 (401988.0, 3737288.8, 5.4, 5.4, 0.0); (402181.2,
 3737288.8, 5.6, 5.6, 0.0);
 (398315.8, 3737464.7, 2.9, 6.6, 0.0); (398509.1,
 3737464.7, 4.0, 4.0, 0.0);
 (398702.4, 3737464.7, 2.5, 2.5, 0.0); (398895.6,
 3737464.7, 3.0, 3.0, 0.0);
 (399088.9, 3737464.7, 3.0, 3.0, 0.0); (399282.2,
 3737464.7, 3.2, 3.2, 0.0);
 (399475.4, 3737464.7, 3.4, 3.4, 0.0); (399668.7,
 3737464.7, 3.7, 3.7, 0.0);
 (399862.0, 3737464.7, 3.8, 3.8, 0.0); (400055.2,
 3737464.7, 3.8, 3.8, 0.0);
 (400248.5, 3737464.7, 4.4, 4.4, 0.0); (400441.8,
 3737464.7, 4.9, 4.9, 0.0);
 (400635.1, 3737464.7, 4.0, 4.0, 0.0); (400828.3,
 3737464.7, 4.2, 4.2, 0.0);
 (401021.6, 3737464.7, 4.7, 4.7, 0.0); (401214.9,
 3737464.7, 4.8, 4.8, 0.0);
 (401408.1, 3737464.7, 5.0, 5.0, 0.0); (401601.4,
 3737464.7, 5.1, 5.1, 0.0);

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(401794.7, 3737464.7, 5.3, 5.3, 0.0); (401988.0,
 3737464.7, 5.5, 5.5, 0.0);
 (402181.2, 3737464.7, 5.7, 5.7, 0.0); (398315.8,
 3737640.5, 3.5, 8.4, 0.0);
 (398509.1, 3737640.5, 3.2, 4.7, 0.0); (398702.4,
 3737640.5, 2.9, 2.9, 0.0);
 (398895.6, 3737640.5, 4.4, 9.4, 0.0); (399088.9,
 3737640.5, 3.1, 3.1, 0.0);
 (399282.2, 3737640.5, 3.9, 14.6, 0.0); (399475.4,
 3737640.5, 6.5, 6.5, 0.0);
 (399668.7, 3737640.5, 5.9, 5.9, 0.0); (399862.0,
 3737640.5, 5.1, 5.1, 0.0);
 (400055.2, 3737640.5, 4.8, 4.8, 0.0); (400248.5,

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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1
1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23,
10.80,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC
Met Version: 16216
Profile file: ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23129 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-5.3	0.094	-9.000	-9.000	-999.	70.	14.3	0.10	2.68	
1.00	1.13	322.		7.9	282.0	2.0								
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.		7.9	281.4	2.0								
12	01	01	1	03	-2.5	0.068	-9.000	-9.000	-999.	43.	11.4	0.10	2.68	

1.00	0.74	79.	7.9	280.9	2.0								
12	01	01	1	04	-3.2	0.075	-9.000	-9.000	-999.	49.	11.7	0.10	2.68
1.00	0.86	137.	7.9	280.9	2.0								
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68
1.00	0.00	0.	7.9	280.4	2.0								
12	01	01	1	06	-5.2	0.093	-9.000	-9.000	-999.	68.	14.0	0.10	2.68
1.00	1.11	92.	7.9	279.9	2.0								
12	01	01	1	07	-2.3	0.066	-9.000	-9.000	-999.	41.	11.5	0.10	2.68
1.00	0.69	67.	7.9	278.8	2.0								
12	01	01	1	08	-1.7	0.060	-9.000	-9.000	-999.	36.	11.4	0.10	2.68
0.54	0.65	91.	7.9	279.9	2.0								
12	01	01	1	09	36.2	-9.000	-9.000	-9.000	37.	-999.	-99999.0	0.10	2.68
0.31	0.00	0.	7.9	283.8	2.0								
12	01	01	1	10	108.4	0.139	0.707	0.009	119.	124.	-2.3	0.10	2.68
0.24	0.92	319.	7.9	287.5	2.0								
12	01	01	1	11	160.5	0.114	1.137	0.005	334.	93.	-1.0	0.10	2.68
0.21	0.62	23.	7.9	292.5	2.0								
12	01	01	1	12	186.7	0.125	1.473	0.005	623.	105.	-1.0	0.10	2.68
0.20	0.69	18.	7.9	295.4	2.0								
12	01	01	1	13	186.8	0.130	1.761	0.005	1065.	112.	-1.1	0.10	2.68
0.20	0.74	250.	7.9	297.5	2.0								
12	01	01	1	14	161.7	0.150	1.834	0.005	1387.	139.	-1.9	0.10	2.68
0.21	0.96	347.	7.9	300.4	2.0								
12	01	01	1	15	105.5	0.243	1.633	0.005	1499.	288.	-12.4	0.10	2.68
0.24	2.11	194.	7.9	295.9	2.0								
12	01	01	1	16	32.4	0.211	1.109	0.005	1530.	233.	-26.3	0.10	2.68
0.33	1.98	186.	7.9	295.4	2.0								
12	01	01	1	17	-20.5	0.250	-9.000	-9.000	-999.	300.	69.2	0.10	2.68
0.60	2.81	293.	7.9	291.4	2.0								
12	01	01	1	18	-25.4	0.257	-9.000	-9.000	-999.	313.	72.8	0.10	2.68
1.00	2.90	301.	7.9	288.1	2.0								
12	01	01	1	19	-21.0	0.211	-9.000	-9.000	-999.	233.	49.0	0.10	2.68
1.00	2.40	313.	7.9	286.4	2.0								
12	01	01	1	20	-25.7	0.258	-9.000	-9.000	-999.	315.	73.3	0.10	2.68
1.00	2.91	302.	7.9	286.4	2.0								
12	01	01	1	21	-22.5	0.225	-9.000	-9.000	-999.	256.	55.7	0.10	2.68
1.00	2.55	306.	7.9	285.4	2.0								
12	01	01	1	22	-9.3	0.126	-9.000	-9.000	-999.	111.	19.5	0.10	2.68
1.00	1.48	284.	7.9	285.9	2.0								
12	01	01	1	23	-21.4	0.214	-9.000	-9.000	-999.	237.	50.3	0.10	2.68
1.00	2.43	282.	7.9	285.4	2.0								
12	01	01	1	24	-30.1	0.300	-9.000	-9.000	-999.	394.	98.9	0.10	2.68
1.00	3.36	300.	7.9	284.2	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	322.	1.13	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398682.79	3736051.95	0.14693	398702.79
3736051.95	0.14786		
398722.79	3736051.95	0.14878	398742.79
3736051.95	0.14970		
398762.79	3736051.95	0.15055	398782.79
3736051.95	0.15144		
398802.79	3736051.95	0.15218	398822.79
3736051.95	0.15279		
398842.79	3736051.95	0.15336	398862.79
3736051.95	0.15417		
398882.79	3736051.95	0.14670	398902.79
3736051.95	0.15506		
398922.79	3736051.95	0.15573	398942.79
3736051.95	0.15540		
398962.79	3736051.95	0.15572	398982.79
3736051.95	0.15745		
399002.79	3736051.95	0.15815	399022.79
3736051.95	0.15871		
399042.79	3736051.95	0.15932	399062.79
3736051.95	0.15999		
399082.79	3736051.95	0.16038	399102.79
3736051.95	0.16073		
399122.79	3736051.95	0.16098	399142.79
3736051.95	0.16121		
399162.79	3736051.95	0.16130	399182.79
3736051.95	0.16147		
399202.79	3736051.95	0.16177	399222.79
3736051.95	0.16189		

399242.79	3736051.95	0.16162	399262.79
3736051.95	0.16156		
399282.79	3736051.95	0.16131	399302.79
3736051.95	0.16151		
399322.79	3736051.95	0.16183	399342.79
3736051.95	0.16186		
399362.79	3736051.95	0.16204	399382.79
3736051.95	0.16219		
399402.79	3736051.95	0.16251	399422.79
3736051.95	0.16281		
399442.79	3736051.95	0.16335	399462.79
3736051.95	0.16390		
399482.79	3736051.95	0.16450	399502.79
3736051.95	0.16526		
399522.79	3736051.95	0.16644	399542.79
3736051.95	0.16792		
399562.79	3736051.95	0.16930	399582.79
3736051.95	0.17105		
399602.79	3736051.95	0.17325	399622.79
3736051.95	0.17572		
399642.79	3736051.95	0.17870	399662.79
3736051.95	0.18227		
399682.79	3736051.95	0.18630	399702.79
3736051.95	0.19086		
399722.79	3736051.95	0.19600	399742.79
3736051.95	0.20197		
399762.79	3736051.95	0.20913	399782.79
3736051.95	0.21760		
399802.79	3736051.95	0.22674	399822.79
3736051.95	0.23757		
399842.79	3736051.95	0.25077	399862.79
3736051.95	0.26541		
399882.79	3736051.95	0.28269	399902.79
3736051.95	0.30362		
399922.79	3736051.95	0.32807	399942.79
3736051.95	0.35626		
399962.79	3736051.95	0.38967	399982.79
3736051.95	0.42554		
398682.79	3736071.95	0.14650	398702.79
3736071.95	0.14741		
398722.79	3736071.95	0.14833	398742.79
3736071.95	0.14925		
398762.79	3736071.95	0.15016	398782.79
3736071.95	0.15108		
398802.79	3736071.95	0.15199	398822.79
3736071.95	0.15282		
398842.79	3736071.95	0.15264	398862.79
3736071.95	0.15331		
398882.79	3736071.95	0.14645	398902.79
3736071.95	0.15471		

398922.79 3736071.95 0.15578 398942.79
 3736071.95 0.15485
 *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398962.79	3736071.95	0.15479	398982.79
3736071.95	0.15801		
399002.79	3736071.95	0.15875	399022.79
3736071.95	0.15926		
399042.79	3736071.95	0.15982	399062.79
3736071.95	0.16029		
399082.79	3736071.95	0.16066	399102.79
3736071.95	0.16107		
399122.79	3736071.95	0.16133	399142.79
3736071.95	0.16159		
399162.79	3736071.95	0.16133	399182.79
3736071.95	0.16162		
399202.79	3736071.95	0.16152	399222.79
3736071.95	0.16160		
399242.79	3736071.95	0.16069	399262.79
3736071.95	0.16122		
399282.79	3736071.95	0.16117	399302.79
3736071.95	0.16084		
399322.79	3736071.95	0.16128	399342.79
3736071.95	0.16164		
399362.79	3736071.95	0.16174	399382.79
3736071.95	0.16166		
399402.79	3736071.95	0.16117	399422.79
3736071.95	0.16131		
399442.79	3736071.95	0.16189	399462.79
3736071.95	0.16262		

399482.79	3736071.95	0.16330	399502.79
3736071.95	0.16407		
399522.79	3736071.95	0.16551	399542.79
3736071.95	0.16768		
399562.79	3736071.95	0.16895	399582.79
3736071.95	0.17070		
399602.79	3736071.95	0.17277	399622.79
3736071.95	0.17526		
399642.79	3736071.95	0.17815	399662.79
3736071.95	0.18154		
399682.79	3736071.95	0.18557	399702.79
3736071.95	0.18992		
399722.79	3736071.95	0.19517	399742.79
3736071.95	0.20089		
399762.79	3736071.95	0.20784	399782.79
3736071.95	0.21577		
399802.79	3736071.95	0.22534	399822.79
3736071.95	0.23606		
399842.79	3736071.95	0.24856	399862.79
3736071.95	0.26253		
399882.79	3736071.95	0.27967	399902.79
3736071.95	0.29973		
399922.79	3736071.95	0.32263	399942.79
3736071.95	0.34988		
399962.79	3736071.95	0.38182	399982.79
3736071.95	0.41802		
398682.79	3736091.95	0.14606	398702.79
3736091.95	0.14697		
398722.79	3736091.95	0.14788	398742.79
3736091.95	0.14879		
398762.79	3736091.95	0.14970	398782.79
3736091.95	0.15060		
398802.79	3736091.95	0.15151	398822.79
3736091.95	0.15218		
398842.79	3736091.95	0.15164	398862.79
3736091.95	0.15199		
398882.79	3736091.95	0.14603	398902.79
3736091.95	0.15348		
398922.79	3736091.95	0.15418	398942.79
3736091.95	0.15411		
398962.79	3736091.95	0.15360	398982.79
3736091.95	0.15738		
399002.79	3736091.95	0.15794	399022.79
3736091.95	0.15856		
399042.79	3736091.95	0.15920	399062.79
3736091.95	0.15984		
399082.79	3736091.95	0.16002	399102.79
3736091.95	0.16033		
399122.79	3736091.95	0.16058	399142.79
3736091.95	0.16096		

399162.79 3736091.95 0.16052 399182.79
 3736091.95 0.16038
 399202.79 3736091.95 0.16030 399222.79
 3736091.95 0.16019

*** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
399242.79	3736091.95	0.16030	399262.79
3736091.95	0.16113		
399282.79	3736091.95	0.16114	399302.79
3736091.95	0.16122		
399322.79	3736091.95	0.16089	399342.79
3736091.95	0.16120		
399362.79	3736091.95	0.16142	399382.79
3736091.95	0.16172		
399402.79	3736091.95	0.16116	399422.79
3736091.95	0.16095		
399442.79	3736091.95	0.16172	399462.79
3736091.95	0.16273		
399482.79	3736091.95	0.16282	399502.79
3736091.95	0.16330		
399522.79	3736091.95	0.16410	399542.79
3736091.95	0.16563		
399562.79	3736091.95	0.16761	399582.79
3736091.95	0.16969		
399602.79	3736091.95	0.17138	399622.79
3736091.95	0.17352		
399642.79	3736091.95	0.17655	399662.79
3736091.95	0.17951		
399682.79	3736091.95	0.18334	399702.79
3736091.95	0.18784		

3736091.95	399722.79	3736091.95	0.19298	399742.79
3736091.95	0.19899			
3736091.95	399762.79	3736091.95	0.20569	399782.79
3736091.95	0.21205			
3736091.95	399802.79	3736091.95	0.22121	399822.79
3736091.95	0.23237			
3736091.95	399842.79	3736091.95	0.24444	399862.79
3736091.95	0.25841			
3736091.95	399882.79	3736091.95	0.27421	399902.79
3736091.95	0.29240			
3736091.95	399922.79	3736091.95	0.31384	399942.79
3736091.95	0.33931			
3736091.95	399962.79	3736091.95	0.36977	399982.79
3736091.95	0.40549			
3736111.95	398682.79	3736111.95	0.14562	398702.79
3736111.95	0.14653			
3736111.95	398722.79	3736111.95	0.14743	398742.79
3736111.95	0.14834			
3736111.95	398762.79	3736111.95	0.14924	398782.79
3736111.95	0.15014			
3736111.95	398802.79	3736111.95	0.15104	398822.79
3736111.95	0.15193			
3736111.95	398842.79	3736111.95	0.15254	398862.79
3736111.95	0.15143			
3736111.95	398882.79	3736111.95	0.14611	398902.79
3736111.95	0.15259			
3736111.95	398922.79	3736111.95	0.15309	398942.79
3736111.95	0.15340			
3736111.95	398962.79	3736111.95	0.15187	398982.79
3736111.95	0.15647			
3736111.95	399002.79	3736111.95	0.15675	399022.79
3736111.95	0.15781			
3736111.95	399042.79	3736111.95	0.15847	399062.79
3736111.95	0.15938			
3736111.95	399082.79	3736111.95	0.15924	399102.79
3736111.95	0.15908			
3736111.95	399122.79	3736111.95	0.15953	399142.79
3736111.95	0.16038			
3736111.95	399162.79	3736111.95	0.15994	399182.79
3736111.95	0.15949			
3736111.95	399202.79	3736111.95	0.15953	399222.79
3736111.95	0.15945			
3736111.95	399242.79	3736111.95	0.15954	399262.79
3736111.95	0.16019			
3736111.95	399282.79	3736111.95	0.16074	399302.79
3736111.95	0.16081			
3736111.95	399322.79	3736111.95	0.16043	399342.79
3736111.95	0.16069			
3736111.95	399362.79	3736111.95	0.16053	399382.79
3736111.95	0.16106			

399402.79 3736111.95 0.16055 399422.79
 3736111.95 0.16057
 399442.79 3736111.95 0.16191 399462.79
 3736111.95 0.16245
 399482.79 3736111.95 0.16307 399502.79
 3736111.95 0.16324

*** AERMOD - VERSION 19191 *** ** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399522.79	3736111.95	0.16328	399542.79
3736111.95	0.16417		
399562.79	3736111.95	0.16592	399582.79
3736111.95	0.16823		
399602.79	3736111.95	0.17056	399622.79
3736111.95	0.17253		
399642.79	3736111.95	0.17483	399662.79
3736111.95	0.17767		
399682.79	3736111.95	0.18181	399702.79
3736111.95	0.18611		
399722.79	3736111.95	0.19116	399742.79
3736111.95	0.19705		
399762.79	3736111.95	0.20283	399782.79
3736111.95	0.20916		
399802.79	3736111.95	0.21745	399822.79
3736111.95	0.22767		
399842.79	3736111.95	0.23974	399862.79
3736111.95	0.25301		
399882.79	3736111.95	0.26778	399902.79
3736111.95	0.28732		
399922.79	3736111.95	0.30802	399942.79
3736111.95	0.33100		

3736111.95	399962.79	3736111.95	0.35953	399982.79
	0.39387			
3736131.95	398682.79	3736131.95	0.14520	398702.79
	0.14609			
3736131.95	398722.79	3736131.95	0.14699	398742.79
	0.14749			
3736131.95	398762.79	3736131.95	0.14859	398782.79
	0.14955			
3736131.95	398802.79	3736131.95	0.15058	398822.79
	0.15122			
3736131.95	398842.79	3736131.95	0.15235	398862.79
	0.15085			
3736131.95	398882.79	3736131.95	0.14595	398902.79
	0.15194			
3736131.95	398922.79	3736131.95	0.15285	398942.79
	0.15348			
3736131.95	398962.79	3736131.95	0.15137	398982.79
	0.15326			
3736131.95	399002.79	3736131.95	0.15643	399022.79
	0.15767			
3736131.95	399042.79	3736131.95	0.15822	399062.79
	0.15868			
3736131.95	399082.79	3736131.95	0.15814	399102.79
	0.15821			
3736131.95	399122.79	3736131.95	0.15884	399142.79
	0.15980			
3736131.95	399162.79	3736131.95	0.15972	399182.79
	0.15959			
3736131.95	399202.79	3736131.95	0.15960	399222.79
	0.15968			
3736131.95	399242.79	3736131.95	0.15907	399262.79
	0.15999			
3736131.95	399282.79	3736131.95	0.16054	399302.79
	0.15997			
3736131.95	399322.79	3736131.95	0.15982	399342.79
	0.16024			
3736131.95	399362.79	3736131.95	0.15997	399382.79
	0.16033			
3736131.95	399402.79	3736131.95	0.15994	399422.79
	0.16074			
3736131.95	399442.79	3736131.95	0.16140	399462.79
	0.16153			
3736131.95	399482.79	3736131.95	0.16239	399502.79
	0.16294			
3736131.95	399522.79	3736131.95	0.16396	399542.79
	0.16394			
3736131.95	399562.79	3736131.95	0.16478	399582.79
	0.16628			
3736131.95	399602.79	3736131.95	0.16879	399622.79
	0.17107			

3736151.95	398882.79	3736151.95	0.14488	398902.79
3736151.95	0.15154			
3736151.95	398922.79	3736151.95	0.15314	398942.79
3736151.95	0.15370			
3736151.95	398962.79	3736151.95	0.15419	398982.79
3736151.95	0.15257			
3736151.95	399002.79	3736151.95	0.15197	399022.79
3736151.95	0.15572			
3736151.95	399042.79	3736151.95	0.15759	399062.79
3736151.95	0.15789			
3736151.95	399082.79	3736151.95	0.15736	399102.79
3736151.95	0.15776			
3736151.95	399122.79	3736151.95	0.15867	399142.79
3736151.95	0.15890			
3736151.95	399162.79	3736151.95	0.15929	399182.79
3736151.95	0.15926			
3736151.95	399202.79	3736151.95	0.15904	399222.79
3736151.95	0.15882			
3736151.95	399242.79	3736151.95	0.15877	399262.79
3736151.95	0.15952			
3736151.95	399282.79	3736151.95	0.15965	399302.79
3736151.95	0.15918			
3736151.95	399322.79	3736151.95	0.15947	399342.79
3736151.95	0.16028			
3736151.95	399362.79	3736151.95	0.16003	399382.79
3736151.95	0.15999			
3736151.95	399402.79	3736151.95	0.15976	399422.79
3736151.95	0.16007			
3736151.95	399442.79	3736151.95	0.16029	399462.79
3736151.95	0.16134			
3736151.95	399482.79	3736151.95	0.16160	399502.79
3736151.95	0.16289			
3736151.95	399522.79	3736151.95	0.16357	399542.79
3736151.95	0.16463			
3736151.95	399562.79	3736151.95	0.16520	399582.79
3736151.95	0.16553			
3736151.95	399602.79	3736151.95	0.16715	399622.79
3736151.95	0.16942			
3736151.95	399642.79	3736151.95	0.17195	399662.79
3736151.95	0.17594			
3736151.95	399682.79	3736151.95	0.17926	399702.79
3736151.95	0.18323			
3736151.95	399722.79	3736151.95	0.18751	399742.79
3736151.95	0.19154			
3736151.95	399762.79	3736151.95	0.19767	399782.79
3736151.95	0.20450			
3736151.95	399802.79	3736151.95	0.21234	399822.79
3736151.95	0.22156			
3736151.95	399842.79	3736151.95	0.23141	399862.79
3736151.95	0.24415			

399882.79	3736151.95	0.25942	399902.79
3736151.95	0.27698		
399922.79	3736151.95	0.29690	399942.79
3736151.95	0.31909		
399962.79	3736151.95	0.34581	399982.79
3736151.95	0.37422		
398682.79	3736171.95	0.14053	398702.79
3736171.95	0.14527		
398722.79	3736171.95	0.14616	398742.79
3736171.95	0.14704		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398762.79	3736171.95	0.14793	398782.79
3736171.95	0.14881		
398802.79	3736171.95	0.14947	398822.79
3736171.95	0.15034		
398842.79	3736171.95	0.15145	398862.79
3736171.95	0.14957		
398882.79	3736171.95	0.14498	398902.79
3736171.95	0.15120		
398922.79	3736171.95	0.15285	398942.79
3736171.95	0.15338		
398962.79	3736171.95	0.15503	398982.79
3736171.95	0.15543		
399002.79	3736171.95	0.15446	399022.79
3736171.95	0.15197		
399042.79	3736171.95	0.15414	399062.79
3736171.95	0.15665		
399082.79	3736171.95	0.15681	399102.79
3736171.95	0.15779		

3736171.95	399122.79	3736171.95	0.15802	399142.79
3736171.95	0.15768			
3736171.95	399162.79	3736171.95	0.15797	399182.79
3736171.95	0.15868			
3736171.95	399202.79	3736171.95	0.15875	399222.79
3736171.95	0.15794			
3736171.95	399242.79	3736171.95	0.15862	399262.79
3736171.95	0.15855			
3736171.95	399282.79	3736171.95	0.15858	399302.79
3736171.95	0.15866			
3736171.95	399322.79	3736171.95	0.15966	399342.79
3736171.95	0.15972			
3736171.95	399362.79	3736171.95	0.15983	399382.79
3736171.95	0.15988			
3736171.95	399402.79	3736171.95	0.15987	399422.79
3736171.95	0.15979			
3736171.95	399442.79	3736171.95	0.16035	399462.79
3736171.95	0.16077			
3736171.95	399482.79	3736171.95	0.16128	399502.79
3736171.95	0.16232			
3736171.95	399522.79	3736171.95	0.16316	399542.79
3736171.95	0.16403			
3736171.95	399562.79	3736171.95	0.16504	399582.79
3736171.95	0.16625			
3736171.95	399602.79	3736171.95	0.16706	399622.79
3736171.95	0.16880			
3736171.95	399642.79	3736171.95	0.17118	399662.79
3736171.95	0.17463			
3736171.95	399682.79	3736171.95	0.17822	399702.79
3736171.95	0.18194			
3736171.95	399722.79	3736171.95	0.18521	399742.79
3736171.95	0.18929			
3736171.95	399762.79	3736171.95	0.19526	399782.79
3736171.95	0.20239			
3736171.95	399802.79	3736171.95	0.21034	399822.79
3736171.95	0.21878			
3736171.95	399842.79	3736171.95	0.22847	399862.79
3736171.95	0.24109			
3736171.95	399882.79	3736171.95	0.25640	399902.79
3736171.95	0.27289			
3736171.95	399922.79	3736171.95	0.29175	399942.79
3736171.95	0.31321			
3736171.95	399962.79	3736171.95	0.33792	399982.79
3736171.95	0.36495			
3736191.95	398682.79	3736191.95	0.13989	398702.79
3736191.95	0.14488			
3736191.95	398722.79	3736191.95	0.14560	398742.79
3736191.95	0.14665			
3736191.95	398762.79	3736191.95	0.14753	398782.79
3736191.95	0.14841			

398802.79	3736191.95	0.14929	398822.79
3736191.95	0.14881		
398842.79	3736191.95	0.15047	398862.79
3736191.95	0.14891		
398882.79	3736191.95	0.14515	398902.79
3736191.95	0.15086		
398922.79	3736191.95	0.15254	398942.79
3736191.95	0.15355		
398962.79	3736191.95	0.15464	398982.79
3736191.95	0.15490		
399002.79	3736191.95	0.15597	399022.79
3736191.95	0.15538		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399042.79	3736191.95	0.15308	399062.79
3736191.95	0.15248		
399082.79	3736191.95	0.15581	399102.79
3736191.95	0.15746		
399122.79	3736191.95	0.15763	399142.79
3736191.95	0.15726		
399162.79	3736191.95	0.15712	399182.79
3736191.95	0.15731		
399202.79	3736191.95	0.15770	399222.79
3736191.95	0.15830		
399242.79	3736191.95	0.15890	399262.79
3736191.95	0.15834		
399282.79	3736191.95	0.15820	399302.79
3736191.95	0.15846		
399322.79	3736191.95	0.15936	399342.79
3736191.95	0.15949		

3736191.95	399362.79	3736191.95	0.15950	399382.79
3736191.95	0.15959			
3736191.95	399402.79	3736191.95	0.15973	399422.79
3736191.95	0.15965			
3736191.95	399442.79	3736191.95	0.15997	399462.79
3736191.95	0.16042			
3736191.95	399482.79	3736191.95	0.16111	399502.79
3736191.95	0.16175			
3736191.95	399522.79	3736191.95	0.16281	399542.79
3736191.95	0.16358			
3736191.95	399562.79	3736191.95	0.16435	399582.79
3736191.95	0.16602			
3736191.95	399602.79	3736191.95	0.16759	399622.79
3736191.95	0.16916			
3736191.95	399642.79	3736191.95	0.17072	399662.79
3736191.95	0.17318			
3736191.95	399682.79	3736191.95	0.17663	399702.79
3736191.95	0.18096			
3736191.95	399722.79	3736191.95	0.18448	399742.79
3736191.95	0.18849			
3736191.95	399762.79	3736191.95	0.19378	399782.79
3736191.95	0.20044			
3736191.95	399802.79	3736191.95	0.20816	399822.79
3736191.95	0.21637			
3736191.95	399842.79	3736191.95	0.22645	399862.79
3736191.95	0.23879			
3736191.95	399882.79	3736191.95	0.25333	399902.79
3736191.95	0.26922			
3736191.95	399922.79	3736191.95	0.28716	399942.79
3736191.95	0.30742			
3736191.95	399962.79	3736191.95	0.32961	399982.79
3736191.95	0.35612			
3736211.95	398682.79	3736211.95	0.13951	398702.79
3736211.95	0.14377			
3736211.95	398722.79	3736211.95	0.14540	398742.79
3736211.95	0.14616			
3736211.95	398762.79	3736211.95	0.14716	398782.79
3736211.95	0.14804			
3736211.95	398802.79	3736211.95	0.14891	398822.79
3736211.95	0.14828			
3736211.95	398842.79	3736211.95	0.15066	398862.79
3736211.95	0.14790			
3736211.95	398882.79	3736211.95	0.14528	398902.79
3736211.95	0.15056			
3736211.95	398922.79	3736211.95	0.15234	398942.79
3736211.95	0.15325			
3736211.95	398962.79	3736211.95	0.15373	398982.79
3736211.95	0.15473			
3736211.95	399002.79	3736211.95	0.15532	399022.79
3736211.95	0.15584			

3736211.95	399042.79	3736211.95	0.15577	399062.79
		0.15460		
3736211.95	399082.79	3736211.95	0.15208	399102.79
		0.15440		
3736211.95	399122.79	3736211.95	0.15700	399142.79
		0.15743		
3736211.95	399162.79	3736211.95	0.15723	399182.79
		0.15671		
3736211.95	399202.79	3736211.95	0.15736	399222.79
		0.15858		
3736211.95	399242.79	3736211.95	0.15869	399262.79
		0.15879		
3736211.95	399282.79	3736211.95	0.15839	399302.79
		0.15825		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
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***                                     ***      10:15:03

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399322.79	3736211.95	0.15841	399342.79
3736211.95	0.15887		
399362.79	3736211.95	0.15928	399382.79
3736211.95	0.15932		
399402.79	3736211.95	0.15946	399422.79
3736211.95	0.15980		
399442.79	3736211.95	0.15997	399462.79
3736211.95	0.16055		
399482.79	3736211.95	0.16081	399502.79
3736211.95	0.16184		
399522.79	3736211.95	0.16267	399542.79
3736211.95	0.16355		
399562.79	3736211.95	0.16460	399582.79
3736211.95	0.16588		

3736211.95	399602.79	3736211.95	0.16744	399622.79
3736211.95	0.16931			
3736211.95	399642.79	3736211.95	0.17153	399662.79
3736211.95	0.17315			
3736211.95	399682.79	3736211.95	0.17581	399702.79
3736211.95	0.17920			
3736211.95	399722.79	3736211.95	0.18359	399742.79
3736211.95	0.18862			
3736211.95	399762.79	3736211.95	0.19368	399782.79
3736211.95	0.19948			
3736211.95	399802.79	3736211.95	0.20662	399822.79
3736211.95	0.21500			
3736211.95	399842.79	3736211.95	0.22526	399862.79
3736211.95	0.23726			
3736211.95	399882.79	3736211.95	0.25109	399902.79
3736211.95	0.26651			
3736211.95	399922.79	3736211.95	0.28349	399942.79
3736211.95	0.30267			
3736211.95	399962.79	3736211.95	0.32331	399982.79
3736211.95	0.34813			
3736231.95	398682.79	3736231.95	0.13920	398702.79
3736231.95	0.14341			
3736231.95	398722.79	3736231.95	0.14506	398742.79
3736231.95	0.14589			
3736231.95	398762.79	3736231.95	0.14681	398782.79
3736231.95	0.14769			
3736231.95	398802.79	3736231.95	0.14843	398822.79
3736231.95	0.14796			
3736231.95	398842.79	3736231.95	0.15031	398862.79
3736231.95	0.14734			
3736231.95	398882.79	3736231.95	0.14551	398902.79
3736231.95	0.15037			
3736231.95	398922.79	3736231.95	0.15214	398942.79
3736231.95	0.15254			
3736231.95	398962.79	3736231.95	0.15310	398982.79
3736231.95	0.15390			
3736231.95	399002.79	3736231.95	0.15476	399022.79
3736231.95	0.15562			
3736231.95	399042.79	3736231.95	0.15518	399062.79
3736231.95	0.15619			
3736231.95	399082.79	3736231.95	0.15590	399102.79
3736231.95	0.15299			
3736231.95	399122.79	3736231.95	0.15266	399142.79
3736231.95	0.15596			
3736231.95	399162.79	3736231.95	0.15731	399182.79
3736231.95	0.15652			
3736231.95	399202.79	3736231.95	0.15784	399222.79
3736231.95	0.15849			
3736231.95	399242.79	3736231.95	0.15872	399262.79
3736231.95	0.15856			

3736231.95	399842.79	3736231.95	0.22516	399862.79
3736231.95	0.23624			
3736231.95	399882.79	3736231.95	0.24913	399902.79
3736231.95	0.26365			
3736231.95	399922.79	3736231.95	0.27978	399942.79
3736231.95	0.29800			
3736251.95	399962.79	3736231.95	0.31857	398682.79
3736251.95	0.13890			
3736251.95	398702.79	3736251.95	0.14341	398722.79
3736251.95	0.14448			
3736251.95	398742.79	3736251.95	0.14562	398762.79
3736251.95	0.14650			
3736251.95	398782.79	3736251.95	0.14738	398802.79
3736251.95	0.14708			
3736251.95	398822.79	3736251.95	0.14843	398842.79
3736251.95	0.15000			
3736251.95	398862.79	3736251.95	0.14651	398882.79
3736251.95	0.14599			
3736251.95	398902.79	3736251.95	0.15026	398922.79
3736251.95	0.15187			
3736251.95	398942.79	3736251.95	0.15233	398962.79
3736251.95	0.15279			
3736251.95	398982.79	3736251.95	0.15343	399002.79
3736251.95	0.15405			
3736251.95	399022.79	3736251.95	0.15465	399042.79
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3736251.95	0.15673			
3736251.95	399102.79	3736251.95	0.15668	399122.79
3736251.95	0.15477			
3736251.95	399142.79	3736251.95	0.15217	399162.79
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3736251.95	399182.79	3736251.95	0.15674	399202.79
3736251.95	0.15774			
3736251.95	399222.79	3736251.95	0.15798	399242.79
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3736251.95	399262.79	3736251.95	0.15806	399282.79
3736251.95	0.15832			
3736251.95	399302.79	3736251.95	0.15922	399322.79
3736251.95	0.15942			
3736251.95	399342.79	3736251.95	0.15910	399362.79
3736251.95	0.15920			
3736251.95	399382.79	3736251.95	0.15924	399402.79
3736251.95	0.15970			
3736251.95	399422.79	3736251.95	0.15993	399442.79
3736251.95	0.16058			
3736251.95	399462.79	3736251.95	0.16121	399482.79
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3736251.95	399502.79	3736251.95	0.16194	399522.79
3736251.95	0.16289			

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3736271.95	0.14667		
398842.79	3736271.95	0.14974	398862.79
3736271.95	0.14589		
398882.79	3736271.95	0.14642	398902.79
3736271.95	0.15019		
398922.79	3736271.95	0.15178	398942.79
3736271.95	0.15225		
398962.79	3736271.95	0.15267	398982.79
3736271.95	0.15314		
399002.79	3736271.95	0.15380	399022.79
3736271.95	0.15437		
399042.79	3736271.95	0.15524	399062.79
3736271.95	0.15612		
399082.79	3736271.95	0.15693	399102.79
3736271.95	0.15694		
399122.79	3736271.95	0.15727	399142.79
3736271.95	0.15585		
399162.79	3736271.95	0.15367	399182.79
3736271.95	0.15344		
399202.79	3736271.95	0.15665	399222.79
3736271.95	0.15785		
399242.79	3736271.95	0.15813	399262.79
3736271.95	0.15803		
399282.79	3736271.95	0.15884	399302.79
3736271.95	0.15968		
399322.79	3736271.95	0.15959	399342.79
3736271.95	0.15975		
399362.79	3736271.95	0.15967	399382.79
3736271.95	0.15976		
399402.79	3736271.95	0.15991	399422.79
3736271.95	0.16019		
399442.79	3736271.95	0.16045	399462.79
3736271.95	0.16126		
399482.79	3736271.95	0.16208	399502.79
3736271.95	0.16254		
399522.79	3736271.95	0.16316	399542.79
3736271.95	0.16477		
399562.79	3736271.95	0.16574	399582.79
3736271.95	0.16707		
399602.79	3736271.95	0.16853	399622.79
3736271.95	0.17072		
399642.79	3736271.95	0.17302	399662.79
3736271.95	0.17544		
399682.79	3736271.95	0.17827	399702.79
3736271.95	0.18148		
399722.79	3736271.95	0.18458	399742.79
3736271.95	0.18911		
399762.79	3736271.95	0.19317	399782.79
3736271.95	0.19943		

3736291.95	399102.79	3736291.95	0.15684	399122.79
3736291.95	0.15724			
3736291.95	399142.79	3736291.95	0.15649	399162.79
3736291.95	0.15727			
3736291.95	399182.79	3736291.95	0.15553	399202.79
3736291.95	0.15311			
3736291.95	399222.79	3736291.95	0.15577	399242.79
3736291.95	0.15788			
3736291.95	399262.79	3736291.95	0.15891	399282.79
3736291.95	0.15940			
3736291.95	399302.79	3736291.95	0.15975	399322.79
3736291.95	0.16014			
3736291.95	399342.79	3736291.95	0.16013	399362.79
3736291.95	0.16024			
3736291.95	399382.79	3736291.95	0.16068	399402.79
3736291.95	0.16054			
3736291.95	399422.79	3736291.95	0.16071	399442.79
3736291.95	0.16086			
3736291.95	399462.79	3736291.95	0.16133	399482.79
3736291.95	0.16194			
3736291.95	399502.79	3736291.95	0.16301	399522.79
3736291.95	0.16437			
3736291.95	399542.79	3736291.95	0.16531	399562.79
3736291.95	0.16684			
3736291.95	399582.79	3736291.95	0.16815	399602.79
3736291.95	0.16972			
3736291.95	399622.79	3736291.95	0.17149	399642.79
3736291.95	0.17397			
3736291.95	399662.79	3736291.95	0.17596	399682.79
3736291.95	0.17917			
3736291.95	399702.79	3736291.95	0.18167	399722.79
3736291.95	0.18539			
3736291.95	399742.79	3736291.95	0.18919	399762.79
3736291.95	0.19304			
3736291.95	399782.79	3736291.95	0.20054	399802.79
3736291.95	0.20810			
3736291.95	399822.79	3736291.95	0.21528	399842.79
3736291.95	0.22378			
3736291.95	399862.79	3736291.95	0.23287	399882.79
3736291.95	0.24292			
3736291.95	399902.79	3736291.95	0.25403	399922.79
3736291.95	0.26738			
3736311.95	398682.79	3736311.95	0.13815	398702.79
3736311.95	0.14311			
3736311.95	398722.79	3736311.95	0.14400	398742.79
3736311.95	0.14488			
3736311.95	398762.79	3736311.95	0.14577	398782.79
3736311.95	0.14666			
3736311.95	398802.79	3736311.95	0.14618	398822.79
3736311.95	0.14844			

3736311.95	399402.79	3736311.95	0.16150	399422.79
	0.16157			
3736311.95	399442.79	3736311.95	0.16178	399462.79
	0.16214			
3736311.95	399482.79	3736311.95	0.16253	399502.79
	0.16336			
3736311.95	399522.79	3736311.95	0.16458	399542.79
	0.16619			
3736311.95	399562.79	3736311.95	0.16771	399582.79
	0.16858			
3736311.95	399602.79	3736311.95	0.17007	399622.79
	0.17259			
3736311.95	399642.79	3736311.95	0.17452	399662.79
	0.17683			
3736311.95	399682.79	3736311.95	0.17965	399702.79
	0.18243			
3736311.95	399722.79	3736311.95	0.18643	399742.79
	0.18877			
3736311.95	399762.79	3736311.95	0.19351	399782.79
	0.20070			
3736311.95	399802.79	3736311.95	0.20775	399822.79
	0.21479			
3736311.95	399842.79	3736311.95	0.22249	399862.79
	0.23044			
3736311.95	399882.79	3736311.95	0.23938	399902.79
	0.24982			
3736331.95	399922.79	3736311.95	0.26120	398682.79
	0.13798			
3736331.95	398702.79	3736331.95	0.14292	398722.79
	0.14361			
3736331.95	398742.79	3736331.95	0.14470	398762.79
	0.14560			
3736331.95	398782.79	3736331.95	0.14627	398802.79
	0.14717			
3736331.95	398822.79	3736331.95	0.14801	398842.79
	0.14918			
3736331.95	398862.79	3736331.95	0.14360	398882.79
	0.14756			
3736331.95	398902.79	3736331.95	0.14996	398922.79
	0.15122			
3736331.95	398942.79	3736331.95	0.15232	398962.79
	0.15326			
3736331.95	398982.79	3736331.95	0.15431	399002.79
	0.15452			
3736331.95	399022.79	3736331.95	0.15527	399042.79
	0.15565			
3736331.95	399062.79	3736331.95	0.15615	399082.79
	0.15666			
3736331.95	399102.79	3736331.95	0.15731	399122.79
	0.15744			

3736331.95	399142.79	3736331.95	0.15724	399162.79
	0.15852			
3736331.95	399182.79	3736331.95	0.15836	399202.79
	0.15897			
3736331.95	399222.79	3736331.95	0.15900	399242.79
	0.15665			
3736331.95	399262.79	3736331.95	0.15448	399282.79
	0.15769			
3736331.95	399302.79	3736331.95	0.16001	399322.79
	0.16082			
3736331.95	399342.79	3736331.95	0.16151	399362.79
	0.16197			
3736331.95	399382.79	3736331.95	0.16215	399402.79
	0.16220			
3736331.95	399422.79	3736331.95	0.16257	399442.79
	0.16283			
3736331.95	399462.79	3736331.95	0.16317	399482.79
	0.16332			
3736331.95	399502.79	3736331.95	0.16428	399522.79
	0.16530			
3736331.95	399542.79	3736331.95	0.16636	399562.79
	0.16836			
3736331.95	399582.79	3736331.95	0.17029	399602.79
	0.17166			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

3736331.95	399622.79	3736331.95	0.17364	399642.79
	0.17558			
3736331.95	399662.79	3736331.95	0.17765	399682.79
	0.18081			

399702.79	3736331.95	0.18387	399722.79
3736331.95	0.18577		
399742.79	3736331.95	0.18917	399762.79
3736331.95	0.19467		
399782.79	3736331.95	0.20071	399802.79
3736331.95	0.20737		
399822.79	3736331.95	0.21433	399842.79
3736331.95	0.22117		
399862.79	3736331.95	0.22847	399882.79
3736331.95	0.23678		
399902.79	3736331.95	0.24591	399922.79
3736331.95	0.25734		
399982.79	3736331.95	0.31043	400162.79
3736331.95	0.93603		
400182.79	3736331.95	1.08718	398682.79
3736351.95	0.13784		
398702.79	3736351.95	0.14276	398722.79
3736351.95	0.14336		
398742.79	3736351.95	0.14456	398762.79
3736351.95	0.14546		
398782.79	3736351.95	0.14629	398802.79
3736351.95	0.14708		
398822.79	3736351.95	0.14818	398842.79
3736351.95	0.14904		
398862.79	3736351.95	0.14300	398882.79
3736351.95	0.14786		
398902.79	3736351.95	0.15011	398922.79
3736351.95	0.15155		
398942.79	3736351.95	0.15255	398962.79
3736351.95	0.15337		
398982.79	3736351.95	0.15418	399002.79
3736351.95	0.15520		
399022.79	3736351.95	0.15610	399042.79
3736351.95	0.15682		
399062.79	3736351.95	0.15673	399082.79
3736351.95	0.15723		
399102.79	3736351.95	0.15747	399122.79
3736351.95	0.15735		
399142.79	3736351.95	0.15795	399162.79
3736351.95	0.15890		
399182.79	3736351.95	0.15921	399202.79
3736351.95	0.15965		
399222.79	3736351.95	0.15987	399242.79
3736351.95	0.15996		
399262.79	3736351.95	0.15894	399282.79
3736351.95	0.15590		
399302.79	3736351.95	0.15719	399322.79
3736351.95	0.16105		
399342.79	3736351.95	0.16224	399362.79
3736351.95	0.16284		

3736351.95	399382.79	3736351.95	0.16276	399402.79
3736351.95	0.16315			
3736351.95	399422.79	3736351.95	0.16362	399442.79
3736351.95	0.16399			
3736351.95	399462.79	3736351.95	0.16455	399482.79
3736351.95	0.16487			
3736351.95	399502.79	3736351.95	0.16530	399522.79
3736351.95	0.16623			
3736351.95	399542.79	3736351.95	0.16735	399562.79
3736351.95	0.16852			
3736351.95	399582.79	3736351.95	0.17053	399602.79
3736351.95	0.17340			
3736351.95	399622.79	3736351.95	0.17462	399642.79
3736351.95	0.17711			
3736351.95	399662.79	3736351.95	0.17873	399682.79
3736351.95	0.18130			
3736351.95	399702.79	3736351.95	0.18397	399722.79
3736351.95	0.18632			
3736351.95	399742.79	3736351.95	0.19049	399762.79
3736351.95	0.19600			
3736351.95	399782.79	3736351.95	0.20110	399802.79
3736351.95	0.20702			
3736351.95	399822.79	3736351.95	0.21325	399842.79
3736351.95	0.21982			
3736351.95	399862.79	3736351.95	0.22700	399882.79
3736351.95	0.23401			

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

3736351.95	399902.79	3736351.95	0.24237	399922.79
3736351.95	0.25456			

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3736351.95	0.28661		
399982.79	3736351.95	0.30691	400002.79
3736351.95	0.33102		
400022.79	3736351.95	0.36097	400042.79
3736351.95	0.39832		
400062.79	3736351.95	0.44492	400082.79
3736351.95	0.50066		
400102.79	3736351.95	0.57327	400122.79
3736351.95	0.65945		
400142.79	3736351.95	0.76133	400162.79
3736351.95	0.87916		
400182.79	3736351.95	1.01274	398682.79
3736371.95	0.13777		
398702.79	3736371.95	0.14264	398722.79
3736371.95	0.14354		
398742.79	3736371.95	0.14383	398762.79
3736371.95	0.14537		
398782.79	3736371.95	0.14628	398802.79
3736371.95	0.14720		
398822.79	3736371.95	0.14794	398842.79
3736371.95	0.14894		
398862.79	3736371.95	0.14281	398882.79
3736371.95	0.14814		
398902.79	3736371.95	0.15018	398922.79
3736371.95	0.15151		
398942.79	3736371.95	0.15244	398962.79
3736371.95	0.15348		
398982.79	3736371.95	0.15429	399002.79
3736371.95	0.15508		
399022.79	3736371.95	0.15612	399042.79
3736371.95	0.15687		
399062.79	3736371.95	0.15709	399082.79
3736371.95	0.15706		
399102.79	3736371.95	0.15740	399122.79
3736371.95	0.15833		
399142.79	3736371.95	0.15941	399162.79
3736371.95	0.15924		
399182.79	3736371.95	0.15983	399202.79
3736371.95	0.16029		
399222.79	3736371.95	0.16059	399242.79
3736371.95	0.16005		
399262.79	3736371.95	0.16099	399282.79
3736371.95	0.16123		
399302.79	3736371.95	0.15896	399322.79
3736371.95	0.15703		
399342.79	3736371.95	0.16094	399362.79
3736371.95	0.16336		
399382.79	3736371.95	0.16369	399402.79
3736371.95	0.16422		

399422.79	3736371.95	0.16511	399442.79
3736371.95	0.16562		
399462.79	3736371.95	0.16632	399482.79
3736371.95	0.16682		
399502.79	3736371.95	0.16724	399522.79
3736371.95	0.16758		
399542.79	3736371.95	0.16855	399562.79
3736371.95	0.16982		
399582.79	3736371.95	0.17112	399602.79
3736371.95	0.17305		
399622.79	3736371.95	0.17580	399642.79
3736371.95	0.17798		
399662.79	3736371.95	0.17995	399682.79
3736371.95	0.18215		
399702.79	3736371.95	0.18390	399722.79
3736371.95	0.18842		
399742.79	3736371.95	0.19319	399762.79
3736371.95	0.19738		
399782.79	3736371.95	0.20186	399802.79
3736371.95	0.20700		
399822.79	3736371.95	0.21273	399842.79
3736371.95	0.21882		
399862.79	3736371.95	0.22546	399882.79
3736371.95	0.23183		
399902.79	3736371.95	0.24043	399922.79
3736371.95	0.25171		
399942.79	3736371.95	0.26625	399962.79
3736371.95	0.28347		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
***
VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): STCK1 ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

3736371.95	399982.79	3736371.95	0.30341	400002.79
	0.32717			
3736371.95	400022.79	3736371.95	0.35646	400042.79
	0.39260			
3736371.95	400062.79	3736371.95	0.43705	400082.79
	0.48912			
3736371.95	400102.79	3736371.95	0.55415	400122.79
	0.63547			
3736371.95	400142.79	3736371.95	0.72717	400162.79
	0.82900			
3736391.95	400182.79	3736371.95	0.94513	398682.79
	0.13774			
3736391.95	398702.79	3736391.95	0.14255	398722.79
	0.14346			
3736391.95	398742.79	3736391.95	0.14392	398762.79
	0.14531			
3736391.95	398782.79	3736391.95	0.14623	398802.79
	0.14717			
3736391.95	398822.79	3736391.95	0.14810	398842.79
	0.14903			
3736391.95	398862.79	3736391.95	0.14275	398882.79
	0.14844			
3736391.95	398902.79	3736391.95	0.14989	398922.79
	0.15098			
3736391.95	398942.79	3736391.95	0.15187	398962.79
	0.15306			
3736391.95	398982.79	3736391.95	0.15448	399002.79
	0.15530			
3736391.95	399022.79	3736391.95	0.15600	399042.79
	0.15644			
3736391.95	399062.79	3736391.95	0.15685	399082.79
	0.15769			
3736391.95	399102.79	3736391.95	0.15880	399122.79
	0.15951			
3736391.95	399142.79	3736391.95	0.15942	399162.79
	0.15953			
3736391.95	399182.79	3736391.95	0.16024	399202.79
	0.16087			
3736391.95	399222.79	3736391.95	0.16085	399242.79
	0.16137			
3736391.95	399262.79	3736391.95	0.16213	399282.79
	0.16240			
3736391.95	399302.79	3736391.95	0.16304	399322.79
	0.16214			
3736391.95	399342.79	3736391.95	0.15857	399362.79
	0.16076			
3736391.95	399382.79	3736391.95	0.16424	399402.79
	0.16557			
3736391.95	399422.79	3736391.95	0.16632	399442.79
	0.16664			

400062.79	3736391.95	0.42915	400082.79
3736391.95	0.47790		
400102.79	3736391.95	0.53707	400122.79
3736391.95	0.61022		
400142.79	3736391.95	0.69288	400162.79
3736391.95	0.78477		
400182.79	3736391.95	0.88389	398682.79
3736411.95	0.13777		
398702.79	3736411.95	0.14249	398722.79
3736411.95	0.14342		
398742.79	3736411.95	0.14435	398762.79
3736411.95	0.14529		
398782.79	3736411.95	0.14622	398802.79
3736411.95	0.14717		
398822.79	3736411.95	0.14812	398842.79
3736411.95	0.14907		
398862.79	3736411.95	0.14288	398882.79
3736411.95	0.14872		
398902.79	3736411.95	0.14982	398922.79
3736411.95	0.15080		
398942.79	3736411.95	0.15187	398962.79
3736411.95	0.15297		
398982.79	3736411.95	0.15447	399002.79
3736411.95	0.15552		
399022.79	3736411.95	0.15562	399042.79
3736411.95	0.15669		
399062.79	3736411.95	0.15818	399082.79
3736411.95	0.15894		
399102.79	3736411.95	0.15920	399122.79
3736411.95	0.15984		
399142.79	3736411.95	0.15977	399162.79
3736411.95	0.15989		
399182.79	3736411.95	0.16038	399202.79
3736411.95	0.16113		
399222.79	3736411.95	0.16150	399242.79
3736411.95	0.16274		
399262.79	3736411.95	0.16322	399282.79
3736411.95	0.16395		
399302.79	3736411.95	0.16410	399322.79
3736411.95	0.16451		
399342.79	3736411.95	0.16482	399362.79
3736411.95	0.16212		
399382.79	3736411.95	0.16077	399402.79
3736411.95	0.16514		
399422.79	3736411.95	0.16759	399442.79
3736411.95	0.16816		
399462.79	3736411.95	0.16842	399482.79
3736411.95	0.16915		

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3736411.95	400142.79	3736411.95	0.65992	400162.79
3736431.95	400182.79	3736411.95	0.82850	398682.79
3736431.95	398702.79	3736431.95	0.14247	398722.79
3736431.95	398742.79	3736431.95	0.14267	398762.79
3736431.95	398782.79	3736431.95	0.14577	398802.79
3736431.95	398822.79	3736431.95	0.14627	398842.79
3736431.95	398862.79	3736431.95	0.14275	398882.79
3736431.95	398902.79	3736431.95	0.14983	398922.79
3736431.95	398942.79	3736431.95	0.15197	398962.79
3736431.95	398982.79	3736431.95	0.15474	399002.79
3736431.95	399022.79	3736431.95	0.15587	399042.79
3736431.95	399062.79	3736431.95	0.15861	399082.79
3736431.95	399102.79	3736431.95	0.16005	399122.79
3736431.95	399142.79	3736431.95	0.16033	399162.79
3736431.95	399182.79	3736431.95	0.16095	399202.79
3736431.95	399222.79	3736431.95	0.16231	399242.79
3736431.95	399262.79	3736431.95	0.16440	399282.79
3736431.95	399302.79	3736431.95	0.16590	399322.79
3736431.95	399342.79	3736431.95	0.16730	399362.79
3736431.95	399382.79	3736431.95	0.16636	399402.79
3736431.95	399422.79	3736431.95	0.16544	399442.79
3736431.95	399462.79	3736431.95	0.17045	399482.79
3736431.95	399502.79	3736431.95	0.17188	399522.79
3736431.95		0.17326		

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398702.79	3736451.95	0.14247	398722.79
3736451.95	0.14279		
398742.79	3736451.95	0.14425	398762.79
3736451.95	0.14535		
398782.79	3736451.95	0.14626	398802.79
3736451.95	0.14655		
398822.79	3736451.95	0.14781	398842.79
3736451.95	0.14804		
398862.79	3736451.95	0.14277	398882.79
3736451.95	0.14924		
398902.79	3736451.95	0.15047	398922.79
3736451.95	0.15151		
398942.79	3736451.95	0.15252	398962.79
3736451.95	0.15348		
398982.79	3736451.95	0.15467	399002.79
3736451.95	0.15492		
399022.79	3736451.95	0.15648	399042.79
3736451.95	0.15780		
399062.79	3736451.95	0.15895	399082.79
3736451.95	0.16005		
399102.79	3736451.95	0.16062	399122.79
3736451.95	0.16076		
399142.79	3736451.95	0.16056	399162.79
3736451.95	0.16107		
399182.79	3736451.95	0.16157	399202.79
3736451.95	0.16235		
399222.79	3736451.95	0.16307	399242.79
3736451.95	0.16385		
399262.79	3736451.95	0.16508	399282.79
3736451.95	0.16601		
399302.79	3736451.95	0.16676	399322.79
3736451.95	0.16756		
399342.79	3736451.95	0.16775	399362.79
3736451.95	0.16822		
399382.79	3736451.95	0.16943	399402.79
3736451.95	0.16893		
399422.79	3736451.95	0.16619	399442.79
3736451.95	0.16558		
399462.79	3736451.95	0.17017	399482.79
3736451.95	0.17236		
399502.79	3736451.95	0.17355	399522.79
3736451.95	0.17418		
399542.79	3736451.95	0.17536	399562.79
3736451.95	0.17629		

399582.79	3736451.95	0.17759	399602.79
3736451.95	0.17883		
399622.79	3736451.95	0.18020	399642.79
3736451.95	0.18022		
399662.79	3736451.95	0.18190	399682.79
3736451.95	0.18484		
399702.79	3736451.95	0.18794	399722.79
3736451.95	0.19143		
399742.79	3736451.95	0.19430	399762.79
3736451.95	0.19789		
399782.79	3736451.95	0.20002	399802.79
3736451.95	0.20314		
399822.79	3736451.95	0.20636	399842.79
3736451.95	0.21152		
399862.79	3736451.95	0.21807	399882.79
3736451.95	0.22594		
399902.79	3736451.95	0.23611	399922.79
3736451.95	0.24745		
399942.79	3736451.95	0.26052	399962.79
3736451.95	0.27641		
399982.79	3736451.95	0.29438	400002.79
3736451.95	0.31535		
400022.79	3736451.95	0.33909	400042.79
3736451.95	0.36680		
400062.79	3736451.95	0.40210	400082.79
3736451.95	0.44458		
400102.79	3736451.95	0.49139	400122.79
3736451.95	0.54360		
400142.79	3736451.95	0.60197	400162.79
3736451.95	0.66529		
400182.79	3736451.95	0.73317	398682.79
3736471.95	0.13813		
398702.79	3736471.95	0.14251	398722.79
3736471.95	0.14304		
398742.79	3736471.95	0.14438	398762.79
3736471.95	0.14542		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398782.79	3736471.95	0.14624	398802.79
3736471.95	0.14686		
398822.79	3736471.95	0.14833	398842.79
3736471.95	0.14799		
398862.79	3736471.95	0.14256	398882.79
3736471.95	0.14900		
398902.79	3736471.95	0.15076	398922.79
3736471.95	0.15190		
398942.79	3736471.95	0.15289	398962.79
3736471.95	0.15374		
398982.79	3736471.95	0.15480	399002.79
3736471.95	0.15513		
399022.79	3736471.95	0.15714	399042.79
3736471.95	0.15830		
399062.79	3736471.95	0.16003	399082.79
3736471.95	0.16066		
399102.79	3736471.95	0.16101	399122.79
3736471.95	0.16175		
399142.79	3736471.95	0.16196	399162.79
3736471.95	0.16178		
399182.79	3736471.95	0.16238	399202.79
3736471.95	0.16316		
399222.79	3736471.95	0.16399	399242.79
3736471.95	0.16480		
399262.79	3736471.95	0.16611	399282.79
3736471.95	0.16724		
399302.79	3736471.95	0.16812	399322.79
3736471.95	0.16926		
399342.79	3736471.95	0.16938	399362.79
3736471.95	0.16982		
399382.79	3736471.95	0.17051	399402.79
3736471.95	0.17085		
399422.79	3736471.95	0.17191	399442.79
3736471.95	0.17087		
399462.79	3736471.95	0.16719	399482.79
3736471.95	0.17073		
399502.79	3736471.95	0.17401	399522.79
3736471.95	0.17536		
399542.79	3736471.95	0.17660	399562.79
3736471.95	0.17751		
399582.79	3736471.95	0.17856	399602.79
3736471.95	0.17942		

399622.79	3736471.95	0.18021	399642.79
3736471.95	0.18108		
399662.79	3736471.95	0.18319	399682.79
3736471.95	0.18620		
399702.79	3736471.95	0.18863	399722.79
3736471.95	0.19167		
399742.79	3736471.95	0.19444	399762.79
3736471.95	0.19741		
399782.79	3736471.95	0.20011	399802.79
3736471.95	0.20192		
399822.79	3736471.95	0.20579	399842.79
3736471.95	0.21156		
399862.79	3736471.95	0.21852	399882.79
3736471.95	0.22796		
399902.79	3736471.95	0.23708	399922.79
3736471.95	0.24795		
399942.79	3736471.95	0.26063	399962.79
3736471.95	0.27552		
399982.79	3736471.95	0.29308	400002.79
3736471.95	0.31315		
400022.79	3736471.95	0.33563	400042.79
3736471.95	0.36171		
400062.79	3736471.95	0.39602	400082.79
3736471.95	0.43438		
400102.79	3736471.95	0.47625	400122.79
3736471.95	0.52339		
400142.79	3736471.95	0.57571	400162.79
3736471.95	0.63249		
400182.79	3736471.95	0.69218	398682.79
3736491.95	0.13809		
398702.79	3736491.95	0.14257	398722.79
3736491.95	0.14338		
398742.79	3736491.95	0.14454	398762.79
3736491.95	0.14553		
398782.79	3736491.95	0.14653	398802.79
3736491.95	0.14754		
398822.79	3736491.95	0.14857	398842.79
3736491.95	0.14807		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
***
VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398862.79	3736491.95	0.14219	398882.79
3736491.95	0.14897		
398902.79	3736491.95	0.15096	398922.79
3736491.95	0.15207		
398942.79	3736491.95	0.15319	398962.79
3736491.95	0.15404		
398982.79	3736491.95	0.15495	399002.79
3736491.95	0.15571		
399022.79	3736491.95	0.15761	399042.79
3736491.95	0.15919		
399062.79	3736491.95	0.16045	399082.79
3736491.95	0.16094		
399102.79	3736491.95	0.16190	399122.79
3736491.95	0.16231		
399142.79	3736491.95	0.16277	399162.79
3736491.95	0.16260		
399182.79	3736491.95	0.16377	399202.79
3736491.95	0.16408		
399222.79	3736491.95	0.16493	399242.79
3736491.95	0.16586		
399262.79	3736491.95	0.16771	399282.79
3736491.95	0.16863		
399302.79	3736491.95	0.16945	399322.79
3736491.95	0.17001		
399342.79	3736491.95	0.17073	399362.79
3736491.95	0.17100		
399382.79	3736491.95	0.17172	399402.79
3736491.95	0.17221		
399422.79	3736491.95	0.17355	399442.79
3736491.95	0.17445		
399462.79	3736491.95	0.17434	399482.79
3736491.95	0.17061		
399502.79	3736491.95	0.17083	399522.79
3736491.95	0.17541		
399542.79	3736491.95	0.17712	399562.79
3736491.95	0.17827		
399582.79	3736491.95	0.17969	399602.79
3736491.95	0.18056		
399622.79	3736491.95	0.18065	399642.79
3736491.95	0.18359		

399662.79	3736491.95	0.18592	399682.79
3736491.95	0.18749		
399702.79	3736491.95	0.18971	399722.79
3736491.95	0.19218		
399742.79	3736491.95	0.19459	399762.79
3736491.95	0.19741		
399782.79	3736491.95	0.20030	399802.79
3736491.95	0.20159		
399822.79	3736491.95	0.20613	399842.79
3736491.95	0.21206		
399862.79	3736491.95	0.21954	399882.79
3736491.95	0.22834		
399902.79	3736491.95	0.23744	399922.79
3736491.95	0.24778		
399942.79	3736491.95	0.26006	399962.79
3736491.95	0.27463		
399982.79	3736491.95	0.29159	400002.79
3736491.95	0.31010		
400022.79	3736491.95	0.33108	400042.79
3736491.95	0.35624		
400062.79	3736491.95	0.38807	400082.79
3736491.95	0.42370		
400102.79	3736491.95	0.46179	400122.79
3736491.95	0.50440		
400142.79	3736491.95	0.55132	400162.79
3736491.95	0.60199		
400182.79	3736491.95	0.65505	398682.79
3736511.95	0.13807		
398702.79	3736511.95	0.14266	398722.79
3736511.95	0.14359		
398742.79	3736511.95	0.14462	398762.79
3736511.95	0.14564		
398782.79	3736511.95	0.14669	398802.79
3736511.95	0.14772		
398822.79	3736511.95	0.14876	398842.79
3736511.95	0.14806		
398862.79	3736511.95	0.14279	398882.79
3736511.95	0.14932		
398902.79	3736511.95	0.15084	398922.79
3736511.95	0.15192		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398942.79	3736511.95	0.15305	398962.79
3736511.95	0.15400		
398982.79	3736511.95	0.15474	399002.79
3736511.95	0.15630		
399022.79	3736511.95	0.15809	399042.79
3736511.95	0.15988		
399062.79	3736511.95	0.16020	399082.79
3736511.95	0.16140		
399102.79	3736511.95	0.16225	399122.79
3736511.95	0.16295		
399142.79	3736511.95	0.16274	399162.79
3736511.95	0.16404		
399182.79	3736511.95	0.16562	399202.79
3736511.95	0.16609		
399222.79	3736511.95	0.16609	399242.79
3736511.95	0.16801		
399262.79	3736511.95	0.16882	399282.79
3736511.95	0.16998		
399302.79	3736511.95	0.17023	399322.79
3736511.95	0.17109		
399342.79	3736511.95	0.17176	399362.79
3736511.95	0.17178		
399382.79	3736511.95	0.17252	399402.79
3736511.95	0.17360		
399422.79	3736511.95	0.17487	399442.79
3736511.95	0.17518		
399462.79	3736511.95	0.17623	399482.79
3736511.95	0.17565		
399502.79	3736511.95	0.17532	399522.79
3736511.95	0.17197		
399542.79	3736511.95	0.17595	399562.79
3736511.95	0.17908		
399582.79	3736511.95	0.18032	399602.79
3736511.95	0.18028		
399622.79	3736511.95	0.18238	399642.79
3736511.95	0.18479		
399662.79	3736511.95	0.18699	399682.79
3736511.95	0.18837		

399702.79	3736511.95	0.19050	399722.79
3736511.95	0.19238		
399742.79	3736511.95	0.19493	399762.79
3736511.95	0.19711		
399782.79	3736511.95	0.19955	399802.79
3736511.95	0.20172		
399822.79	3736511.95	0.20627	399842.79
3736511.95	0.21329		
399862.79	3736511.95	0.22132	399882.79
3736511.95	0.22879		
399902.79	3736511.95	0.23753	399922.79
3736511.95	0.24755		
399942.79	3736511.95	0.25969	399962.79
3736511.95	0.27363		
399982.79	3736511.95	0.29019	400002.79
3736511.95	0.30720		
400022.79	3736511.95	0.32674	400042.79
3736511.95	0.35119		
400062.79	3736511.95	0.38069	400082.79
3736511.95	0.41338		
400102.79	3736511.95	0.44805	400122.79
3736511.95	0.48658		
400142.79	3736511.95	0.52876	400162.79
3736511.95	0.57392		
400182.79	3736511.95	0.62139	398682.79
3736531.95	0.13812		
398702.79	3736531.95	0.14277	398722.79
3736531.95	0.14284		
398742.79	3736531.95	0.14410	398762.79
3736531.95	0.14559		
398782.79	3736531.95	0.14687	398802.79
3736531.95	0.14792		
398822.79	3736531.95	0.14898	398842.79
3736531.95	0.14827		
398862.79	3736531.95	0.14280	398882.79
3736531.95	0.15024		
398902.79	3736531.95	0.15094	398922.79
3736531.95	0.15181		
398942.79	3736531.95	0.15294	398962.79
3736531.95	0.15399		
398982.79	3736531.95	0.15472	399002.79
3736531.95	0.15658		

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▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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VALUES FOR SOURCE GROUP: ALL

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399022.79	3736531.95	0.15846	399042.79
3736531.95	0.15943		
399062.79	3736531.95	0.15975	399082.79
3736531.95	0.16102		
399102.79	3736531.95	0.16283	399122.79
3736531.95	0.16310		
399142.79	3736531.95	0.16353	399162.79
3736531.95	0.16566		
399182.79	3736531.95	0.16637	399202.79
3736531.95	0.16751		
399222.79	3736531.95	0.16805	399242.79
3736531.95	0.16939		
399262.79	3736531.95	0.17010	399282.79
3736531.95	0.17119		
399302.79	3736531.95	0.17135	399322.79
3736531.95	0.17228		
399342.79	3736531.95	0.17298	399362.79
3736531.95	0.17375		
399382.79	3736531.95	0.17310	399402.79
3736531.95	0.17530		
399422.79	3736531.95	0.17561	399442.79
3736531.95	0.17638		
399462.79	3736531.95	0.17634	399482.79
3736531.95	0.17765		
399502.79	3736531.95	0.17863	399522.79
3736531.95	0.17874		
399542.79	3736531.95	0.17528	399562.79
3736531.95	0.17587		
399582.79	3736531.95	0.17992	399602.79
3736531.95	0.18207		
399622.79	3736531.95	0.18457	399642.79
3736531.95	0.18621		
399662.79	3736531.95	0.18760	399682.79
3736531.95	0.18901		
399702.79	3736531.95	0.19103	399722.79
3736531.95	0.19271		

399742.79	3736531.95	0.19533	399762.79
3736531.95	0.19724		
399782.79	3736531.95	0.19886	399802.79
3736531.95	0.20233		
399822.79	3736531.95	0.20654	399842.79
3736531.95	0.21376		
399862.79	3736531.95	0.22187	399882.79
3736531.95	0.22913		
399902.79	3736531.95	0.23798	399922.79
3736531.95	0.24744		
399942.79	3736531.95	0.25870	399962.79
3736531.95	0.27174		
399982.79	3736531.95	0.28611	400002.79
3736531.95	0.30321		
400022.79	3736531.95	0.32326	400042.79
3736531.95	0.34692		
400062.79	3736531.95	0.37388	400082.79
3736531.95	0.40350		
400102.79	3736531.95	0.43507	400122.79
3736531.95	0.46990		
400142.79	3736531.95	0.50789	400162.79
3736531.95	0.54853		
400182.79	3736531.95	0.59083	398682.79
3736551.95	0.13822		
398702.79	3736551.95	0.14290	398722.79
3736551.95	0.14327		
398742.79	3736551.95	0.14480	398762.79
3736551.95	0.14601		
398782.79	3736551.95	0.14707	398802.79
3736551.95	0.14813		
398822.79	3736551.95	0.14921	398842.79
3736551.95	0.14843		
398862.79	3736551.95	0.14314	398882.79
3736551.95	0.15087		
398902.79	3736551.95	0.15157	398922.79
3736551.95	0.15237		
398942.79	3736551.95	0.15346	398962.79
3736551.95	0.15441		
398982.79	3736551.95	0.15533	399002.79
3736551.95	0.15777		
399022.79	3736551.95	0.15895	399042.79
3736551.95	0.15933		
399062.79	3736551.95	0.16013	399082.79
3736551.95	0.16110		

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▲ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***
10:15:03

```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399102.79	3736551.95	0.16223	399122.79
3736551.95	0.16299		
399142.79	3736551.95	0.16533	399162.79
3736551.95	0.16634		
399182.79	3736551.95	0.16738	399202.79
3736551.95	0.16807		
399222.79	3736551.95	0.16936	399242.79
3736551.95	0.17022		
399262.79	3736551.95	0.17108	399282.79
3736551.95	0.17132		
399302.79	3736551.95	0.17266	399322.79
3736551.95	0.17374		
399342.79	3736551.95	0.17410	399362.79
3736551.95	0.17436		
399382.79	3736551.95	0.17397	399402.79
3736551.95	0.17525		
399422.79	3736551.95	0.17702	399442.79
3736551.95	0.17702		
399462.79	3736551.95	0.17760	399482.79
3736551.95	0.17930		
399502.79	3736551.95	0.17968	399522.79
3736551.95	0.18079		
399542.79	3736551.95	0.18091	399562.79
3736551.95	0.17942		
399582.79	3736551.95	0.17648	399602.79
3736551.95	0.18121		
399622.79	3736551.95	0.18553	399642.79
3736551.95	0.18692		
399662.79	3736551.95	0.18811	399682.79
3736551.95	0.18958		
399702.79	3736551.95	0.19076	399722.79
3736551.95	0.19232		
399742.79	3736551.95	0.19452	399762.79
3736551.95	0.19616		

399782.79	3736551.95	0.19914	399802.79
3736551.95	0.20255		
399822.79	3736551.95	0.20804	399842.79
3736551.95	0.21490		
399862.79	3736551.95	0.22234	399882.79
3736551.95	0.23005		
399902.79	3736551.95	0.23898	399922.79
3736551.95	0.24805		
399942.79	3736551.95	0.25833	399962.79
3736551.95	0.26996		
399982.79	3736551.95	0.28386	400002.79
3736551.95	0.30190		
400022.79	3736551.95	0.32151	400042.79
3736551.95	0.34412		
400062.79	3736551.95	0.36812	400082.79
3736551.95	0.39407		
400102.79	3736551.95	0.42279	400122.79
3736551.95	0.45434		
400142.79	3736551.95	0.48860	400162.79
3736551.95	0.52512		
400182.79	3736551.95	0.56303	398682.79
3736571.95	0.13844		
398702.79	3736571.95	0.14306	398722.79
3736571.95	0.14360		
398742.79	3736571.95	0.14512	398762.79
3736571.95	0.14621		
398782.79	3736571.95	0.14729	398802.79
3736571.95	0.14837		
398822.79	3736571.95	0.14947	398842.79
3736571.95	0.14860		
398862.79	3736571.95	0.14371	398882.79
3736571.95	0.15142		
398902.79	3736571.95	0.15195	398922.79
3736571.95	0.15264		
398942.79	3736571.95	0.15392	398962.79
3736571.95	0.15450		
398982.79	3736571.95	0.15611	399002.79
3736571.95	0.15813		
399022.79	3736571.95	0.15886	399042.79
3736571.95	0.15970		
399062.79	3736571.95	0.16072	399082.79
3736571.95	0.16172		
399102.79	3736571.95	0.16266	399122.79
3736571.95	0.16377		
399142.79	3736571.95	0.16522	399162.79
3736571.95	0.16701		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***
10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 *** INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399182.79	3736571.95	0.16801	399202.79
3736571.95	0.16892		
399222.79	3736571.95	0.17024	399242.79
3736571.95	0.17098		
399262.79	3736571.95	0.17152	399282.79
3736571.95	0.17231		
399302.79	3736571.95	0.17352	399322.79
3736571.95	0.17422		
399342.79	3736571.95	0.17467	399362.79
3736571.95	0.17422		
399382.79	3736571.95	0.17507	399402.79
3736571.95	0.17587		
399422.79	3736571.95	0.17653	399442.79
3736571.95	0.17723		
399462.79	3736571.95	0.17921	399482.79
3736571.95	0.17991		
399502.79	3736571.95	0.18089	399522.79
3736571.95	0.18134		
399542.79	3736571.95	0.18189	399562.79
3736571.95	0.18236		
399582.79	3736571.95	0.18241	399602.79
3736571.95	0.17925		
399622.79	3736571.95	0.18076	399642.79
3736571.95	0.18540		
399662.79	3736571.95	0.18850	399682.79
3736571.95	0.19047		
399702.79	3736571.95	0.19105	399722.79
3736571.95	0.19227		
399742.79	3736571.95	0.19336	399762.79
3736571.95	0.19629		
399782.79	3736571.95	0.19987	399802.79
3736571.95	0.20394		

3736571.95	399822.79	3736571.95	0.21005	399842.79
		0.21615		
3736571.95	399862.79	3736571.95	0.22312	399882.79
		0.23101		
3736571.95	399902.79	3736571.95	0.23943	399922.79
		0.24850		
3736571.95	399942.79	3736571.95	0.25783	399962.79
		0.26868		
3736571.95	399982.79	3736571.95	0.28345	400002.79
		0.30143		
3736571.95	400022.79	3736571.95	0.32049	400042.79
		0.33987		
3736571.95	400062.79	3736571.95	0.36135	400082.79
		0.38509		
3736571.95	400102.79	3736571.95	0.41124	400122.79
		0.43984		
3736571.95	400142.79	3736571.95	0.47078	400162.79
		0.50365		
3736591.95	400182.79	3736571.95	0.53773	398682.79
		0.13866		
3736591.95	398702.79	3736591.95	0.14322	398722.79
		0.14428		
3736591.95	398742.79	3736591.95	0.14535	398762.79
		0.14643		
3736591.95	398782.79	3736591.95	0.14752	398802.79
		0.14862		
3736591.95	398822.79	3736591.95	0.14973	398842.79
		0.14803		
3736591.95	398862.79	3736591.95	0.14476	398882.79
		0.15182		
3736591.95	398902.79	3736591.95	0.15242	398922.79
		0.15337		
3736591.95	398942.79	3736591.95	0.15473	398962.79
		0.15493		
3736591.95	398982.79	3736591.95	0.15704	399002.79
		0.15825		
3736591.95	399022.79	3736591.95	0.15985	399042.79
		0.16030		
3736591.95	399062.79	3736591.95	0.16113	399082.79
		0.16229		
3736591.95	399102.79	3736591.95	0.16336	399122.79
		0.16454		
3736591.95	399142.79	3736591.95	0.16563	399162.79
		0.16682		
3736591.95	399182.79	3736591.95	0.16856	399202.79
		0.16997		
3736591.95	399222.79	3736591.95	0.17096	399242.79
		0.17169		

*** AERMET - VERSION 16216 ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399262.79	3736591.95	0.17184	399282.79
3736591.95	0.17328		
399302.79	3736591.95	0.17431	399322.79
3736591.95	0.17498		
399342.79	3736591.95	0.17500	399362.79
3736591.95	0.17523		
399382.79	3736591.95	0.17612	399402.79
3736591.95	0.17680		
399422.79	3736591.95	0.17729	399442.79
3736591.95	0.17809		
399462.79	3736591.95	0.17932	399482.79
3736591.95	0.18088		
399502.79	3736591.95	0.18178	399522.79
3736591.95	0.18253		
399542.79	3736591.95	0.18334	399562.79
3736591.95	0.18426		
399582.79	3736591.95	0.18519	399602.79
3736591.95	0.18437		
399622.79	3736591.95	0.18305	399642.79
3736591.95	0.18084		
399662.79	3736591.95	0.18672	399682.79
3736591.95	0.19087		
399702.79	3736591.95	0.19159	399722.79
3736591.95	0.19202		
399742.79	3736591.95	0.19409	399762.79
3736591.95	0.19757		
399782.79	3736591.95	0.20217	399802.79
3736591.95	0.20748		
399822.79	3736591.95	0.21234	399842.79
3736591.95	0.21838		

3736591.95	399862.79	3736591.95	0.22476	399882.79
3736591.95	0.23210			
3736591.95	399902.79	3736591.95	0.24028	399922.79
3736591.95	0.24940			
3736591.95	399942.79	3736591.95	0.25775	399962.79
3736591.95	0.26852			
3736591.95	399982.79	3736591.95	0.28404	400002.79
3736591.95	0.30025			
3736591.95	400022.79	3736591.95	0.31718	400042.79
3736591.95	0.33510			
3736591.95	400062.79	3736591.95	0.35484	400082.79
3736591.95	0.37656			
3736591.95	400102.79	3736591.95	0.40038	400122.79
3736591.95	0.42634			
3736591.95	400142.79	3736591.95	0.45425	400162.79
3736591.95	0.48398			
3736611.95	400182.79	3736591.95	0.51469	398682.79
3736611.95	0.14234			
3736611.95	398702.79	3736611.95	0.14324	398722.79
3736611.95	0.14447			
3736611.95	398742.79	3736611.95	0.14556	398762.79
3736611.95	0.14665			
3736611.95	398782.79	3736611.95	0.14776	398802.79
3736611.95	0.14880			
3736611.95	398822.79	3736611.95	0.14968	398842.79
3736611.95	0.14655			
3736611.95	398862.79	3736611.95	0.14750	398882.79
3736611.95	0.15243			
3736611.95	398902.79	3736611.95	0.15338	398922.79
3736611.95	0.15484			
3736611.95	398942.79	3736611.95	0.15583	398962.79
3736611.95	0.15551			
3736611.95	398982.79	3736611.95	0.15765	399002.79
3736611.95	0.15865			
3736611.95	399022.79	3736611.95	0.16018	399042.79
3736611.95	0.16159			
3736611.95	399062.79	3736611.95	0.16211	399082.79
3736611.95	0.16264			
3736611.95	399102.79	3736611.95	0.16399	399122.79
3736611.95	0.16526			
3736611.95	399142.79	3736611.95	0.16646	399162.79
3736611.95	0.16763			
3736611.95	399182.79	3736611.95	0.16931	399202.79
3736611.95	0.17064			
3736611.95	399222.79	3736611.95	0.17134	399242.79
3736611.95	0.17164			
3736611.95	399262.79	3736611.95	0.17276	399282.79
3736611.95	0.17441			
3736611.95	399302.79	3736611.95	0.17530	399322.79
3736611.95	0.17618			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399342.79	3736611.95	0.17636	399362.79
3736611.95	0.17624		
399382.79	3736611.95	0.17700	399402.79
3736611.95	0.17767		
399422.79	3736611.95	0.17836	399442.79
3736611.95	0.17916		
399462.79	3736611.95	0.17965	399482.79
3736611.95	0.18039		
399502.79	3736611.95	0.18255	399522.79
3736611.95	0.18401		
399542.79	3736611.95	0.18393	399562.79
3736611.95	0.18518		
399582.79	3736611.95	0.18525	399602.79
3736611.95	0.18562		
399622.79	3736611.95	0.18646	399642.79
3736611.95	0.18649		
399662.79	3736611.95	0.18370	399682.79
3736611.95	0.18632		
399702.79	3736611.95	0.19071	399722.79
3736611.95	0.19273		
399742.79	3736611.95	0.19570	399762.79
3736611.95	0.19918		
399782.79	3736611.95	0.20413	399802.79
3736611.95	0.20938		
399822.79	3736611.95	0.21401	399842.79
3736611.95	0.21977		
399862.79	3736611.95	0.22580	399882.79
3736611.95	0.23345		

3736611.95	399902.79	3736611.95	0.24063	399922.79
3736611.95	0.24861			
3736611.95	399942.79	3736611.95	0.25724	399962.79
3736611.95	0.26823			
3736611.95	399982.79	3736611.95	0.28332	400002.79
3736611.95	0.29887			
3736611.95	400022.79	3736611.95	0.31394	400042.79
3736611.95	0.33048			
3736611.95	400062.79	3736611.95	0.34861	400082.79
3736611.95	0.36848			
3736611.95	400102.79	3736611.95	0.39019	400122.79
3736611.95	0.41377			
3736611.95	400142.79	3736611.95	0.43911	400162.79
3736611.95	0.46594			
3736631.95	400182.79	3736611.95	0.49314	398682.79
3736631.95	0.14194			
3736631.95	398702.79	3736631.95	0.14353	398722.79
3736631.95	0.14468			
3736631.95	398742.79	3736631.95	0.14577	398762.79
3736631.95	0.14683			
3736631.95	398782.79	3736631.95	0.14800	398802.79
3736631.95	0.14913			
3736631.95	398822.79	3736631.95	0.14936	398842.79
3736631.95	0.14422			
3736631.95	398862.79	3736631.95	0.15101	398882.79
3736631.95	0.15323			
3736631.95	398902.79	3736631.95	0.15419	398922.79
3736631.95	0.15558			
3736631.95	398942.79	3736631.95	0.15603	398962.79
3736631.95	0.15628			
3736631.95	398982.79	3736631.95	0.15807	399002.79
3736631.95	0.15906			
3736631.95	399022.79	3736631.95	0.16046	399042.79
3736631.95	0.16172			
3736631.95	399062.79	3736631.95	0.16297	399082.79
3736631.95	0.16437			
3736631.95	399102.79	3736631.95	0.16478	399122.79
3736631.95	0.16595			
3736631.95	399142.79	3736631.95	0.16737	399162.79
3736631.95	0.16919			
3736631.95	399182.79	3736631.95	0.17034	399202.79
3736631.95	0.17135			
3736631.95	399222.79	3736631.95	0.17176	399242.79
3736631.95	0.17244			
3736631.95	399262.79	3736631.95	0.17383	399282.79
3736631.95	0.17531			
3736631.95	399302.79	3736631.95	0.17590	399322.79
3736631.95	0.17650			
3736631.95	399342.79	3736631.95	0.17736	399362.79
3736631.95	0.17711			

399382.79 3736631.95 0.17755 399402.79
 3736631.95 0.17829
 *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399422.79	3736631.95	0.17926	399442.79
3736631.95	0.17993		
399462.79	3736631.95	0.18050	399482.79
3736631.95	0.18123		
399502.79	3736631.95	0.18379	399522.79
3736631.95	0.18475		
399542.79	3736631.95	0.18526	399562.79
3736631.95	0.18616		
399582.79	3736631.95	0.18540	399602.79
3736631.95	0.18636		
399622.79	3736631.95	0.18785	399642.79
3736631.95	0.18839		
399662.79	3736631.95	0.18872	399682.79
3736631.95	0.18795		
399702.79	3736631.95	0.18709	399722.79
3736631.95	0.19336		
399742.79	3736631.95	0.19675	399762.79
3736631.95	0.20251		
399782.79	3736631.95	0.20648	399802.79
3736631.95	0.21096		
399822.79	3736631.95	0.21539	399842.79
3736631.95	0.22078		
399862.79	3736631.95	0.22674	399882.79
3736631.95	0.23418		
399902.79	3736631.95	0.24143	399922.79
3736631.95	0.24811		

399942.79	3736631.95	0.25684	399962.79
3736631.95	0.26791		
399982.79	3736631.95	0.28192	400002.79
3736631.95	0.29646		
400022.79	3736631.95	0.31071	400042.79
3736631.95	0.32603		
400062.79	3736631.95	0.34247	400082.79
3736631.95	0.35994		
400102.79	3736631.95	0.38065	400122.79
3736631.95	0.40213		
400142.79	3736631.95	0.42483	400162.79
3736631.95	0.44930		
400182.79	3736631.95	0.47418	398682.79
3736651.95	0.14270		
398702.79	3736651.95	0.14346	398722.79
3736651.95	0.14489		
398742.79	3736651.95	0.14599	398762.79
3736651.95	0.14712		
398782.79	3736651.95	0.14825	398802.79
3736651.95	0.14935		
398822.79	3736651.95	0.14887	398842.79
3736651.95	0.14302		
398862.79	3736651.95	0.15208	398882.79
3736651.95	0.15373		
398902.79	3736651.95	0.15471	398922.79
3736651.95	0.15564		
398942.79	3736651.95	0.15578	398962.79
3736651.95	0.15723		
398982.79	3736651.95	0.15848	399002.79
3736651.95	0.15989		
399022.79	3736651.95	0.16086	399042.79
3736651.95	0.16226		
399062.79	3736651.95	0.16367	399082.79
3736651.95	0.16506		
399102.79	3736651.95	0.16609	399122.79
3736651.95	0.16704		
399142.79	3736651.95	0.16858	399162.79
3736651.95	0.16980		
399182.79	3736651.95	0.17114	399202.79
3736651.95	0.17189		
399222.79	3736651.95	0.17207	399242.79
3736651.95	0.17419		
399262.79	3736651.95	0.17558	399282.79
3736651.95	0.17659		
399302.79	3736651.95	0.17707	399322.79
3736651.95	0.17768		
399342.79	3736651.95	0.17875	399362.79
3736651.95	0.17882		
399382.79	3736651.95	0.17849	399402.79
3736651.95	0.17906		

399422.79 3736651.95 0.17986 399442.79
 3736651.95 0.18048
 399462.79 3736651.95 0.18122 399482.79
 3736651.95 0.18349

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399502.79	3736651.95	0.18438	399522.79
3736651.95	0.18525		
399542.79	3736651.95	0.18681	399562.79
3736651.95	0.18630		
399582.79	3736651.95	0.18648	399602.79
3736651.95	0.18753		
399622.79	3736651.95	0.18827	399642.79
3736651.95	0.18864		
399662.79	3736651.95	0.18966	399682.79
3736651.95	0.19143		
399702.79	3736651.95	0.19242	399722.79
3736651.95	0.19199		
399742.79	3736651.95	0.19579	399762.79
3736651.95	0.20385		
399782.79	3736651.95	0.20794	399802.79
3736651.95	0.21236		
399822.79	3736651.95	0.21702	399842.79
3736651.95	0.22151		
399862.79	3736651.95	0.22719	399882.79
3736651.95	0.23378		
399902.79	3736651.95	0.24006	399922.79
3736651.95	0.24786		
399942.79	3736651.95	0.25714	399962.79
3736651.95	0.26831		

3736651.95	399982.79	3736651.95	0.28064	400002.79
3736651.95	0.29421			
3736651.95	400022.79	3736651.95	0.30770	400042.79
3736651.95	0.32175			
3736651.95	400062.79	3736651.95	0.33681	400082.79
3736651.95	0.35249			
3736651.95	400102.79	3736651.95	0.37173	400122.79
3736651.95	0.39125			
3736651.95	400142.79	3736651.95	0.41209	400162.79
3736651.95	0.43369			
3736671.95	400182.79	3736651.95	0.45662	398682.79
3736671.95	0.14288			
3736671.95	398702.79	3736671.95	0.14398	398722.79
3736671.95	0.14509			
3736671.95	398742.79	3736671.95	0.14621	398762.79
3736671.95	0.14702			
3736671.95	398782.79	3736671.95	0.14847	398802.79
3736671.95	0.14950			
3736671.95	398822.79	3736671.95	0.14770	398842.79
3736671.95	0.14587			
3736671.95	398862.79	3736671.95	0.15140	398882.79
3736671.95	0.15364			
3736671.95	398902.79	3736671.95	0.15489	398922.79
3736671.95	0.15578			
3736671.95	398942.79	3736671.95	0.15587	398962.79
3736671.95	0.15800			
3736671.95	398982.79	3736671.95	0.15895	399002.79
3736671.95	0.16060			
3736671.95	399022.79	3736671.95	0.16129	399042.79
3736671.95	0.16236			
3736671.95	399062.79	3736671.95	0.16405	399082.79
3736671.95	0.16535			
3736671.95	399102.79	3736671.95	0.16649	399122.79
3736671.95	0.16794			
3736671.95	399142.79	3736671.95	0.16928	399162.79
3736671.95	0.17038			
3736671.95	399182.79	3736671.95	0.17149	399202.79
3736671.95	0.17211			
3736671.95	399222.79	3736671.95	0.17413	399242.79
3736671.95	0.17490			
3736671.95	399262.79	3736671.95	0.17597	399282.79
3736671.95	0.17678			
3736671.95	399302.79	3736671.95	0.17800	399322.79
3736671.95	0.17894			
3736671.95	399342.79	3736671.95	0.17937	399362.79
3736671.95	0.17976			
3736671.95	399382.79	3736671.95	0.18008	399402.79
3736671.95	0.18037			
3736671.95	399422.79	3736671.95	0.18043	399442.79
3736671.95	0.18096			

399462.79	3736671.95	0.18285	399482.79
3736671.95	0.18423		
399502.79	3736671.95	0.18541	399522.79
3736671.95	0.18594		
399542.79	3736671.95	0.18687	399562.79
3736671.95	0.18682		

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*** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                          ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

399582.79	3736671.95	0.18808	399602.79
3736671.95	0.19098		
399622.79	3736671.95	0.18997	399642.79
3736671.95	0.18974		
399662.79	3736671.95	0.19128	399682.79
3736671.95	0.19271		
399702.79	3736671.95	0.19437	399722.79
3736671.95	0.19743		
399742.79	3736671.95	0.19746	399762.79
3736671.95	0.19810		
399782.79	3736671.95	0.20626	399802.79
3736671.95	0.21258		
399822.79	3736671.95	0.21866	399842.79
3736671.95	0.22285		
399862.79	3736671.95	0.22813	399882.79
3736671.95	0.23313		
399902.79	3736671.95	0.23991	399922.79
3736671.95	0.24905		
399942.79	3736671.95	0.25857	399962.79
3736671.95	0.26926		
399982.79	3736671.95	0.28000	400002.79
3736671.95	0.29220		

400022.79	3736671.95	0.30469	400042.79
3736671.95	0.31756		
400062.79	3736671.95	0.33151	400082.79
3736671.95	0.34591		
400102.79	3736671.95	0.36148	400122.79
3736671.95	0.37941		
400142.79	3736671.95	0.39949	400162.79
3736671.95	0.42005		
400182.79	3736671.95	0.44062	398682.79
3736691.95	0.14294		
398702.79	3736691.95	0.14418	398722.79
3736691.95	0.14530		
398742.79	3736691.95	0.14643	398762.79
3736691.95	0.14757		
398782.79	3736691.95	0.14873	398802.79
3736691.95	0.14951		
398822.79	3736691.95	0.14517	398842.79
3736691.95	0.14948		
398862.79	3736691.95	0.15201	398882.79
3736691.95	0.15345		
398902.79	3736691.95	0.15497	398922.79
3736691.95	0.15586		
398942.79	3736691.95	0.15627	398962.79
3736691.95	0.15815		
398982.79	3736691.95	0.15956	399002.79
3736691.95	0.16084		
399022.79	3736691.95	0.16192	399042.79
3736691.95	0.16312		
399062.79	3736691.95	0.16442	399082.79
3736691.95	0.16544		
399102.79	3736691.95	0.16684	399122.79
3736691.95	0.16833		
399142.79	3736691.95	0.16925	399162.79
3736691.95	0.17087		
399182.79	3736691.95	0.17180	399202.79
3736691.95	0.17294		
399222.79	3736691.95	0.17511	399242.79
3736691.95	0.17586		
399262.79	3736691.95	0.17680	399282.79
3736691.95	0.17755		
399302.79	3736691.95	0.17853	399322.79
3736691.95	0.17919		
399342.79	3736691.95	0.18022	399362.79
3736691.95	0.18041		
399382.79	3736691.95	0.18101	399402.79
3736691.95	0.18189		
399422.79	3736691.95	0.18204	399442.79
3736691.95	0.18208		
399462.79	3736691.95	0.18405	399482.79
3736691.95	0.18488		

3736691.95	399502.79	3736691.95	0.18564	399522.79
			0.18665	
3736691.95	399542.79	3736691.95	0.18814	399562.79
			0.18968	
3736691.95	399582.79	3736691.95	0.19049	399602.79
			0.19181	
3736691.95	399622.79	3736691.95	0.19052	399642.79
			0.19119	

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
3736691.95	399662.79	0.19240	399682.79
		0.19364	
3736691.95	399702.79	0.19602	399722.79
		0.19954	
3736691.95	399742.79	0.20284	399762.79
		0.20482	
3736691.95	399782.79	0.20356	399802.79
		0.21010	
3736691.95	399822.79	0.21944	399842.79
		0.22408	
3736691.95	399862.79	0.22836	399882.79
		0.23341	
3736691.95	399902.79	0.24170	399922.79
		0.25131	
3736691.95	399942.79	0.26105	399962.79
		0.27012	
3736691.95	399982.79	0.28027	400002.79
		0.29074	
3736691.95	400022.79	0.30178	400042.79
		0.31361	

400062.79	3736691.95	0.32606	400082.79
3736691.95	0.33823		
400102.79	3736691.95	0.35262	400122.79
3736691.95	0.37170		
400142.79	3736691.95	0.38898	400162.79
3736691.95	0.40581		
400182.79	3736691.95	0.42580	398682.79
3736711.95	0.14303		
398702.79	3736711.95	0.14437	398722.79
3736711.95	0.14550		
398742.79	3736711.95	0.14664	398762.79
3736711.95	0.14779		
398782.79	3736711.95	0.14884	398802.79
3736711.95	0.14935		
398822.79	3736711.95	0.14374	398842.79
3736711.95	0.15121		
398862.79	3736711.95	0.15239	398882.79
3736711.95	0.15375		
398902.79	3736711.95	0.15479	398922.79
3736711.95	0.15550		
398942.79	3736711.95	0.15658	398962.79
3736711.95	0.15805		
398982.79	3736711.95	0.15939	399002.79
3736711.95	0.16078		
399022.79	3736711.95	0.16227	399042.79
3736711.95	0.16345		
399062.79	3736711.95	0.16465	399082.79
3736711.95	0.16552		
399102.79	3736711.95	0.16700	399122.79
3736711.95	0.16794		
399142.79	3736711.95	0.16954	399162.79
3736711.95	0.17084		
399182.79	3736711.95	0.17248	399202.79
3736711.95	0.17378		
399222.79	3736711.95	0.17511	399242.79
3736711.95	0.17622		
399262.79	3736711.95	0.17731	399282.79
3736711.95	0.17780		
399302.79	3736711.95	0.17914	399322.79
3736711.95	0.17967		
399342.79	3736711.95	0.18013	399362.79
3736711.95	0.18110		
399382.79	3736711.95	0.18208	399402.79
3736711.95	0.18234		
399422.79	3736711.95	0.18288	399442.79
3736711.95	0.18406		
399462.79	3736711.95	0.18454	399482.79
3736711.95	0.18544		
399502.79	3736711.95	0.18660	399522.79
3736711.95	0.18757		

399542.79	3736711.95	0.18994	399562.79
3736711.95	0.19093		
399582.79	3736711.95	0.19201	399602.79
3736711.95	0.19173		
399622.79	3736711.95	0.19099	399642.79
3736711.95	0.19259		
399662.79	3736711.95	0.19303	399682.79
3736711.95	0.19490		
399702.79	3736711.95	0.19310	399722.79
3736711.95	0.20157		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399742.79	3736711.95	0.20743	399762.79
3736711.95	0.20904		
399782.79	3736711.95	0.21015	399802.79
3736711.95	0.21111		
399822.79	3736711.95	0.21379	399842.79
3736711.95	0.22311		
399862.79	3736711.95	0.22910	399882.79
3736711.95	0.23506		
399902.79	3736711.95	0.24386	399922.79
3736711.95	0.25216		
399942.79	3736711.95	0.26118	399962.79
3736711.95	0.26936		
399982.79	3736711.95	0.27838	400002.79
3736711.95	0.28795		
400022.79	3736711.95	0.29873	400042.79
3736711.95	0.30915		
400062.79	3736711.95	0.31915	400082.79
3736711.95	0.33087		

400102.79	3736711.95	0.34784	400122.79
3736711.95	0.36273		
400142.79	3736711.95	0.37872	400162.79
3736711.95	0.39477		
400182.79	3736711.95	0.41219	398682.79
3736731.95	0.14330		
398702.79	3736731.95	0.14455	398722.79
3736731.95	0.14569		
398742.79	3736731.95	0.14684	398762.79
3736731.95	0.14798		
398782.79	3736731.95	0.14915	398802.79
3736731.95	0.14864		
398822.79	3736731.95	0.14462	398842.79
3736731.95	0.15167		
398862.79	3736731.95	0.15276	398882.79
3736731.95	0.15401		
398902.79	3736731.95	0.15488	398922.79
3736731.95	0.15556		
398942.79	3736731.95	0.15776	398962.79
3736731.95	0.15844		
398982.79	3736731.95	0.15959	399002.79
3736731.95	0.16083		
399022.79	3736731.95	0.16199	399042.79
3736731.95	0.16360		
399062.79	3736731.95	0.16490	399082.79
3736731.95	0.16616		
399102.79	3736731.95	0.16736	399122.79
3736731.95	0.16859		
399142.79	3736731.95	0.16993	399162.79
3736731.95	0.17050		
399182.79	3736731.95	0.17251	399202.79
3736731.95	0.17445		
399222.79	3736731.95	0.17539	399242.79
3736731.95	0.17640		
399262.79	3736731.95	0.17680	399282.79
3736731.95	0.17771		
399302.79	3736731.95	0.17896	399322.79
3736731.95	0.18027		
399342.79	3736731.95	0.18110	399362.79
3736731.95	0.18183		
399382.79	3736731.95	0.18250	399402.79
3736731.95	0.18311		
399422.79	3736731.95	0.18400	399442.79
3736731.95	0.18478		
399462.79	3736731.95	0.18526	399482.79
3736731.95	0.18606		
399502.79	3736731.95	0.18654	399522.79
3736731.95	0.18852		
399542.79	3736731.95	0.19058	399562.79
3736731.95	0.19165		

399582.79	3736731.95	0.19281	399602.79
3736731.95	0.19132		
399622.79	3736731.95	0.19189	399642.79
3736731.95	0.19286		
399662.79	3736731.95	0.19446	399682.79
3736731.95	0.19728		
399702.79	3736731.95	0.19757	399722.79
3736731.95	0.20437		
399742.79	3736731.95	0.20922	399762.79
3736731.95	0.20995		
399782.79	3736731.95	0.21254	399802.79
3736731.95	0.21618		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399822.79	3736731.95	0.21921	399842.79
3736731.95	0.22025		
399862.79	3736731.95	0.22836	399882.79
3736731.95	0.23787		
399902.79	3736731.95	0.24698	399922.79
3736731.95	0.25362		
399942.79	3736731.95	0.26117	399962.79
3736731.95	0.26914		
399982.79	3736731.95	0.27707	400002.79
3736731.95	0.28561		
400022.79	3736731.95	0.29546	400042.79
3736731.95	0.30487		
400062.79	3736731.95	0.31334	400082.79
3736731.95	0.32607		
400102.79	3736731.95	0.34131	400122.79
3736731.95	0.35483		

400142.79	3736731.95	0.36914	400162.79
3736731.95	0.38400		
400182.79	3736731.95	0.39966	398682.79
3736751.95	0.14359		
398702.79	3736751.95	0.14472	398722.79
3736751.95	0.14587		
398742.79	3736751.95	0.14702	398762.79
3736751.95	0.14819		
398782.79	3736751.95	0.14932	398802.79
3736751.95	0.14650		
398822.79	3736751.95	0.14732	398842.79
3736751.95	0.15180		
398862.79	3736751.95	0.15310	398882.79
3736751.95	0.15407		
398902.79	3736751.95	0.15502	398922.79
3736751.95	0.15586		
398942.79	3736751.95	0.15806	398962.79
3736751.95	0.15899		
398982.79	3736751.95	0.15995	399002.79
3736751.95	0.16113		
399022.79	3736751.95	0.16217	399042.79
3736751.95	0.16332		
399062.79	3736751.95	0.16475	399082.79
3736751.95	0.16622		
399102.79	3736751.95	0.16766	399122.79
3736751.95	0.16878		
399142.79	3736751.95	0.16960	399162.79
3736751.95	0.17119		
399182.79	3736751.95	0.17239	399202.79
3736751.95	0.17451		
399222.79	3736751.95	0.17575	399242.79
3736751.95	0.17573		
399262.79	3736751.95	0.17662	399282.79
3736751.95	0.17775		
399302.79	3736751.95	0.17905	399322.79
3736751.95	0.18068		
399342.79	3736751.95	0.18204	399362.79
3736751.95	0.18278		
399382.79	3736751.95	0.18330	399402.79
3736751.95	0.18356		
399422.79	3736751.95	0.18448	399442.79
3736751.95	0.18585		
399462.79	3736751.95	0.18589	399482.79
3736751.95	0.18634		
399502.79	3736751.95	0.18732	399522.79
3736751.95	0.18864		
399542.79	3736751.95	0.19108	399562.79
3736751.95	0.19237		
399582.79	3736751.95	0.19363	399602.79
3736751.95	0.19301		

3736751.95	399622.79	3736751.95	0.19276	399642.79
3736751.95	0.19388			
3736751.95	399662.79	3736751.95	0.19645	399682.79
3736751.95	0.20025			
3736751.95	399702.79	3736751.95	0.20268	399722.79
3736751.95	0.20598			
3736751.95	399742.79	3736751.95	0.20847	399762.79
3736751.95	0.21139			
3736751.95	399782.79	3736751.95	0.21581	399802.79
3736751.95	0.22199			
3736751.95	399822.79	3736751.95	0.22316	399842.79
3736751.95	0.22777			
3736751.95	399862.79	3736751.95	0.22880	399882.79
3736751.95	0.23323			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
399902.79	3736751.95	0.24550	399922.79
3736751.95	0.25304		
399942.79	3736751.95	0.26076	399962.79
3736751.95	0.26840		
399982.79	3736751.95	0.27497	400002.79
3736751.95	0.28254		
400022.79	3736751.95	0.29002	400042.79
3736751.95	0.29869		
400062.79	3736751.95	0.30865	400082.79
3736751.95	0.32259		
400102.79	3736751.95	0.33489	400122.79
3736751.95	0.34648		
400142.79	3736751.95	0.36029	400162.79
3736751.95	0.37400		

400182.79	3736751.95	0.38813	398682.79
3736771.95	0.14375		
398702.79	3736771.95	0.14488	398722.79
3736771.95	0.14603		
398742.79	3736771.95	0.14719	398762.79
3736771.95	0.14836		
398782.79	3736771.95	0.14904	398802.79
3736771.95	0.14340		
398822.79	3736771.95	0.14998	398842.79
3736771.95	0.15206		
398862.79	3736771.95	0.15331	398882.79
3736771.95	0.15413		
398902.79	3736771.95	0.15492	398922.79
3736771.95	0.15647		
398942.79	3736771.95	0.15829	398962.79
3736771.95	0.15990		
398982.79	3736771.95	0.16092	399002.79
3736771.95	0.16138		
399022.79	3736771.95	0.16239	399042.79
3736771.95	0.16350		
399062.79	3736771.95	0.16462	399082.79
3736771.95	0.16585		
399102.79	3736771.95	0.16771	399122.79
3736771.95	0.16853		
399142.79	3736771.95	0.17008	399162.79
3736771.95	0.17160		
399182.79	3736771.95	0.17326	399202.79
3736771.95	0.17409		
399222.79	3736771.95	0.17506	399242.79
3736771.95	0.17560		
399262.79	3736771.95	0.17676	399282.79
3736771.95	0.17787		
399302.79	3736771.95	0.17990	399322.79
3736771.95	0.18140		
399342.79	3736771.95	0.18222	399362.79
3736771.95	0.18293		
399382.79	3736771.95	0.18376	399402.79
3736771.95	0.18430		
399422.79	3736771.95	0.18500	399442.79
3736771.95	0.18601		
399462.79	3736771.95	0.18693	399482.79
3736771.95	0.18696		
399502.79	3736771.95	0.18747	399522.79
3736771.95	0.18469		
399542.79	3736771.95	0.18348	399562.79
3736771.95	0.19060		
399582.79	3736771.95	0.19441	399602.79
3736771.95	0.19429		
399622.79	3736771.95	0.19375	399642.79
3736771.95	0.19520		

399662.79	3736771.95	0.19867	399682.79
3736771.95	0.20122		
399702.79	3736771.95	0.20445	399722.79
3736771.95	0.20735		
399742.79	3736771.95	0.21060	399762.79
3736771.95	0.21345		
399782.79	3736771.95	0.21880	399802.79
3736771.95	0.22322		
399822.79	3736771.95	0.22795	399842.79
3736771.95	0.22939		
399862.79	3736771.95	0.23416	399882.79
3736771.95	0.23805		
399902.79	3736771.95	0.23946	399922.79
3736771.95	0.24900		
399942.79	3736771.95	0.25954	399962.79
3736771.95	0.26742		

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

399982.79	3736771.95	0.27344	400002.79
3736771.95	0.27966		
400022.79	3736771.95	0.28650	400042.79
3736771.95	0.29508		
400062.79	3736771.95	0.30619	400082.79
3736771.95	0.31715		
400102.79	3736771.95	0.32881	400122.79
3736771.95	0.34009		
400142.79	3736771.95	0.35204	400162.79
3736771.95	0.36460		
400182.79	3736771.95	0.37741	398682.79
3736791.95	0.14370		

398702.79	3736791.95	0.14503	398722.79
3736791.95	0.14618		
398742.79	3736791.95	0.14734	398762.79
3736791.95	0.14851		
398782.79	3736791.95	0.14854	398802.79
3736791.95	0.14269		
398822.79	3736791.95	0.15120	398842.79
3736791.95	0.15224		
398862.79	3736791.95	0.15339	398882.79
3736791.95	0.15421		
398902.79	3736791.95	0.15512	398922.79
3736791.95	0.15702		
398942.79	3736791.95	0.15860	398962.79
3736791.95	0.16028		
398982.79	3736791.95	0.16110	399002.79
3736791.95	0.16228		
399022.79	3736791.95	0.16284	399042.79
3736791.95	0.16357		
399062.79	3736791.95	0.16470	399082.79
3736791.95	0.16641		
399102.79	3736791.95	0.16818	399122.79
3736791.95	0.16841		
399142.79	3736791.95	0.17047	399162.79
3736791.95	0.17188		
399182.79	3736791.95	0.17274	399202.79
3736791.95	0.17416		
399222.79	3736791.95	0.17419	399242.79
3736791.95	0.17560		
399262.79	3736791.95	0.17673	399282.79
3736791.95	0.17861		
399302.79	3736791.95	0.18025	399322.79
3736791.95	0.18115		
399342.79	3736791.95	0.18250	399362.79
3736791.95	0.18344		
399382.79	3736791.95	0.18384	399402.79
3736791.95	0.18486		
399422.79	3736791.95	0.18578	399442.79
3736791.95	0.18658		
399462.79	3736791.95	0.18712	399482.79
3736791.95	0.18730		
399502.79	3736791.95	0.18757	399522.79
3736791.95	0.17921		
399542.79	3736791.95	0.17781	399562.79
3736791.95	0.18505		
399582.79	3736791.95	0.19418	399602.79
3736791.95	0.19334		
399622.79	3736791.95	0.19453	399642.79
3736791.95	0.19750		
399662.79	3736791.95	0.20005	399682.79
3736791.95	0.20269		

3736791.95	399702.79	3736791.95	0.20506	399722.79
3736791.95	0.20874			
3736791.95	399742.79	3736791.95	0.21318	399762.79
3736791.95	0.21623			
3736791.95	399782.79	3736791.95	0.21961	399802.79
3736791.95	0.22504			
3736791.95	399822.79	3736791.95	0.22937	399842.79
3736791.95	0.23207			
3736791.95	399862.79	3736791.95	0.23774	399882.79
3736791.95	0.24262			
3736791.95	399902.79	3736791.95	0.24508	399922.79
3736791.95	0.24724			
3736791.95	399942.79	3736791.95	0.25265	399962.79
3736791.95	0.26461			
3736791.95	399982.79	3736791.95	0.27167	400002.79
3736791.95	0.27679			
3736791.95	400022.79	3736791.95	0.28378	400042.79
3736791.95	0.29290			

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***
***                                     10:15:03

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL          ***
INCLUDING SOURCE(S):      STCK1      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
400062.79	3736791.95	0.30265	400082.79
3736791.95	0.31243		
400102.79	3736791.95	0.32310	400122.79
3736791.95	0.33342		
400142.79	3736791.95	0.34389	400162.79
3736791.95	0.35548		
400182.79	3736791.95	0.36739	398682.79
3736811.95	0.14382		
398702.79	3736811.95	0.14515	398722.79
3736811.95	0.14630		

398742.79	3736811.95	0.14747	398762.79
3736811.95	0.14864		
398782.79	3736811.95	0.14705	398802.79
3736811.95	0.14582		
398822.79	3736811.95	0.15150	398842.79
3736811.95	0.15262		
398862.79	3736811.95	0.15374	398882.79
3736811.95	0.15466		
398902.79	3736811.95	0.15547	398922.79
3736811.95	0.15777		
398942.79	3736811.95	0.15883	398962.79
3736811.95	0.16020		
398982.79	3736811.95	0.16117	399002.79
3736811.95	0.16229		
399022.79	3736811.95	0.16319	399042.79
3736811.95	0.16430		
399062.79	3736811.95	0.16509	399082.79
3736811.95	0.16658		
399102.79	3736811.95	0.16732	399122.79
3736811.95	0.16903		
399142.79	3736811.95	0.17039	399162.79
3736811.95	0.17166		
399182.79	3736811.95	0.17304	399202.79
3736811.95	0.17309		
399222.79	3736811.95	0.17419	399242.79
3736811.95	0.17540		
399262.79	3736811.95	0.17693	399282.79
3736811.95	0.17915		
399302.79	3736811.95	0.17995	399322.79
3736811.95	0.18126		
399342.79	3736811.95	0.18240	399362.79
3736811.95	0.18341		
399382.79	3736811.95	0.18454	399402.79
3736811.95	0.18531		
399422.79	3736811.95	0.18568	399442.79
3736811.95	0.18692		
399462.79	3736811.95	0.18786	399482.79
3736811.95	0.18780		
399502.79	3736811.95	0.18815	399522.79
3736811.95	0.18557		
399542.79	3736811.95	0.18230	399562.79
3736811.95	0.18930		
399582.79	3736811.95	0.19320	399602.79
3736811.95	0.19397		
399622.79	3736811.95	0.19562	399642.79
3736811.95	0.19850		
399662.79	3736811.95	0.20132	399682.79
3736811.95	0.20394		
399702.79	3736811.95	0.20586	399722.79
3736811.95	0.20900		

399742.79	3736811.95	0.21336	399762.79
3736811.95	0.21850		
399782.79	3736811.95	0.22169	399802.79
3736811.95	0.22583		
399822.79	3736811.95	0.22871	399842.79
3736811.95	0.23116		
399862.79	3736811.95	0.23981	399882.79
3736811.95	0.24371		
399902.79	3736811.95	0.24659	399922.79
3736811.95	0.25236		
399942.79	3736811.95	0.25560	399962.79
3736811.95	0.25742		
399982.79	3736811.95	0.26687	400002.79
3736811.95	0.27504		
400022.79	3736811.95	0.28167	400042.79
3736811.95	0.29139		
400062.79	3736811.95	0.29918	400082.79
3736811.95	0.30748		
400102.79	3736811.95	0.31775	400122.79
3736811.95	0.32718		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
400142.79	3736811.95	0.33723	400162.79
3736811.95	0.34769		
400182.79	3736811.95	0.35760	398682.79
3736831.95	0.14363		
398702.79	3736831.95	0.14526	398722.79
3736831.95	0.14634		
398742.79	3736831.95	0.14757	398762.79
3736831.95	0.14856		

3736831.95	398782.79	3736831.95	0.14490	398802.79
3736831.95	0.14951			
3736831.95	398822.79	3736831.95	0.15174	398842.79
3736831.95	0.15291			
3736831.95	398862.79	3736831.95	0.15405	398882.79
3736831.95	0.15518			
3736831.95	398902.79	3736831.95	0.15583	398922.79
3736831.95	0.15807			
3736831.95	398942.79	3736831.95	0.15902	398962.79
3736831.95	0.16021			
3736831.95	398982.79	3736831.95	0.16137	399002.79
3736831.95	0.16228			
3736831.95	399022.79	3736831.95	0.16349	399042.79
3736831.95	0.16473			
3736831.95	399062.79	3736831.95	0.16543	399082.79
3736831.95	0.16644			
3736831.95	399102.79	3736831.95	0.16767	399122.79
3736831.95	0.16870			
3736831.95	399142.79	3736831.95	0.17036	399162.79
3736831.95	0.17141			
3736831.95	399182.79	3736831.95	0.17244	399202.79
3736831.95	0.17309			
3736831.95	399222.79	3736831.95	0.17418	399242.79
3736831.95	0.17537			
3736831.95	399262.79	3736831.95	0.17670	399282.79
3736831.95	0.17882			
3736831.95	399302.79	3736831.95	0.18020	399322.79
3736831.95	0.18111			
3736831.95	399342.79	3736831.95	0.18244	399362.79
3736831.95	0.18353			
3736831.95	399382.79	3736831.95	0.18466	399402.79
3736831.95	0.18499			
3736831.95	399422.79	3736831.95	0.18532	399442.79
3736831.95	0.18655			
3736831.95	399462.79	3736831.95	0.18845	399482.79
3736831.95	0.18939			
3736831.95	399502.79	3736831.95	0.18899	399522.79
3736831.95	0.18945			
3736831.95	399542.79	3736831.95	0.19084	399562.79
3736831.95	0.19244			
3736831.95	399582.79	3736831.95	0.19326	399602.79
3736831.95	0.19509			
3736831.95	399622.79	3736831.95	0.19788	399642.79
3736831.95	0.19938			
3736831.95	399662.79	3736831.95	0.20159	399682.79
3736831.95	0.20440			
3736831.95	399702.79	3736831.95	0.20704	399722.79
3736831.95	0.21026			
3736831.95	399742.79	3736831.95	0.21361	399762.79
3736831.95	0.21786			

399782.79 3736831.95 0.22300 399802.79
3736831.95 0.22759
399822.79 3736831.95 0.23112 399842.79
3736831.95 0.23242
399862.79 3736831.95 0.23714 399882.79
3736831.95 0.24119
399902.79 3736831.95 0.24986 399922.79
3736831.95 0.25386
399942.79 3736831.95 0.25769 399962.79
3736831.95 0.26168
399982.79 3736831.95 0.26363 400002.79
3736831.95 0.27023
400022.79 3736831.95 0.28033 400042.79
3736831.95 0.28881
400062.79 3736831.95 0.29583 400082.79
3736831.95 0.30372
400102.79 3736831.95 0.31271 400122.79
3736831.95 0.32134
400142.79 3736831.95 0.33050 400162.79
3736831.95 0.33927
400182.79 3736831.95 0.34908 398682.79
3736851.95 0.14331

*** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 ***
*** 10:15:03

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC

398702.79 3736851.95 0.14534 398722.79
3736851.95 0.14649
398742.79 3736851.95 0.14765 398762.79
3736851.95 0.14826
398782.79 3736851.95 0.14323 398802.79
3736851.95 0.15077

3736851.95	398822.79	3736851.95	0.15207	398842.79
3736851.95	0.15323			
3736851.95	398862.79	3736851.95	0.15440	398882.79
3736851.95	0.15516			
3736851.95	398902.79	3736851.95	0.15623	398922.79
3736851.95	0.15804			
3736851.95	398942.79	3736851.95	0.15922	398962.79
3736851.95	0.16029			
3736851.95	398982.79	3736851.95	0.16110	399002.79
3736851.95	0.16239			
3736851.95	399022.79	3736851.95	0.16335	399042.79
3736851.95	0.16443			
3736851.95	399062.79	3736851.95	0.16562	399082.79
3736851.95	0.16616			
3736851.95	399102.79	3736851.95	0.16808	399122.79
3736851.95	0.16907			
3736851.95	399142.79	3736851.95	0.17001	399162.79
3736851.95	0.17156			
3736851.95	399182.79	3736851.95	0.17232	399202.79
3736851.95	0.17316			
3736851.95	399222.79	3736851.95	0.17409	399242.79
3736851.95	0.17531			
3736851.95	399262.79	3736851.95	0.17694	399282.79
3736851.95	0.17788			
3736851.95	399302.79	3736851.95	0.17942	399322.79
3736851.95	0.18091			
3736851.95	399342.79	3736851.95	0.18290	399362.79
3736851.95	0.18344			
3736851.95	399382.79	3736851.95	0.18462	399402.79
3736851.95	0.18435			
3736851.95	399422.79	3736851.95	0.18544	399442.79
3736851.95	0.18665			
3736851.95	399462.79	3736851.95	0.18856	399482.79
3736851.95	0.18996			
3736851.95	399502.79	3736851.95	0.19074	399522.79
3736851.95	0.19102			
3736851.95	399542.79	3736851.95	0.19136	399562.79
3736851.95	0.19286			
3736851.95	399582.79	3736851.95	0.19432	399602.79
3736851.95	0.19674			
3736851.95	399622.79	3736851.95	0.19926	399642.79
3736851.95	0.20177			
3736851.95	399662.79	3736851.95	0.20344	399682.79
3736851.95	0.20523			
3736851.95	399702.79	3736851.95	0.20825	399722.79
3736851.95	0.21134			
3736851.95	399742.79	3736851.95	0.21470	399762.79
3736851.95	0.22006			
3736851.95	399782.79	3736851.95	0.22490	399802.79
3736851.95	0.22865			

399822.79	3736851.95	0.23272	399842.79
3736851.95	0.23649		
399862.79	3736851.95	0.24080	399882.79
3736851.95	0.24464		
399902.79	3736851.95	0.24851	399922.79
3736851.95	0.25211		
399942.79	3736851.95	0.25810	399962.79
3736851.95	0.26488		
399982.79	3736851.95	0.26771	400002.79
3736851.95	0.26983		
400022.79	3736851.95	0.27265	400042.79
3736851.95	0.28318		
400062.79	3736851.95	0.29205	400082.79
3736851.95	0.30053		
400102.79	3736851.95	0.30794	400122.79
3736851.95	0.31586		
400142.79	3736851.95	0.32423	400162.79
3736851.95	0.33265		
400182.79	3736851.95	0.34155	398682.79
3736871.95	0.14389		
398702.79	3736871.95	0.14540	398722.79
3736871.95	0.14654		
398742.79	3736871.95	0.14770	398762.79
3736871.95	0.14708		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

398782.79	3736871.95	0.14339	398802.79
3736871.95	0.15104		
398822.79	3736871.95	0.15227	398842.79
3736871.95	0.15335		

398862.79	3736871.95	0.15461	398882.79
3736871.95	0.15478		
398902.79	3736871.95	0.15645	398922.79
3736871.95	0.15783		
398942.79	3736871.95	0.15910	398962.79
3736871.95	0.16018		
398982.79	3736871.95	0.16048	399002.79
3736871.95	0.16182		
399022.79	3736871.95	0.16323	399042.79
3736871.95	0.16434		
399062.79	3736871.95	0.16522	399082.79
3736871.95	0.16626		
399102.79	3736871.95	0.16754	399122.79
3736871.95	0.16926		
399142.79	3736871.95	0.17022	399162.79
3736871.95	0.17101		
399182.79	3736871.95	0.17219	399202.79
3736871.95	0.17339		
399222.79	3736871.95	0.17431	399242.79
3736871.95	0.17533		
399262.79	3736871.95	0.17755	399282.79
3736871.95	0.17864		
399302.79	3736871.95	0.17912	399322.79
3736871.95	0.18005		
399342.79	3736871.95	0.18233	399362.79
3736871.95	0.18312		
399382.79	3736871.95	0.18363	399402.79
3736871.95	0.18435		
399422.79	3736871.95	0.18554	399442.79
3736871.95	0.18694		
399462.79	3736871.95	0.18938	399482.79
3736871.95	0.19047		
399502.79	3736871.95	0.19155	399522.79
3736871.95	0.19237		
399542.79	3736871.95	0.19351	399562.79
3736871.95	0.19350		
399582.79	3736871.95	0.19562	399602.79
3736871.95	0.19828		
399622.79	3736871.95	0.20037	399642.79
3736871.95	0.20296		
399662.79	3736871.95	0.20435	399682.79
3736871.95	0.20679		
399702.79	3736871.95	0.20955	399722.79
3736871.95	0.21261		
399742.79	3736871.95	0.21627	399762.79
3736871.95	0.22200		
399782.79	3736871.95	0.22559	399802.79
3736871.95	0.22970		
399822.79	3736871.95	0.23356	399842.79
3736871.95	0.23756		

3736871.95	399862.79	3736871.95	0.24127	399882.79
	0.24355			
3736871.95	399902.79	3736871.95	0.24746	399922.79
	0.25083			
3736871.95	399942.79	3736871.95	0.25853	399962.79
	0.26387			
3736871.95	399982.79	3736871.95	0.26707	400002.79
	0.27072			
3736871.95	400022.79	3736871.95	0.27524	400042.79
	0.27734			
3736871.95	400062.79	3736871.95	0.28489	400082.79
	0.29616			
3736871.95	400102.79	3736871.95	0.30341	400122.79
	0.31066			
3736871.95	400142.79	3736871.95	0.31835	400162.79
	0.32638			
3736871.95	400182.79	3736871.95	0.33464	398682.79
	0.14429			
3736891.95	398702.79	3736891.95	0.14543	398722.79
	0.14657			
3736891.95	398742.79	3736891.95	0.14758	398762.79
	0.14480			
3736891.95	398782.79	3736891.95	0.14572	398802.79
	0.15121			
3736891.95	398822.79	3736891.95	0.15228	398842.79
	0.15328			

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

3736891.95	398862.79	3736891.95	0.15438	398882.79
	0.15485			

3736891.95	398902.79	3736891.95	0.15663	398922.79
3736891.95	0.15773			
3736891.95	398942.79	3736891.95	0.15888	398962.79
3736891.95	0.15978			
3736891.95	398982.79	3736891.95	0.15999	399002.79
3736891.95	0.16116			
3736891.95	399022.79	3736891.95	0.16280	399042.79
3736891.95	0.16354			
3736891.95	399062.79	3736891.95	0.16498	399082.79
3736891.95	0.16654			
3736891.95	399102.79	3736891.95	0.16787	399122.79
3736891.95	0.16895			
3736891.95	399142.79	3736891.95	0.17006	399162.79
3736891.95	0.17113			
3736891.95	399182.79	3736891.95	0.17190	399202.79
3736891.95	0.17310			
3736891.95	399222.79	3736891.95	0.17426	399242.79
3736891.95	0.17590			
3736891.95	399262.79	3736891.95	0.17729	399282.79
3736891.95	0.17828			
3736891.95	399302.79	3736891.95	0.17961	399322.79
3736891.95	0.18045			
3736891.95	399342.79	3736891.95	0.18104	399362.79
3736891.95	0.18231			
3736891.95	399382.79	3736891.95	0.18299	399402.79
3736891.95	0.18440			
3736891.95	399422.79	3736891.95	0.18569	399442.79
3736891.95	0.18807			
3736891.95	399462.79	3736891.95	0.18955	399482.79
3736891.95	0.19106			
3736891.95	399502.79	3736891.95	0.19200	399522.79
3736891.95	0.19312			
3736891.95	399542.79	3736891.95	0.19328	399562.79
3736891.95	0.19438			
3736891.95	399582.79	3736891.95	0.19750	399602.79
3736891.95	0.19942			
3736891.95	399622.79	3736891.95	0.20153	399642.79
3736891.95	0.20375			
3736891.95	399662.79	3736891.95	0.20559	399682.79
3736891.95	0.20827			
3736891.95	399702.79	3736891.95	0.21102	399722.79
3736891.95	0.21373			
3736891.95	399742.79	3736891.95	0.21885	399762.79
3736891.95	0.22243			
3736891.95	399782.79	3736891.95	0.22662	399802.79
3736891.95	0.23057			
3736891.95	399822.79	3736891.95	0.23430	399842.79
3736891.95	0.23814			
3736891.95	399862.79	3736891.95	0.24205	399882.79
3736891.95	0.24445			

3736891.95	399902.79	3736891.95	0.24810	399922.79
	0.25423			
3736891.95	399942.79	3736891.95	0.25844	399962.79
	0.26273			
3736891.95	399982.79	3736891.95	0.26632	400002.79
	0.26980			
3736891.95	400022.79	3736891.95	0.27543	400042.79
	0.27917			
3736891.95	400062.79	3736891.95	0.28194	400082.79
	0.28625			
3736891.95	400102.79	3736891.95	0.29848	400122.79
	0.30576			
3736891.95	400142.79	3736891.95	0.31280	400162.79
	0.32017			
3736891.95	400182.79	3736891.95	0.32694	398682.79
	0.14368			
3736911.95	398702.79	3736911.95	0.14543	398722.79
	0.14657			
3736911.95	398742.79	3736911.95	0.14744	398762.79
	0.14200			
3736911.95	398782.79	3736911.95	0.14831	398802.79
	0.15117			
3736911.95	398822.79	3736911.95	0.15221	398842.79
	0.15347			
3736911.95	398862.79	3736911.95	0.15394	398882.79
	0.15475			
3736911.95	398902.79	3736911.95	0.15615	398922.79
	0.15762			

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
***
VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

3736911.95	398942.79	3736911.95	0.15881	398962.79
3736911.95	0.15897			
3736911.95	398982.79	3736911.95	0.15997	399002.79
3736911.95	0.16141			
3736911.95	399022.79	3736911.95	0.16272	399042.79
3736911.95	0.16331			
3736911.95	399062.79	3736911.95	0.16472	399082.79
3736911.95	0.16629			
3736911.95	399102.79	3736911.95	0.16773	399122.79
3736911.95	0.16880			
3736911.95	399142.79	3736911.95	0.16995	399162.79
3736911.95	0.17089			
3736911.95	399182.79	3736911.95	0.17198	399202.79
3736911.95	0.17277			
3736911.95	399222.79	3736911.95	0.17322	399242.79
3736911.95	0.17519			
3736911.95	399262.79	3736911.95	0.17667	399282.79
3736911.95	0.17800			
3736911.95	399302.79	3736911.95	0.17928	399322.79
3736911.95	0.18079			
3736911.95	399342.79	3736911.95	0.18195	399362.79
3736911.95	0.18237			
3736911.95	399382.79	3736911.95	0.18314	399402.79
3736911.95	0.18438			
3736911.95	399422.79	3736911.95	0.18622	399442.79
3736911.95	0.18827			
3736911.95	399462.79	3736911.95	0.18999	399482.79
3736911.95	0.19128			
3736911.95	399502.79	3736911.95	0.19230	399522.79
3736911.95	0.19315			
3736911.95	399542.79	3736911.95	0.19331	399562.79
3736911.95	0.19626			
3736911.95	399582.79	3736911.95	0.19885	399602.79
3736911.95	0.20037			
3736911.95	399622.79	3736911.95	0.20269	399642.79
3736911.95	0.20545			
3736911.95	399662.79	3736911.95	0.20818	399682.79
3736911.95	0.20982			
3736911.95	399702.79	3736911.95	0.21238	399722.79
3736911.95	0.21597			
3736911.95	399742.79	3736911.95	0.22111	399762.79
3736911.95	0.22368			
3736911.95	399782.79	3736911.95	0.22780	399802.79
3736911.95	0.23131			
3736911.95	399822.79	3736911.95	0.23491	399842.79
3736911.95	0.23857			
3736911.95	399862.79	3736911.95	0.24230	399882.79
3736911.95	0.24605			
3736911.95	399902.79	3736911.95	0.24920	399922.79
3736911.95	0.25341			

399942.79	3736911.95	0.25710	399962.79
3736911.95	0.26157		
399982.79	3736911.95	0.26564	400002.79
3736911.95	0.26886		
400022.79	3736911.95	0.27351	400042.79
3736911.95	0.27618		
400062.79	3736911.95	0.28114	400082.79
3736911.95	0.28598		
400102.79	3736911.95	0.28996	400122.79
3736911.95	0.30107		
400142.79	3736911.95	0.30754	400162.79
3736911.95	0.31431		
400182.79	3736911.95	0.32072	398682.79
3736931.95	0.14387		
398702.79	3736931.95	0.14541	398722.79
3736931.95	0.14654		
398742.79	3736931.95	0.14696	398762.79
3736931.95	0.14094		
398782.79	3736931.95	0.14954	398802.79
3736931.95	0.15110		
398822.79	3736931.95	0.15225	398842.79
3736931.95	0.15340		
398862.79	3736931.95	0.15371	398882.79
3736931.95	0.15498		
398902.79	3736931.95	0.15574	398922.79
3736931.95	0.15685		
398942.79	3736931.95	0.15803	398962.79
3736931.95	0.15873		
398982.79	3736931.95	0.15996	399002.79
3736931.95	0.16144		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
***
VALUES FOR SOURCE GROUP: ALL          INCLUDING SOURCE(S): STCK1 ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

3736931.95	399022.79	3736931.95	0.16237	399042.79
	0.16360			
3736931.95	399062.79	3736931.95	0.16512	399082.79
	0.16657			
3736931.95	399102.79	3736931.95	0.16702	399122.79
	0.16782			
3736931.95	399142.79	3736931.95	0.16936	399162.79
	0.17060			
3736931.95	399182.79	3736931.95	0.17142	399202.79
	0.17211			
3736931.95	399222.79	3736931.95	0.17279	399242.79
	0.17493			
3736931.95	399262.79	3736931.95	0.17607	399282.79
	0.17749			
3736931.95	399302.79	3736931.95	0.17936	399322.79
	0.18062			
3736931.95	399342.79	3736931.95	0.18171	399362.79
	0.18317			
3736931.95	399382.79	3736931.95	0.18317	399402.79
	0.18446			
3736931.95	399422.79	3736931.95	0.18657	399442.79
	0.18844			
3736931.95	399462.79	3736931.95	0.18981	399482.79
	0.19118			
3736931.95	399502.79	3736931.95	0.19288	399522.79
	0.19235			
3736931.95	399542.79	3736931.95	0.19422	399562.79
	0.19788			
3736931.95	399582.79	3736931.95	0.19968	399602.79
	0.20188			
3736931.95	399622.79	3736931.95	0.20408	399642.79
	0.20748			
3736931.95	399662.79	3736931.95	0.21027	399682.79
	0.21289			
3736931.95	399702.79	3736931.95	0.21462	399722.79
	0.21884			
3736931.95	399742.79	3736931.95	0.22196	399762.79
	0.22518			
3736931.95	399782.79	3736931.95	0.22850	399802.79
	0.23190			
3736931.95	399822.79	3736931.95	0.23537	399842.79
	0.23886			
3736931.95	399862.79	3736931.95	0.24239	399882.79
	0.24593			
3736931.95	399902.79	3736931.95	0.24951	399922.79
	0.25308			
3736931.95	399942.79	3736931.95	0.25669	399962.79
	0.26035			

399982.79	3736931.95	0.26409	400002.79
3736931.95	0.26785		
400022.79	3736931.95	0.27071	400042.79
3736931.95	0.27391		
400062.79	3736931.95	0.27861	400082.79
3736931.95	0.28375		
400102.79	3736931.95	0.29030	400122.79
3736931.95	0.29539		
400142.79	3736931.95	0.30047	400162.79
3736931.95	0.30874		
400182.79	3736931.95	0.31512	398682.79
3736951.95	0.14424		
398702.79	3736951.95	0.14536	398722.79
3736951.95	0.14647		
398742.79	3736951.95	0.14537	398762.79
3736951.95	0.14286		
398782.79	3736951.95	0.14972	398802.79
3736951.95	0.15083		
398822.79	3736951.95	0.15213	398842.79
3736951.95	0.15290		
398862.79	3736951.95	0.15347	398882.79
3736951.95	0.15479		
398902.79	3736951.95	0.15605	398922.79
3736951.95	0.15684		
398942.79	3736951.95	0.15748	398962.79
3736951.95	0.15846		
398982.79	3736951.95	0.16005	399002.79
3736951.95	0.16116		
399022.79	3736951.95	0.16229	399042.79
3736951.95	0.16385		
399062.79	3736951.95	0.16498	399082.79
3736951.95	0.16585		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3736951.95	399102.79	3736951.95	0.16641	399122.79
3736951.95	399142.79	3736951.95	0.16825	399162.79
3736951.95	399182.79	3736951.95	0.17123	399202.79
3736951.95	399222.79	3736951.95	0.17281	399242.79
3736951.95	399262.79	3736951.95	0.17591	399282.79
3736951.95	399302.79	3736951.95	0.17906	399322.79
3736951.95	399342.79	3736951.95	0.18178	399362.79
3736951.95	399382.79	3736951.95	0.18305	399402.79
3736951.95	399422.79	3736951.95	0.18593	399442.79
3736951.95	399462.79	3736951.95	0.18950	399482.79
3736951.95	399502.79	3736951.95	0.19186	399522.79
3736951.95	399542.79	3736951.95	0.19563	399562.79
3736951.95	399582.79	3736951.95	0.20074	399602.79
3736951.95	399622.79	3736951.95	0.20544	399642.79
3736951.95	399662.79	3736951.95	0.21107	399682.79
3736951.95	399702.79	3736951.95	0.21666	399722.79
3736951.95	399742.79	3736951.95	0.22268	399762.79
3736951.95	399782.79	3736951.95	0.22906	399802.79
3736951.95	399822.79	3736951.95	0.23566	399842.79
3736951.95	399862.79	3736951.95	0.24234	399882.79
3736951.95	399902.79	3736951.95	0.24902	399922.79
3736951.95	399942.79	3736951.95	0.25570	399962.79
3736951.95	399982.79	3736951.95	0.26252	400002.79

400022.79	3736951.95	0.26979	400042.79
3736951.95	0.27278		
400062.79	3736951.95	0.27617	400082.79
3736951.95	0.28169		
400102.79	3736951.95	0.28662	400122.79
3736951.95	0.29074		
400142.79	3736951.95	0.29561	400162.79
3736951.95	0.29828		
400182.79	3736951.95	0.30723	398682.79
3736971.95	0.14365		
398702.79	3736971.95	0.14527	398722.79
3736971.95	0.14638		
398742.79	3736971.95	0.14203	398762.79
3736971.95	0.14618		
398782.79	3736971.95	0.14889	398802.79
3736971.95	0.15015		
398822.79	3736971.95	0.15171	398842.79
3736971.95	0.15228		
398862.79	3736971.95	0.15329	398882.79
3736971.95	0.15437		
398902.79	3736971.95	0.15568	398922.79
3736971.95	0.15684		
398942.79	3736971.95	0.15768	398962.79
3736971.95	0.15843		
398982.79	3736971.95	0.15952	399002.79
3736971.95	0.16085		
399022.79	3736971.95	0.16219	399042.79
3736971.95	0.16328		
399062.79	3736971.95	0.16466	399082.79
3736971.95	0.16575		
399102.79	3736971.95	0.16618	399122.79
3736971.95	0.16699		
399142.79	3736971.95	0.16786	399162.79
3736971.95	0.16875		

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*** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                            ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***      10:15:03

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PAGE 118

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399182.79	3736971.95	0.16981	399202.79
3736971.95	0.17113		
399222.79	3736971.95	0.17254	399242.79
3736971.95	0.17365		
399262.79	3736971.95	0.17556	399282.79
3736971.95	0.17707		
399302.79	3736971.95	0.17878	399322.79
3736971.95	0.17981		
399342.79	3736971.95	0.18105	399362.79
3736971.95	0.18174		
399382.79	3736971.95	0.18300	399402.79
3736971.95	0.18452		
399422.79	3736971.95	0.18702	399442.79
3736971.95	0.18826		
399462.79	3736971.95	0.18897	399482.79
3736971.95	0.19084		
399502.79	3736971.95	0.19163	399522.79
3736971.95	0.19392		
399542.79	3736971.95	0.19694	399562.79
3736971.95	0.19874		
399582.79	3736971.95	0.20146	399602.79
3736971.95	0.20387		
399622.79	3736971.95	0.20630	399642.79
3736971.95	0.20905		
399662.79	3736971.95	0.21177	399682.79
3736971.95	0.21446		
399702.79	3736971.95	0.21694	399722.79
3736971.95	0.22028		
399742.79	3736971.95	0.22329	399762.79
3736971.95	0.22636		
399782.79	3736971.95	0.22948	399802.79
3736971.95	0.23264		
399822.79	3736971.95	0.23581	399842.79
3736971.95	0.23899		
399862.79	3736971.95	0.24209	399882.79
3736971.95	0.24512		
399902.79	3736971.95	0.24841	399922.79
3736971.95	0.25152		
399942.79	3736971.95	0.25462	399962.79
3736971.95	0.25773		
399982.79	3736971.95	0.26090	400002.79
3736971.95	0.26417		
400022.79	3736971.95	0.26757	400042.79
3736971.95	0.27118		

400062.79	3736971.95	0.27475	400082.79
3736971.95	0.27855		
400102.79	3736971.95	0.28189	400122.79
3736971.95	0.28734		
400142.79	3736971.95	0.29181	400162.79
3736971.95	0.29682		
400182.79	3736971.95	0.30009	398682.79
3736991.95	0.14191		
398702.79	3736991.95	0.14516	398722.79
3736991.95	0.14617		
398742.79	3736991.95	0.13975	398762.79
3736991.95	0.14735		
398782.79	3736991.95	0.14848	398802.79
3736991.95	0.14955		
398822.79	3736991.95	0.15077	398842.79
3736991.95	0.15236		
398862.79	3736991.95	0.15346	398882.79
3736991.95	0.15426		
398902.79	3736991.95	0.15522	398922.79
3736991.95	0.15639		
398942.79	3736991.95	0.15747	398962.79
3736991.95	0.15845		
398982.79	3736991.95	0.15934	399002.79
3736991.95	0.16030		
399022.79	3736991.95	0.16170	399042.79
3736991.95	0.16297		
399062.79	3736991.95	0.16430	399082.79
3736991.95	0.16549		
399102.79	3736991.95	0.16649	399122.79
3736991.95	0.16694		
399142.79	3736991.95	0.16753	399162.79
3736991.95	0.16840		
399182.79	3736991.95	0.16930	399202.79
3736991.95	0.17015		
399222.79	3736991.95	0.17168	399242.79
3736991.95	0.17321		

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▲ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3736991.95	399262.79	3736991.95	0.17489	399282.79
3736991.95	399302.79	3736991.95	0.17835	399322.79
3736991.95	399342.79	3736991.95	0.18029	399362.79
3736991.95	399382.79	3736991.95	0.18303	399402.79
3736991.95	399422.79	3736991.95	0.18716	399442.79
3736991.95	399462.79	3736991.95	0.18977	399482.79
3736991.95	399502.79	3736991.95	0.19208	399522.79
3736991.95	399542.79	3736991.95	0.19708	399562.79
3736991.95	399582.79	3736991.95	0.20182	399602.79
3736991.95	399622.79	3736991.95	0.20723	399642.79
3736991.95	399662.79	3736991.95	0.21239	399682.79
3736991.95	399702.79	3736991.95	0.21793	399722.79
3736991.95	399742.79	3736991.95	0.22376	399762.79
3736991.95	399782.79	3736991.95	0.22978	399802.79
3736991.95	399822.79	3736991.95	0.23561	399842.79
3736991.95	399862.79	3736991.95	0.24155	399882.79
3736991.95	399902.79	3736991.95	0.24769	399922.79
3736991.95	399942.79	3736991.95	0.25344	399962.79
3736991.95	399982.79	3736991.95	0.25923	400002.79
3736991.95	400022.79	3736991.95	0.26536	400042.79
3736991.95	400062.79	3736991.95	0.27219	400082.79
3736991.95			0.27467	

400102.79	3736991.95	0.27885	400122.79
3736991.95	0.28435		
400142.79	3736991.95	0.28835	400162.79
3736991.95	0.29262		
400182.79	3736991.95	0.29767	398682.79
3737011.95	0.13987		
398702.79	3737011.95	0.14502	398722.79
3737011.95	0.14426		
398742.79	3737011.95	0.14123	398762.79
3737011.95	0.14731		
398782.79	3737011.95	0.14827	398802.79
3737011.95	0.14930		
398822.79	3737011.95	0.15062	398842.79
3737011.95	0.15205		
398862.79	3737011.95	0.15335	398882.79
3737011.95	0.15443		
398902.79	3737011.95	0.15501	398922.79
3737011.95	0.15618		
398942.79	3737011.95	0.15720	398962.79
3737011.95	0.15821		
398982.79	3737011.95	0.15957	399002.79
3737011.95	0.16042		
399022.79	3737011.95	0.16115	399042.79
3737011.95	0.16223		
399062.79	3737011.95	0.16380	399082.79
3737011.95	0.16507		
399102.79	3737011.95	0.16599	399122.79
3737011.95	0.16683		
399142.79	3737011.95	0.16740	399162.79
3737011.95	0.16818		
399182.79	3737011.95	0.16893	399202.79
3737011.95	0.16985		
399222.79	3737011.95	0.17072	399242.79
3737011.95	0.17251		
399262.79	3737011.95	0.17410	399282.79
3737011.95	0.17608		
399302.79	3737011.95	0.17747	399322.79
3737011.95	0.17937		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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PAGE 120

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
***
VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399342.79	3737011.95	0.18033	399362.79
3737011.95	0.18141		
399382.79	3737011.95	0.18312	399402.79
3737011.95	0.18519		
399422.79	3737011.95	0.18691	399442.79
3737011.95	0.18866		
399462.79	3737011.95	0.18931	399482.79
3737011.95	0.19054		
399502.79	3737011.95	0.19296	399522.79
3737011.95	0.19535		
399542.79	3737011.95	0.19751	399562.79
3737011.95	0.20024		
399582.79	3737011.95	0.20176	399602.79
3737011.95	0.20408		
399622.79	3737011.95	0.20682	399642.79
3737011.95	0.21028		
399662.79	3737011.95	0.21290	399682.79
3737011.95	0.21561		
399702.79	3737011.95	0.21839	399722.79
3737011.95	0.22123		
399742.79	3737011.95	0.22412	399762.79
3737011.95	0.22703		
399782.79	3737011.95	0.22995	399802.79
3737011.95	0.23284		
399822.79	3737011.95	0.23556	399842.79
3737011.95	0.23793		
399862.79	3737011.95	0.24062	399882.79
3737011.95	0.24415		
399902.79	3737011.95	0.24686	399922.79
3737011.95	0.24953		
399942.79	3737011.95	0.25218	399962.79
3737011.95	0.25481		
399982.79	3737011.95	0.25749	400002.79
3737011.95	0.26025		
400022.79	3737011.95	0.26313	400042.79
3737011.95	0.26617		
400062.79	3737011.95	0.26940	400082.79
3737011.95	0.27135		
400102.79	3737011.95	0.27660	400122.79
3737011.95	0.28058		

400142.79	3737011.95	0.28480	400162.79
3737011.95	0.28920		
400182.79	3737011.95	0.29375	398682.79
3737031.95	0.14360		
398702.79	3737031.95	0.14484	398722.79
3737031.95	0.14020		
398742.79	3737031.95	0.14489	398762.79
3737031.95	0.14760		
398782.79	3737031.95	0.14836	398802.79
3737031.95	0.14901		
398822.79	3737031.95	0.15034	398842.79
3737031.95	0.15189		
398862.79	3737031.95	0.15301	398882.79
3737031.95	0.15409		
398902.79	3737031.95	0.15466	398922.79
3737031.95	0.15571		
398942.79	3737031.95	0.15646	398962.79
3737031.95	0.15794		
398982.79	3737031.95	0.15920	399002.79
3737031.95	0.16044		
399022.79	3737031.95	0.16150	399042.79
3737031.95	0.16205		
399062.79	3737031.95	0.16288	399082.79
3737031.95	0.16444		
399102.79	3737031.95	0.16548	399122.79
3737031.95	0.16593		
399142.79	3737031.95	0.16760	399162.79
3737031.95	0.16867		
399182.79	3737031.95	0.16892	399202.79
3737031.95	0.16948		
399222.79	3737031.95	0.17056	399242.79
3737031.95	0.17256		
399262.79	3737031.95	0.17358	399282.79
3737031.95	0.17557		
399302.79	3737031.95	0.17718	399322.79
3737031.95	0.17936		
399342.79	3737031.95	0.18047	399362.79
3737031.95	0.18148		
399382.79	3737031.95	0.18365	399402.79
3737031.95	0.18520		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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PAGE 121

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399422.79	3737031.95	0.18648	399442.79
3737031.95	0.18820		
399462.79	3737031.95	0.18889	399482.79
3737031.95	0.19125		
399502.79	3737031.95	0.19279	399522.79
3737031.95	0.19495		
399542.79	3737031.95	0.19817	399562.79
3737031.95	0.20017		
399582.79	3737031.95	0.20182	399602.79
3737031.95	0.20442		
399622.79	3737031.95	0.20717	399642.79
3737031.95	0.21073		
399662.79	3737031.95	0.21334	399682.79
3737031.95	0.21602		
399702.79	3737031.95	0.21875	399722.79
3737031.95	0.22153		
399742.79	3737031.95	0.22434	399762.79
3737031.95	0.22716		
399782.79	3737031.95	0.22996	399802.79
3737031.95	0.23273		
399822.79	3737031.95	0.23543	399842.79
3737031.95	0.23764		
399862.79	3737031.95	0.24028	399882.79
3737031.95	0.24302		
399902.79	3737031.95	0.24592	399922.79
3737031.95	0.24840		
399942.79	3737031.95	0.25083	399962.79
3737031.95	0.25300		
399982.79	3737031.95	0.25562	400002.79
3737031.95	0.25825		
400022.79	3737031.95	0.26089	400042.79
3737031.95	0.26367		
400062.79	3737031.95	0.26543	400082.79
3737031.95	0.26928		
400102.79	3737031.95	0.27327	400122.79
3737031.95	0.27693		
400142.79	3737031.95	0.28081	400162.79
3737031.95	0.28486		

400182.79	3737031.95	0.28904	398682.79
3737051.95	0.14359		
398702.79	3737051.95	0.14358	398722.79
3737051.95	0.13939		
398742.79	3737051.95	0.14616	398762.79
3737051.95	0.14731		
398782.79	3737051.95	0.14777	398802.79
3737051.95	0.14861		
398822.79	3737051.95	0.14974	398842.79
3737051.95	0.15093		
398862.79	3737051.95	0.15263	398882.79
3737051.95	0.15380		
398902.79	3737051.95	0.15477	398922.79
3737051.95	0.15519		
398942.79	3737051.95	0.15607	398962.79
3737051.95	0.15769		
398982.79	3737051.95	0.15876	399002.79
3737051.95	0.15998		
399022.79	3737051.95	0.16097	399042.79
3737051.95	0.16196		
399062.79	3737051.95	0.16278	399082.79
3737051.95	0.16357		
399102.79	3737051.95	0.16451	399122.79
3737051.95	0.16599		
399142.79	3737051.95	0.16719	399162.79
3737051.95	0.16820		
399182.79	3737051.95	0.16923	399202.79
3737051.95	0.16991		
399222.79	3737051.95	0.17076	399242.79
3737051.95	0.17224		
399262.79	3737051.95	0.17345	399282.79
3737051.95	0.17576		
399302.79	3737051.95	0.17735	399322.79
3737051.95	0.17868		
399342.79	3737051.95	0.18049	399362.79
3737051.95	0.18206		
399382.79	3737051.95	0.18369	399402.79
3737051.95	0.18502		
399422.79	3737051.95	0.18657	399442.79
3737051.95	0.18727		
399462.79	3737051.95	0.18910	399482.79
3737051.95	0.19187		

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▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

```

VALUES FOR SOURCE GROUP: ALL
 *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399502.79	3737051.95	0.19395	399522.79
3737051.95	0.19547		
399542.79	3737051.95	0.19741	399562.79
3737051.95	0.19961		
399582.79	3737051.95	0.20206	399602.79
3737051.95	0.20482		
399622.79	3737051.95	0.20776	399642.79
3737051.95	0.21107		
399662.79	3737051.95	0.21367	399682.79
3737051.95	0.21632		
399702.79	3737051.95	0.21900	399722.79
3737051.95	0.22171		
399742.79	3737051.95	0.22443	399762.79
3737051.95	0.22715		
399782.79	3737051.95	0.22984	399802.79
3737051.95	0.23239		
399822.79	3737051.95	0.23505	399842.79
3737051.95	0.23744		
399862.79	3737051.95	0.24014	399882.79
3737051.95	0.24254		
399902.79	3737051.95	0.24430	399922.79
3737051.95	0.24706		
399942.79	3737051.95	0.24883	399962.79
3737051.95	0.25123		
399982.79	3737051.95	0.25370	400002.79
3737051.95	0.25623		
400022.79	3737051.95	0.25864	400042.79
3737051.95	0.26048		
400062.79	3737051.95	0.26302	400082.79
3737051.95	0.26685		
400102.79	3737051.95	0.26975	400122.79
3737051.95	0.27337		
400142.79	3737051.95	0.27694	400162.79
3737051.95	0.28066		
400182.79	3737051.95	0.28451	398682.79
3737071.95	0.14337		

398702.79	3737071.95	0.13836	398722.79
3737071.95	0.14305		
398742.79	3737071.95	0.14607	398762.79
3737071.95	0.14661		
398782.79	3737071.95	0.14733	398802.79
3737071.95	0.14829		
398822.79	3737071.95	0.14944	398842.79
3737071.95	0.15055		
398862.79	3737071.95	0.15169	398882.79
3737071.95	0.15307		
398902.79	3737071.95	0.15436	398922.79
3737071.95	0.15519		
398942.79	3737071.95	0.15626	398962.79
3737071.95	0.15713		
398982.79	3737071.95	0.15862	399002.79
3737071.95	0.15941		
399022.79	3737071.95	0.16028	399042.79
3737071.95	0.16121		
399062.79	3737071.95	0.16205	399082.79
3737071.95	0.16380		
399102.79	3737071.95	0.16440	399122.79
3737071.95	0.16518		
399142.79	3737071.95	0.16653	399162.79
3737071.95	0.16776		
399182.79	3737071.95	0.16874	399202.79
3737071.95	0.17017		
399222.79	3737071.95	0.17134	399242.79
3737071.95	0.17212		
399262.79	3737071.95	0.17332	399282.79
3737071.95	0.17542		
399302.79	3737071.95	0.17693	399322.79
3737071.95	0.17842		
399342.79	3737071.95	0.17995	399362.79
3737071.95	0.18183		
399382.79	3737071.95	0.18328	399402.79
3737071.95	0.18476		
399422.79	3737071.95	0.18596	399442.79
3737071.95	0.18712		
399462.79	3737071.95	0.18977	399482.79
3737071.95	0.19228		
399502.79	3737071.95	0.19417	399522.79
3737071.95	0.19621		
399542.79	3737071.95	0.19772	399562.79
3737071.95	0.19995		

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▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399582.79	3737071.95	0.20222	399602.79
3737071.95	0.20486		
399622.79	3737071.95	0.20879	399642.79
3737071.95	0.21132		
399662.79	3737071.95	0.21389	399682.79
3737071.95	0.21650		
399702.79	3737071.95	0.21914	399722.79
3737071.95	0.22178		
399742.79	3737071.95	0.22441	399762.79
3737071.95	0.22703		
399782.79	3737071.95	0.22961	399802.79
3737071.95	0.23214		
399822.79	3737071.95	0.23415	399842.79
3737071.95	0.23702		
399862.79	3737071.95	0.23934	399882.79
3737071.95	0.24159		
399902.79	3737071.95	0.24375	399922.79
3737071.95	0.24534		
399942.79	3737071.95	0.24705	399962.79
3737071.95	0.24911		
399982.79	3737071.95	0.25205	400002.79
3737071.95	0.25418		
400022.79	3737071.95	0.25639	400042.79
3737071.95	0.25734		
400062.79	3737071.95	0.26020	400082.79
3737071.95	0.26391		
400102.79	3737071.95	0.26680	400122.79
3737071.95	0.26989		
400142.79	3737071.95	0.27317	400162.79
3737071.95	0.27660		
400182.79	3737071.95	0.28014	398682.79
3737091.95	0.14173		
398702.79	3737091.95	0.13748	398722.79
3737091.95	0.14403		

398742.79	3737091.95	0.14512	398762.79
3737091.95	0.14586		
398782.79	3737091.95	0.14743	398802.79
3737091.95	0.14835		
398822.79	3737091.95	0.14916	398842.79
3737091.95	0.15021		
398862.79	3737091.95	0.15147	398882.79
3737091.95	0.15271		
398902.79	3737091.95	0.15379	398922.79
3737091.95	0.15476		
398942.79	3737091.95	0.15572	398962.79
3737091.95	0.15685		
398982.79	3737091.95	0.15810	399002.79
3737091.95	0.15896		
399022.79	3737091.95	0.15983	399042.79
3737091.95	0.16069		
399062.79	3737091.95	0.16170	399082.79
3737091.95	0.16313		
399102.79	3737091.95	0.16439	399122.79
3737091.95	0.16527		
399142.79	3737091.95	0.16575	399162.79
3737091.95	0.16704		
399182.79	3737091.95	0.16870	399202.79
3737091.95	0.16984		
399222.79	3737091.95	0.17096	399242.79
3737091.95	0.17190		
399262.79	3737091.95	0.17357	399282.79
3737091.95	0.17501		
399302.79	3737091.95	0.17591	399322.79
3737091.95	0.17763		
399342.79	3737091.95	0.17983	399362.79
3737091.95	0.18125		
399382.79	3737091.95	0.18269	399402.79
3737091.95	0.18441		
399422.79	3737091.95	0.18525	399442.79
3737091.95	0.18745		
399462.79	3737091.95	0.18982	399482.79
3737091.95	0.19202		
399502.79	3737091.95	0.19433	399522.79
3737091.95	0.19621		
399542.79	3737091.95	0.19793	399562.79
3737091.95	0.20021		
399582.79	3737091.95	0.20245	399602.79
3737091.95	0.20647		
399622.79	3737091.95	0.20894	399642.79
3737091.95	0.21146		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***
                                     10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3737091.95	399662.79	3737091.95	0.21400	399682.79
3737091.95	399702.79	3737091.95	0.21916	399722.79
3737091.95	399742.79	3737091.95	0.22429	399762.79
3737091.95	399782.79	3737091.95	0.22928	399802.79
3737091.95	399822.79	3737091.95	0.23402	399842.79
3737091.95	399862.79	3737091.95	0.23845	399882.79
3737091.95	399902.79	3737091.95	0.24254	399922.79
3737091.95	399942.79	3737091.95	0.24572	399962.79
3737091.95	399982.79	3737091.95	0.24980	400002.79
3737091.95	400022.79	3737091.95	0.25314	400042.79
3737091.95	400062.79	3737091.95	0.25736	400082.79
3737091.95	400102.79	3737091.95	0.26367	400122.79
3737091.95	400142.79	3737091.95	0.26953	400162.79
3737111.95	400182.79	3737091.95	0.27593	398682.79
3737111.95	398702.79	3737111.95	0.14174	398722.79
3737111.95	398742.79	3737111.95	0.14452	398762.79
3737111.95		3737111.95	0.14581	

3737111.95	398782.79	3737111.95	0.14721	398802.79
3737111.95	0.14821			
3737111.95	398822.79	3737111.95	0.14941	398842.79
3737111.95	0.15022			
3737111.95	398862.79	3737111.95	0.15129	398882.79
3737111.95	0.15224			
3737111.95	398902.79	3737111.95	0.15297	398922.79
3737111.95	0.15408			
3737111.95	398942.79	3737111.95	0.15515	398962.79
3737111.95	0.15658			
3737111.95	398982.79	3737111.95	0.15776	399002.79
3737111.95	0.15875			
3737111.95	399022.79	3737111.95	0.15935	399042.79
3737111.95	0.16032			
3737111.95	399062.79	3737111.95	0.16135	399082.79
3737111.95	0.16243			
3737111.95	399102.79	3737111.95	0.16363	399122.79
3737111.95	0.16500			
3737111.95	399142.79	3737111.95	0.16614	399162.79
3737111.95	0.16660			
3737111.95	399182.79	3737111.95	0.16754	399202.79
3737111.95	0.16918			
3737111.95	399222.79	3737111.95	0.17044	399242.79
3737111.95	0.17171			
3737111.95	399262.79	3737111.95	0.17334	399282.79
3737111.95	0.17452			
3737111.95	399302.79	3737111.95	0.17558	399322.79
3737111.95	0.17678			
3737111.95	399342.79	3737111.95	0.17855	399362.79
3737111.95	0.18064			
3737111.95	399382.79	3737111.95	0.18253	399402.79
3737111.95	0.18353			
3737111.95	399422.79	3737111.95	0.18520	399442.79
3737111.95	0.18783			
3737111.95	399462.79	3737111.95	0.19001	399482.79
3737111.95	0.19207			
3737111.95	399502.79	3737111.95	0.19429	399522.79
3737111.95	0.19591			
3737111.95	399542.79	3737111.95	0.19818	399562.79
3737111.95	0.20048			
3737111.95	399582.79	3737111.95	0.20339	399602.79
3737111.95	0.20649			
3737111.95	399622.79	3737111.95	0.20898	399642.79
3737111.95	0.21150			
3737111.95	399662.79	3737111.95	0.21401	399682.79
3737111.95	0.21645			
3737111.95	399702.79	3737111.95	0.21884	399722.79
3737111.95	0.22116			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399742.79	3737111.95	0.22390	399762.79
3737111.95	0.22637		
399782.79	3737111.95	0.22883	399802.79
3737111.95	0.23111		
399822.79	3737111.95	0.23319	399842.79
3737111.95	0.23544		
399862.79	3737111.95	0.23746	399882.79
3737111.95	0.23939		
399902.79	3737111.95	0.24114	399922.79
3737111.95	0.24273		
399942.79	3737111.95	0.24477	399962.79
3737111.95	0.24650		
399982.79	3737111.95	0.24823	400002.79
3737111.95	0.24888		
400022.79	3737111.95	0.25142	400042.79
3737111.95	0.25381		
400062.79	3737111.95	0.25525	400082.79
3737111.95	0.25738		
400102.79	3737111.95	0.25987	400122.79
3737111.95	0.26258		
400142.79	3737111.95	0.26598	400162.79
3737111.95	0.26888		
400182.79	3737111.95	0.27187	398682.79
3737131.95	0.13690		
398702.79	3737131.95	0.14263	398722.79
3737131.95	0.14361		
398742.79	3737131.95	0.14416	398762.79
3737131.95	0.14528		
398782.79	3737131.95	0.14666	398802.79
3737131.95	0.14790		

398822.79	3737131.95	0.14902	398842.79
3737131.95	0.15007		
398862.79	3737131.95	0.15088	398882.79
3737131.95	0.15191		
398902.79	3737131.95	0.15272	398922.79
3737131.95	0.15378		
398942.79	3737131.95	0.15472	398962.79
3737131.95	0.15618		
398982.79	3737131.95	0.15703	399002.79
3737131.95	0.15780		
399022.79	3737131.95	0.15873	399042.79
3737131.95	0.16002		
399062.79	3737131.95	0.16095	399082.79
3737131.95	0.16205		
399102.79	3737131.95	0.16318	399122.79
3737131.95	0.16438		
399142.79	3737131.95	0.16573	399162.79
3737131.95	0.16688		
399182.79	3737131.95	0.16756	399202.79
3737131.95	0.16813		
399222.79	3737131.95	0.16952	399242.79
3737131.95	0.17124		
399262.79	3737131.95	0.17296	399282.79
3737131.95	0.17400		
399302.79	3737131.95	0.17515	399322.79
3737131.95	0.17654		
399342.79	3737131.95	0.17790	399362.79
3737131.95	0.17945		
399382.79	3737131.95	0.18170	399402.79
3737131.95	0.18301		
399422.79	3737131.95	0.18538	399442.79
3737131.95	0.18715		
399462.79	3737131.95	0.18941	399482.79
3737131.95	0.19194		
399502.79	3737131.95	0.19425	399522.79
3737131.95	0.19628		
399542.79	3737131.95	0.19812	399562.79
3737131.95	0.20063		
399582.79	3737131.95	0.20392	399602.79
3737131.95	0.20638		
399622.79	3737131.95	0.20887	399642.79
3737131.95	0.21139		
399662.79	3737131.95	0.21389	399682.79
3737131.95	0.21637		
399702.79	3737131.95	0.21885	399722.79
3737131.95	0.22128		
399742.79	3737131.95	0.22353	399762.79
3737131.95	0.22599		
399782.79	3737131.95	0.22825	399802.79
3737131.95	0.23043		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
399822.79	3737131.95	0.23251	399842.79
3737131.95	0.23437		
399862.79	3737131.95	0.23638	399882.79
3737131.95	0.23817		
399902.79	3737131.95	0.23988	399922.79
3737131.95	0.24152		
399942.79	3737131.95	0.24311	399962.79
3737131.95	0.24468		
399982.79	3737131.95	0.24626	400002.79
3737131.95	0.24711		
400022.79	3737131.95	0.24957	400042.79
3737131.95	0.25137		
400062.79	3737131.95	0.25329	400082.79
3737131.95	0.25536		
400102.79	3737131.95	0.25691	400122.79
3737131.95	0.25896		
400142.79	3737131.95	0.26131	400162.79
3737131.95	0.26489		
400182.79	3737131.95	0.26794	398682.79
3737151.95	0.13991		
398702.79	3737151.95	0.14241	398722.79
3737151.95	0.14282		
398742.79	3737151.95	0.14357	398762.79
3737151.95	0.14467		
398782.79	3737151.95	0.14611	398802.79
3737151.95	0.14764		
398822.79	3737151.95	0.14841	398842.79
3737151.95	0.14967		

398862.79	3737151.95	0.15028	398882.79
3737151.95	0.15125		
398902.79	3737151.95	0.15213	398922.79
3737151.95	0.15312		
398942.79	3737151.95	0.15431	398962.79
3737151.95	0.15537		
398982.79	3737151.95	0.15601	399002.79
3737151.95	0.15705		
399022.79	3737151.95	0.15878	399042.79
3737151.95	0.15994		
399062.79	3737151.95	0.16080	399082.79
3737151.95	0.16170		
399102.79	3737151.95	0.16300	399122.79
3737151.95	0.16427		
399142.79	3737151.95	0.16506	399162.79
3737151.95	0.16637		
399182.79	3737151.95	0.16780	399202.79
3737151.95	0.16886		
399222.79	3737151.95	0.16905	399242.79
3737151.95	0.17001		
399262.79	3737151.95	0.17217	399282.79
3737151.95	0.17383		
399302.79	3737151.95	0.17508	399322.79
3737151.95	0.17654		
399342.79	3737151.95	0.17816	399362.79
3737151.95	0.17968		
399382.79	3737151.95	0.18088	399402.79
3737151.95	0.18301		
399422.79	3737151.95	0.18555	399442.79
3737151.95	0.18691		
399462.79	3737151.95	0.18876	399482.79
3737151.95	0.19125		
399502.79	3737151.95	0.19410	399522.79
3737151.95	0.19668		
399542.79	3737151.95	0.19898	399562.79
3737151.95	0.20133		
399582.79	3737151.95	0.20373	399602.79
3737151.95	0.20617		
399622.79	3737151.95	0.20865	399642.79
3737151.95	0.21113		
399662.79	3737151.95	0.21360	399682.79
3737151.95	0.21607		
399702.79	3737151.95	0.21849	399722.79
3737151.95	0.22086		
399742.79	3737151.95	0.22317	399762.79
3737151.95	0.22541		
399782.79	3737151.95	0.22757	399802.79
3737151.95	0.22931		
399822.79	3737151.95	0.23159	399842.79
3737151.95	0.23346		

399862.79 3737151.95 0.23522 399882.79
 3737151.95 0.23688
 *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399902.79	3737151.95	0.23846	399922.79
3737151.95	0.23996		
399942.79	3737151.95	0.24141	399962.79
3737151.95	0.24284		
399982.79	3737151.95	0.24380	400002.79
3737151.95	0.24575		
400022.79	3737151.95	0.24729	400042.79
3737151.95	0.24893		
400062.79	3737151.95	0.25068	400082.79
3737151.95	0.25258		
400102.79	3737151.95	0.25463	400122.79
3737151.95	0.25638		
400142.79	3737151.95	0.25813	400162.79
3737151.95	0.26161		
400182.79	3737151.95	0.26414	398682.79
3737171.95	0.14096		
398702.79	3737171.95	0.14183	398722.79
3737171.95	0.14236		
398742.79	3737171.95	0.14323	398762.79
3737171.95	0.14425		
398782.79	3737171.95	0.14563	398802.79
3737171.95	0.14683		
398822.79	3737171.95	0.14783	398842.79
3737171.95	0.14889		
398862.79	3737171.95	0.14951	398882.79
3737171.95	0.15056		

398902.79	3737171.95	0.15163	398922.79
3737171.95	0.15264		
398942.79	3737171.95	0.15379	398962.79
3737171.95	0.15426		
398982.79	3737171.95	0.15539	399002.79
3737171.95	0.15683		
399022.79	3737171.95	0.15830	399042.79
3737171.95	0.15928		
399062.79	3737171.95	0.16043	399082.79
3737171.95	0.16161		
399102.79	3737171.95	0.16270	399122.79
3737171.95	0.16382		
399142.79	3737171.95	0.16463	399162.79
3737171.95	0.16578		
399182.79	3737171.95	0.16702	399202.79
3737171.95	0.16821		
399222.79	3737171.95	0.16929	399242.79
3737171.95	0.17005		
399262.79	3737171.95	0.17081	399282.79
3737171.95	0.17301		
399302.79	3737171.95	0.17507	399322.79
3737171.95	0.17633		
399342.79	3737171.95	0.17804	399362.79
3737171.95	0.17905		
399382.79	3737171.95	0.18068	399402.79
3737171.95	0.18342		
399422.79	3737171.95	0.18520	399442.79
3737171.95	0.18664		
399462.79	3737171.95	0.18858	399482.79
3737171.95	0.19077		
399502.79	3737171.95	0.19353	399522.79
3737171.95	0.19613		
399542.79	3737171.95	0.19877	399562.79
3737171.95	0.20111		
399582.79	3737171.95	0.20348	399602.79
3737171.95	0.20589		
399622.79	3737171.95	0.20832	399642.79
3737171.95	0.21076		
399662.79	3737171.95	0.21319	399682.79
3737171.95	0.21560		
399702.79	3737171.95	0.21797	399722.79
3737171.95	0.22030		
399742.79	3737171.95	0.22254	399762.79
3737171.95	0.22470		
399782.79	3737171.95	0.22644	399802.79
3737171.95	0.22859		
399822.79	3737171.95	0.23026	399842.79
3737171.95	0.23223		
399862.79	3737171.95	0.23392	399882.79
3737171.95	0.23551		

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399902.79 3737171.95 0.23696 399922.79
3737171.95 0.23834
399942.79 3737171.95 0.23967 399962.79
3737171.95 0.24096

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399982.79	3737171.95	0.24204	400002.79
3737171.95	0.24361		
400022.79	3737171.95	0.24501	400042.79
3737171.95	0.24650		
400062.79	3737171.95	0.24811	400082.79
3737171.95	0.24985		
400102.79	3737171.95	0.25171	400122.79
3737171.95	0.25373		
400142.79	3737171.95	0.25587	400162.79
3737171.95	0.25812		
400182.79	3737171.95	0.26045	398682.79
3737191.95	0.14074		
398702.79	3737191.95	0.14137	398722.79
3737191.95	0.14205		
398742.79	3737191.95	0.14300	398762.79
3737191.95	0.14390		
398782.79	3737191.95	0.14533	398802.79
3737191.95	0.14631		
398822.79	3737191.95	0.14770	398842.79
3737191.95	0.14847		
398862.79	3737191.95	0.14915	398882.79
3737191.95	0.15023		
398902.79	3737191.95	0.15127	398922.79
3737191.95	0.15237		

3737191.95	398942.79	3737191.95	0.15322	398962.79
3737191.95	0.15371			
3737191.95	398982.79	3737191.95	0.15483	399002.79
3737191.95	0.15614			
3737191.95	399022.79	3737191.95	0.15751	399042.79
3737191.95	0.15859			
3737191.95	399062.79	3737191.95	0.15977	399082.79
3737191.95	0.16087			
3737191.95	399102.79	3737191.95	0.16197	399122.79
3737191.95	0.16318			
3737191.95	399142.79	3737191.95	0.16403	399162.79
3737191.95	0.16477			
3737191.95	399182.79	3737191.95	0.16656	399202.79
3737191.95	0.16780			
3737191.95	399222.79	3737191.95	0.16903	399242.79
3737191.95	0.16963			
3737191.95	399262.79	3737191.95	0.17036	399282.79
3737191.95	0.17186			
3737191.95	399302.79	3737191.95	0.17383	399322.79
3737191.95	0.17606			
3737191.95	399342.79	3737191.95	0.17750	399362.79
3737191.95	0.17856			
3737191.95	399382.79	3737191.95	0.18122	399402.79
3737191.95	0.18343			
3737191.95	399422.79	3737191.95	0.18466	399442.79
3737191.95	0.18654			
3737191.95	399462.79	3737191.95	0.18860	399482.79
3737191.95	0.19142			
3737191.95	399502.79	3737191.95	0.19403	399522.79
3737191.95	0.19606			
3737191.95	399542.79	3737191.95	0.19789	399562.79
3737191.95	0.20075			
3737191.95	399582.79	3737191.95	0.20318	399602.79
3737191.95	0.20555			
3737191.95	399622.79	3737191.95	0.20793	399642.79
3737191.95	0.21032			
3737191.95	399662.79	3737191.95	0.21269	399682.79
3737191.95	0.21503			
3737191.95	399702.79	3737191.95	0.21733	399722.79
3737191.95	0.21958			
3737191.95	399742.79	3737191.95	0.22175	399762.79
3737191.95	0.22384			
3737191.95	399782.79	3737191.95	0.22583	399802.79
3737191.95	0.22770			
3737191.95	399822.79	3737191.95	0.22917	399842.79
3737191.95	0.23096			
3737191.95	399862.79	3737191.95	0.23249	399882.79
3737191.95	0.23368			
3737191.95	399902.79	3737191.95	0.23535	399922.79
3737191.95	0.23665			

399942.79	3737191.95	0.23786	399962.79
3737191.95	0.23882		
399982.79	3737191.95	0.24024	400002.79
3737191.95	0.24146		
400022.79	3737191.95	0.24273	400042.79
3737191.95	0.24409		

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*** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                          ***      10/21/20
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***                               ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
-----	-----	-----	-----
400062.79	3737191.95	0.24555	400082.79
3737191.95	0.24713		
400102.79	3737191.95	0.24884	400122.79
3737191.95	0.25069		
400142.79	3737191.95	0.25266	400162.79
3737191.95	0.25472		
400182.79	3737191.95	0.25686	398682.79
3737211.95	0.14050		
398702.79	3737211.95	0.14127	398722.79
3737211.95	0.14218		
398742.79	3737211.95	0.14314	398762.79
3737211.95	0.14368		
398782.79	3737211.95	0.14503	398802.79
3737211.95	0.14613		
398822.79	3737211.95	0.14704	398842.79
3737211.95	0.14799		
398862.79	3737211.95	0.14893	398882.79
3737211.95	0.14974		
398902.79	3737211.95	0.15075	398922.79
3737211.95	0.15156		
398942.79	3737211.95	0.15266	398962.79
3737211.95	0.15363		

3737211.95	398982.79	3737211.95	0.15439	399002.79
3737211.95	0.15536			
3737211.95	399022.79	3737211.95	0.15632	399042.79
3737211.95	0.15765			
3737211.95	399062.79	3737211.95	0.15934	399082.79
3737211.95	0.16030			
3737211.95	399102.79	3737211.95	0.16146	399122.79
3737211.95	0.16260			
3737211.95	399142.79	3737211.95	0.16366	399162.79
3737211.95	0.16417			
3737211.95	399182.79	3737211.95	0.16574	399202.79
3737211.95	0.16728			
3737211.95	399222.79	3737211.95	0.16853	399242.79
3737211.95	0.16881			
3737211.95	399262.79	3737211.95	0.17013	399282.79
3737211.95	0.17162			
3737211.95	399302.79	3737211.95	0.17366	399322.79
3737211.95	0.17499			
3737211.95	399342.79	3737211.95	0.17650	399362.79
3737211.95	0.17853			
3737211.95	399382.79	3737211.95	0.18174	399402.79
3737211.95	0.18359			
3737211.95	399422.79	3737211.95	0.18519	399442.79
3737211.95	0.18688			
3737211.95	399462.79	3737211.95	0.18917	399482.79
3737211.95	0.19163			
3737211.95	399502.79	3737211.95	0.19378	399522.79
3737211.95	0.19598			
3737211.95	399542.79	3737211.95	0.19811	399562.79
3737211.95	0.20007			
3737211.95	399582.79	3737211.95	0.20282	399602.79
3737211.95	0.20514			
3737211.95	399622.79	3737211.95	0.20747	399642.79
3737211.95	0.20980			
3737211.95	399662.79	3737211.95	0.21210	399682.79
3737211.95	0.21438			
3737211.95	399702.79	3737211.95	0.21659	399722.79
3737211.95	0.21875			
3737211.95	399742.79	3737211.95	0.22084	399762.79
3737211.95	0.22284			
3737211.95	399782.79	3737211.95	0.22473	399802.79
3737211.95	0.22653			
3737211.95	399822.79	3737211.95	0.22766	399842.79
3737211.95	0.22931			
3737211.95	399862.79	3737211.95	0.23119	399882.79
3737211.95	0.23252			
3737211.95	399902.79	3737211.95	0.23374	399922.79
3737211.95	0.23490			
3737211.95	399942.79	3737211.95	0.23600	399962.79
3737211.95	0.23686			

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399982.79 3737211.95 0.23817 400002.79
3737211.95 0.23928
400022.79 3737211.95 0.24044 400042.79
3737211.95 0.24167
400062.79 3737211.95 0.24301 400082.79
3737211.95 0.24445
400102.79 3737211.95 0.24602 400122.79
3737211.95 0.24771

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*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
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*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
400142.79	3737211.95	0.24951	400162.79
3737211.95	0.25141		
400182.79	3737211.95	0.25338	398682.79
3737231.95	0.13993		
398702.79	3737231.95	0.14092	398722.79
3737231.95	0.14173		
398742.79	3737231.95	0.14259	398762.79
3737231.95	0.14325		
398782.79	3737231.95	0.14437	398802.79
3737231.95	0.14557		
398822.79	3737231.95	0.14658	398842.79
3737231.95	0.14746		
398862.79	3737231.95	0.14849	398882.79
3737231.95	0.14938		
398902.79	3737231.95	0.15039	398922.79
3737231.95	0.15116		
398942.79	3737231.95	0.15202	398962.79
3737231.95	0.15318		
398982.79	3737231.95	0.15436	399002.79
3737231.95	0.15504		

3737231.95	399022.79	3737231.95	0.15566	399042.79
	0.15709			
3737231.95	399062.79	3737231.95	0.15884	399082.79
	0.15975			
3737231.95	399102.79	3737231.95	0.16101	399122.79
	0.16162			
3737231.95	399142.79	3737231.95	0.16232	399162.79
	0.16372			
3737231.95	399182.79	3737231.95	0.16536	399202.79
	0.16686			
3737231.95	399222.79	3737231.95	0.16821	399242.79
	0.16905			
3737231.95	399262.79	3737231.95	0.17007	399282.79
	0.17170			
3737231.95	399302.79	3737231.95	0.17402	399322.79
	0.17491			
3737231.95	399342.79	3737231.95	0.17641	399362.79
	0.17962			
3737231.95	399382.79	3737231.95	0.18139	399402.79
	0.18332			
3737231.95	399422.79	3737231.95	0.18525	399442.79
	0.18723			
3737231.95	399462.79	3737231.95	0.18926	399482.79
	0.19136			
3737231.95	399502.79	3737231.95	0.19350	399522.79
	0.19568			
3737231.95	399542.79	3737231.95	0.19789	399562.79
	0.20014			
3737231.95	399582.79	3737231.95	0.20217	399602.79
	0.20424			
3737231.95	399622.79	3737231.95	0.20696	399642.79
	0.20922			
3737231.95	399662.79	3737231.95	0.21146	399682.79
	0.21365			
3737231.95	399702.79	3737231.95	0.21578	399722.79
	0.21786			
3737231.95	399742.79	3737231.95	0.21984	399762.79
	0.22174			
3737231.95	399782.79	3737231.95	0.22354	399802.79
	0.22523			
3737231.95	399822.79	3737231.95	0.22681	399842.79
	0.22781			
3737231.95	399862.79	3737231.95	0.22961	399882.79
	0.23085			
3737231.95	399902.79	3737231.95	0.23200	399922.79
	0.23307			
3737231.95	399942.79	3737231.95	0.23386	399962.79
	0.23471			
3737231.95	399982.79	3737231.95	0.23596	400002.79
	0.23706			

400022.79	3737231.95	0.23812	400042.79
3737231.95	0.23925		
400062.79	3737231.95	0.24046	400082.79
3737231.95	0.24179		
400102.79	3737231.95	0.24322	400122.79
3737231.95	0.24477		
400142.79	3737231.95	0.24642	400162.79
3737231.95	0.24817		
400182.79	3737231.95	0.24998	398682.79
3737251.95	0.13912		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398702.79	3737251.95	0.14003	398722.79
3737251.95	0.14098		
398742.79	3737251.95	0.14233	398762.79
3737251.95	0.14317		
398782.79	3737251.95	0.14383	398802.79
3737251.95	0.14512		
398822.79	3737251.95	0.14591	398842.79
3737251.95	0.14676		
398862.79	3737251.95	0.14789	398882.79
3737251.95	0.14876		
398902.79	3737251.95	0.14956	398922.79
3737251.95	0.15061		
398942.79	3737251.95	0.15152	398962.79
3737251.95	0.15217		
398982.79	3737251.95	0.15355	399002.79
3737251.95	0.15503		
399022.79	3737251.95	0.15587	399042.79
3737251.95	0.15681		

3737251.95	399062.79	3737251.95	0.15821	399082.79
	0.15927			
3737251.95	399102.79	3737251.95	0.16035	399122.79
	0.16125			
3737251.95	399142.79	3737251.95	0.16242	399162.79
	0.16395			
3737251.95	399182.79	3737251.95	0.16478	399202.79
	0.16627			
3737251.95	399222.79	3737251.95	0.16789	399242.79
	0.16940			
3737251.95	399262.79	3737251.95	0.17054	399282.79
	0.17199			
3737251.95	399302.79	3737251.95	0.17347	399322.79
	0.17445			
3737251.95	399342.79	3737251.95	0.17697	399362.79
	0.17916			
3737251.95	399382.79	3737251.95	0.18117	399402.79
	0.18304			
3737251.95	399422.79	3737251.95	0.18496	399442.79
	0.18694			
3737251.95	399462.79	3737251.95	0.18898	399482.79
	0.19105			
3737251.95	399502.79	3737251.95	0.19318	399522.79
	0.19533			
3737251.95	399542.79	3737251.95	0.19752	399562.79
	0.19973			
3737251.95	399582.79	3737251.95	0.20129	399602.79
	0.20346			
3737251.95	399622.79	3737251.95	0.20591	399642.79
	0.20858			
3737251.95	399662.79	3737251.95	0.21075	399682.79
	0.21285			
3737251.95	399702.79	3737251.95	0.21490	399722.79
	0.21688			
3737251.95	399742.79	3737251.95	0.21878	399762.79
	0.22057			
3737251.95	399782.79	3737251.95	0.22226	399802.79
	0.22385			
3737251.95	399822.79	3737251.95	0.22532	399842.79
	0.22668			
3737251.95	399862.79	3737251.95	0.22792	399882.79
	0.22907			
3737251.95	399902.79	3737251.95	0.23014	399922.79
	0.23112			
3737251.95	399942.79	3737251.95	0.23202	399962.79
	0.23280			
3737251.95	399982.79	3737251.95	0.23366	400002.79
	0.23479			
3737251.95	400022.79	3737251.95	0.23575	400042.79
	0.23679			

400062.79	3737251.95	0.23790	400082.79
3737251.95	0.23912		
400102.79	3737251.95	0.24043	400122.79
3737251.95	0.24186		
400142.79	3737251.95	0.24337	400162.79
3737251.95	0.24497		
400182.79	3737251.95	0.24664	398682.79
3737271.95	0.13884		
398702.79	3737271.95	0.13961	398722.79
3737271.95	0.14054		
398742.79	3737271.95	0.14182	398762.79
3737271.95	0.14283		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

398782.79	3737271.95	0.14328	398802.79
3737271.95	0.14464		
398822.79	3737271.95	0.14534	398842.79
3737271.95	0.14589		
398862.79	3737271.95	0.14669	398882.79
3737271.95	0.14773		
398902.79	3737271.95	0.14884	398922.79
3737271.95	0.15013		
398942.79	3737271.95	0.15111	398962.79
3737271.95	0.15185		
398982.79	3737271.95	0.15291	399002.79
3737271.95	0.15430		
399022.79	3737271.95	0.15555	399042.79
3737271.95	0.15663		
399062.79	3737271.95	0.15724	399082.79
3737271.95	0.15795		

3737271.95	399102.79	3737271.95	0.15931	399122.79
	0.16095			
3737271.95	399142.79	3737271.95	0.16219	399162.79
	0.16339			
3737271.95	399182.79	3737271.95	0.16477	399202.79
	0.16619			
3737271.95	399222.79	3737271.95	0.16769	399242.79
	0.16916			
3737271.95	399262.79	3737271.95	0.17062	399282.79
	0.17186			
3737271.95	399302.79	3737271.95	0.17266	399322.79
	0.17426			
3737271.95	399342.79	3737271.95	0.17697	399362.79
	0.17902			
3737271.95	399382.79	3737271.95	0.18084	399402.79
	0.18274			
3737271.95	399422.79	3737271.95	0.18466	399442.79
	0.18664			
3737271.95	399462.79	3737271.95	0.18866	399482.79
	0.19072			
3737271.95	399502.79	3737271.95	0.19283	399522.79
	0.19495			
3737271.95	399542.79	3737271.95	0.19711	399562.79
	0.19928			
3737271.95	399582.79	3737271.95	0.20103	399602.79
	0.20315			
3737271.95	399622.79	3737271.95	0.20569	399642.79
	0.20789			
3737271.95	399662.79	3737271.95	0.20997	399682.79
	0.21200			
3737271.95	399702.79	3737271.95	0.21397	399722.79
	0.21585			
3737271.95	399742.79	3737271.95	0.21765	399762.79
	0.21935			
3737271.95	399782.79	3737271.95	0.22089	399802.79
	0.22242			
3737271.95	399822.79	3737271.95	0.22377	399842.79
	0.22503			
3737271.95	399862.79	3737271.95	0.22618	399882.79
	0.22723			
3737271.95	399902.79	3737271.95	0.22820	399922.79
	0.22910			
3737271.95	399942.79	3737271.95	0.22996	399962.79
	0.23078			
3737271.95	399982.79	3737271.95	0.23156	400002.79
	0.23244			
3737271.95	400022.79	3737271.95	0.23332	400042.79
	0.23426			
3737271.95	400062.79	3737271.95	0.23529	400082.79
	0.23641			

400102.79	3737271.95	0.23762	400122.79
3737271.95	0.23894		
400142.79	3737271.95	0.24033	400162.79
3737271.95	0.24181		
400182.79	3737271.95	0.24310	398682.79
3737291.95	0.13850		
398702.79	3737291.95	0.13915	398722.79
3737291.95	0.14015		
398742.79	3737291.95	0.14133	398762.79
3737291.95	0.14235		
398782.79	3737291.95	0.14276	398802.79
3737291.95	0.14409		
398822.79	3737291.95	0.14472	398842.79
3737291.95	0.14533		

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^ *** AERMOD - VERSION 19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                          ***   10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398862.79	3737291.95	0.14611	398882.79
3737291.95	0.14689		
398902.79	3737291.95	0.14792	398922.79
3737291.95	0.14925		
398942.79	3737291.95	0.15061	398962.79
3737291.95	0.15172		
398982.79	3737291.95	0.15267	399002.79
3737291.95	0.15385		
399022.79	3737291.95	0.15470	399042.79
3737291.95	0.15572		
399062.79	3737291.95	0.15629	399082.79
3737291.95	0.15713		
399102.79	3737291.95	0.15888	399122.79
3737291.95	0.16050		

3737291.95	399142.79	3737291.95	0.16171	399162.79
3737291.95	0.16308			
3737291.95	399182.79	3737291.95	0.16439	399202.79
3737291.95	0.16586			
3737291.95	399222.79	3737291.95	0.16735	399242.79
3737291.95	0.16886			
3737291.95	399262.79	3737291.95	0.17001	399282.79
3737291.95	0.17121			
3737291.95	399302.79	3737291.95	0.17233	399322.79
3737291.95	0.17509			
3737291.95	399342.79	3737291.95	0.17653	399362.79
3737291.95	0.17864			
3737291.95	399382.79	3737291.95	0.18055	399402.79
3737291.95	0.18242			
3737291.95	399422.79	3737291.95	0.18435	399442.79
3737291.95	0.18631			
3737291.95	399462.79	3737291.95	0.18832	399482.79
3737291.95	0.19036			
3737291.95	399502.79	3737291.95	0.19244	399522.79
3737291.95	0.19454			
3737291.95	399542.79	3737291.95	0.19666	399562.79
3737291.95	0.19878			
3737291.95	399582.79	3737291.95	0.20056	399602.79
3737291.95	0.20271			
3737291.95	399622.79	3737291.95	0.20510	399642.79
3737291.95	0.20716			
3737291.95	399662.79	3737291.95	0.20916	399682.79
3737291.95	0.21110			
3737291.95	399702.79	3737291.95	0.21298	399722.79
3737291.95	0.21477			
3737291.95	399742.79	3737291.95	0.21647	399762.79
3737291.95	0.21807			
3737291.95	399782.79	3737291.95	0.21956	399802.79
3737291.95	0.22094			
3737291.95	399822.79	3737291.95	0.22220	399842.79
3737291.95	0.22335			
3737291.95	399862.79	3737291.95	0.22440	399882.79
3737291.95	0.22536			
3737291.95	399902.79	3737291.95	0.22624	399922.79
3737291.95	0.22707			
3737291.95	399942.79	3737291.95	0.22783	399962.79
3737291.95	0.22847			
3737291.95	399982.79	3737291.95	0.22930	400002.79
3737291.95	0.23005			
3737291.95	400022.79	3737291.95	0.23085	400042.79
3737291.95	0.23171			
3737291.95	400062.79	3737291.95	0.23264	400082.79
3737291.95	0.23366			
3737291.95	400102.79	3737291.95	0.23477	400122.79
3737291.95	0.23597			

400142.79	3737291.95	0.23726	400162.79
3737291.95	0.23861		
400182.79	3737291.95	0.23969	398682.79
3737311.95	0.13809		
398702.79	3737311.95	0.13877	398722.79
3737311.95	0.13987		
398742.79	3737311.95	0.14130	398762.79
3737311.95	0.14191		
398782.79	3737311.95	0.14231	398802.79
3737311.95	0.14353		
398822.79	3737311.95	0.14442	398842.79
3737311.95	0.14497		
398862.79	3737311.95	0.14560	398882.79
3737311.95	0.14639		
398902.79	3737311.95	0.14718	398922.79
3737311.95	0.14811		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
398942.79	3737311.95	0.14945	398962.79
3737311.95	0.15115		
398982.79	3737311.95	0.15224	399002.79
3737311.95	0.15324		
399022.79	3737311.95	0.15436	399042.79
3737311.95	0.15491		
399062.79	3737311.95	0.15572	399082.79
3737311.95	0.15716		
399102.79	3737311.95	0.15870	399122.79
3737311.95	0.15996		
399142.79	3737311.95	0.16109	399162.79
3737311.95	0.16219		

399182.79	3737311.95	0.16364	399202.79
3737311.95	0.16550		
399222.79	3737311.95	0.16686	399242.79
3737311.95	0.16839		
399262.79	3737311.95	0.16961	399282.79
3737311.95	0.17048		
399302.79	3737311.95	0.17273	399322.79
3737311.95	0.17466		
399342.79	3737311.95	0.17660	399362.79
3737311.95	0.17831		
399382.79	3737311.95	0.17993	399402.79
3737311.95	0.18209		
399422.79	3737311.95	0.18400	399442.79
3737311.95	0.18596		
399462.79	3737311.95	0.18795	399482.79
3737311.95	0.18998		
399502.79	3737311.95	0.19203	399522.79
3737311.95	0.19409		
399542.79	3737311.95	0.19617	399562.79
3737311.95	0.19825		
399582.79	3737311.95	0.20031	399602.79
3737311.95	0.20237		
399622.79	3737311.95	0.20440	399642.79
3737311.95	0.20637		
399662.79	3737311.95	0.20830	399682.79
3737311.95	0.21016		
399702.79	3737311.95	0.21195	399722.79
3737311.95	0.21364		
399742.79	3737311.95	0.21525	399762.79
3737311.95	0.21675		
399782.79	3737311.95	0.21815	399802.79
3737311.95	0.21942		
399822.79	3737311.95	0.22060	399842.79
3737311.95	0.22165		
399862.79	3737311.95	0.22261	399882.79
3737311.95	0.22348		
399902.79	3737311.95	0.22427	399922.79
3737311.95	0.22500		
399942.79	3737311.95	0.22523	399962.79
3737311.95	0.22599		
399982.79	3737311.95	0.22639	400002.79
3737311.95	0.22768		
400022.79	3737311.95	0.22839	400042.79
3737311.95	0.22916		
400062.79	3737311.95	0.23000	400082.79
3737311.95	0.23092		
400102.79	3737311.95	0.23193	400122.79
3737311.95	0.23303		
400142.79	3737311.95	0.23421	400162.79
3737311.95	0.23542		

400182.79	3737311.95	0.23666	398682.79
3737331.95	0.13770		
398702.79	3737331.95	0.13863	398722.79
3737331.95	0.13990		
398742.79	3737331.95	0.14077	398762.79
3737331.95	0.14160		
398782.79	3737331.95	0.14219	398802.79
3737331.95	0.14281		
398822.79	3737331.95	0.14389	398842.79
3737331.95	0.14485		
398862.79	3737331.95	0.14536	398882.79
3737331.95	0.14590		
398902.79	3737331.95	0.14676	398922.79
3737331.95	0.14770		
398942.79	3737331.95	0.14861	398962.79
3737331.95	0.14993		
398982.79	3737331.95	0.15147	399002.79
3737331.95	0.15262		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399022.79	3737331.95	0.15377	399042.79
3737331.95	0.15459		
399062.79	3737331.95	0.15539	399082.79
3737331.95	0.15702		
399102.79	3737331.95	0.15832	399122.79
3737331.95	0.15969		
399142.79	3737331.95	0.16062	399162.79
3737331.95	0.16116		
399182.79	3737331.95	0.16264	399202.79
3737331.95	0.16430		

399222.79	3737331.95	0.16647	399242.79
3737331.95	0.16778		
399262.79	3737331.95	0.16870	399282.79
3737331.95	0.17010		
399302.79	3737331.95	0.17246	399322.79
3737331.95	0.17455		
399342.79	3737331.95	0.17616	399362.79
3737331.95	0.17781		
399382.79	3737331.95	0.17899	399402.79
3737331.95	0.18097		
399422.79	3737331.95	0.18348	399442.79
3737331.95	0.18558		
399462.79	3737331.95	0.18755	399482.79
3737331.95	0.18955		
399502.79	3737331.95	0.19157	399522.79
3737331.95	0.19360		
399542.79	3737331.95	0.19564	399562.79
3737331.95	0.19767		
399582.79	3737331.95	0.19969	399602.79
3737331.95	0.20145		
399622.79	3737331.95	0.20363	399642.79
3737331.95	0.20555		
399662.79	3737331.95	0.20740	399682.79
3737331.95	0.20918		
399702.79	3737331.95	0.21088	399722.79
3737331.95	0.21249		
399742.79	3737331.95	0.21399	399762.79
3737331.95	0.21539		
399782.79	3737331.95	0.21670	399802.79
3737331.95	0.21789		
399822.79	3737331.95	0.21896	399842.79
3737331.95	0.21994		
399862.79	3737331.95	0.22080	399882.79
3737331.95	0.22158		
399902.79	3737331.95	0.22175	399922.79
3737331.95	0.22264		
399942.79	3737331.95	0.22261	399962.79
3737331.95	0.22290		
399982.79	3737331.95	0.22401	400002.79
3737331.95	0.22531		
400022.79	3737331.95	0.22534	400042.79
3737331.95	0.22654		
400062.79	3737331.95	0.22740	400082.79
3737331.95	0.22823		
400102.79	3737331.95	0.22915	400122.79
3737331.95	0.23015		
400142.79	3737331.95	0.23123	400162.79
3737331.95	0.23237		
400182.79	3737331.95	0.23356	399862.79
3737351.95	0.13730		

398702.79	3737351.95	0.13829	398722.79
3737351.95	0.13948		
398742.79	3737351.95	0.14034	398762.79
3737351.95	0.14115		
398782.79	3737351.95	0.14201	398802.79
3737351.95	0.14287		
398822.79	3737351.95	0.14330	398842.79
3737351.95	0.14419		
398862.79	3737351.95	0.14491	398882.79
3737351.95	0.14589		
398902.79	3737351.95	0.14647	398922.79
3737351.95	0.14728		
398942.79	3737351.95	0.14818	398962.79
3737351.95	0.14988		
398982.79	3737351.95	0.15117	399002.79
3737351.95	0.15225		
399022.79	3737351.95	0.15300	399042.79
3737351.95	0.15421		
399062.79	3737351.95	0.15579	399082.79
3737351.95	0.15673		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399102.79	3737351.95	0.15800	399122.79
3737351.95	0.15903		
399142.79	3737351.95	0.15977	399162.79
3737351.95	0.16094		
399182.79	3737351.95	0.16238	399202.79
3737351.95	0.16380		
399222.79	3737351.95	0.16599	399242.79
3737351.95	0.16703		

399262.79	3737351.95	0.16828	399282.79
3737351.95	0.17031		
399302.79	3737351.95	0.17167	399322.79
3737351.95	0.17348		
399342.79	3737351.95	0.17544	399362.79
3737351.95	0.17678		
399382.79	3737351.95	0.17845	399402.79
3737351.95	0.18035		
399422.79	3737351.95	0.18229	399442.79
3737351.95	0.18462		
399462.79	3737351.95	0.18713	399482.79
3737351.95	0.18910		
399502.79	3737351.95	0.19109	399522.79
3737351.95	0.19308		
399542.79	3737351.95	0.19507	399562.79
3737351.95	0.19705		
399582.79	3737351.95	0.19901	399602.79
3737351.95	0.20095		
399622.79	3737351.95	0.20284	399642.79
3737351.95	0.20467		
399662.79	3737351.95	0.20645	399682.79
3737351.95	0.20806		
399702.79	3737351.95	0.20976	399722.79
3737351.95	0.21128		
399742.79	3737351.95	0.21270	399762.79
3737351.95	0.21401		
399782.79	3737351.95	0.21522	399802.79
3737351.95	0.21632		
399822.79	3737351.95	0.21731	399842.79
3737351.95	0.21819		
399862.79	3737351.95	0.21898	399882.79
3737351.95	0.21905		
399902.79	3737351.95	0.21871	399922.79
3737351.95	0.22015		
399942.79	3737351.95	0.22073	399962.79
3737351.95	0.22081		
399982.79	3737351.95	0.22155	400002.79
3737351.95	0.22257		
400022.79	3737351.95	0.22288	400042.79
3737351.95	0.22335		
400062.79	3737351.95	0.22473	400082.79
3737351.95	0.22504		
400102.79	3737351.95	0.22617	400122.79
3737351.95	0.22718		
400142.79	3737351.95	0.22792	400162.79
3737351.95	0.22878		
400182.79	3737351.95	0.22996	398682.79
3737371.95	0.13678		
398702.79	3737371.95	0.13793	398722.79
3737371.95	0.13870		

3737371.95	399302.79	3737371.95	0.17171	399322.79
3737371.95	0.17332			
3737371.95	399342.79	3737371.95	0.17454	399362.79
3737371.95	0.17623			
3737371.95	399382.79	3737371.95	0.17799	399402.79
3737371.95	0.17985			
3737371.95	399422.79	3737371.95	0.18173	399442.79
3737371.95	0.18475			
3737371.95	399462.79	3737371.95	0.18667	399482.79
3737371.95	0.18862			
3737371.95	399502.79	3737371.95	0.19057	399522.79
3737371.95	0.19253			
3737371.95	399542.79	3737371.95	0.19447	399562.79
3737371.95	0.19640			
3737371.95	399582.79	3737371.95	0.19830	399602.79
3737371.95	0.20017			
3737371.95	399622.79	3737371.95	0.20200	399642.79
3737371.95	0.20376			
3737371.95	399662.79	3737371.95	0.20546	399682.79
3737371.95	0.20708			
3737371.95	399702.79	3737371.95	0.20852	399722.79
3737371.95	0.21005			
3737371.95	399742.79	3737371.95	0.21137	399762.79
3737371.95	0.21260			
3737371.95	399782.79	3737371.95	0.21372	399802.79
3737371.95	0.21474			
3737371.95	399822.79	3737371.95	0.21564	399842.79
3737371.95	0.21644			
3737371.95	399862.79	3737371.95	0.21716	399882.79
3737371.95	0.21693			
3737371.95	399902.79	3737371.95	0.21684	399922.79
3737371.95	0.21761			
3737371.95	399942.79	3737371.95	0.21797	399962.79
3737371.95	0.21846			
3737371.95	399982.79	3737371.95	0.21950	400002.79
3737371.95	0.21996			
3737371.95	400022.79	3737371.95	0.22060	400042.79
3737371.95	0.22120			
3737371.95	400062.79	3737371.95	0.22138	400082.79
3737371.95	0.22258			
3737371.95	400102.79	3737371.95	0.22296	400122.79
3737371.95	0.22422			
3737371.95	400142.79	3737371.95	0.22460	400162.79
3737371.95	0.22547			
3737391.95	400182.79	3737371.95	0.22629	398682.79
3737391.95	0.13642			
3737391.95	398702.79	3737391.95	0.13745	398722.79
3737391.95	0.13831			
3737391.95	398742.79	3737391.95	0.13923	398762.79
3737391.95	0.14011			

3737391.95	399342.79	3737391.95	0.17414	399362.79
3737391.95	0.17576			
3737391.95	399382.79	3737391.95	0.17748	399402.79
3737391.95	0.17935			
3737391.95	399422.79	3737391.95	0.18175	399442.79
3737391.95	0.18429			
3737391.95	399462.79	3737391.95	0.18619	399482.79
3737391.95	0.18811			
3737391.95	399502.79	3737391.95	0.19002	399522.79
3737391.95	0.19194			
3737391.95	399542.79	3737391.95	0.19383	399562.79
3737391.95	0.19571			
3737391.95	399582.79	3737391.95	0.19756	399602.79
3737391.95	0.19936			
3737391.95	399622.79	3737391.95	0.20112	399642.79
3737391.95	0.20277			
3737391.95	399662.79	3737391.95	0.20395	399682.79
3737391.95	0.20575			
3737391.95	399702.79	3737391.95	0.20720	399722.79
3737391.95	0.20877			
3737391.95	399742.79	3737391.95	0.21002	399762.79
3737391.95	0.21117			
3737391.95	399782.79	3737391.95	0.21221	399802.79
3737391.95	0.21314			
3737391.95	399822.79	3737391.95	0.21396	399842.79
3737391.95	0.21469			
3737391.95	399862.79	3737391.95	0.21391	399882.79
3737391.95	0.21433			
3737391.95	399902.79	3737391.95	0.21468	399922.79
3737391.95	0.21511			
3737391.95	399942.79	3737391.95	0.21571	399962.79
3737391.95	0.21618			
3737391.95	399982.79	3737391.95	0.21733	400002.79
3737391.95	0.21812			
3737391.95	400022.79	3737391.95	0.21816	400042.79
3737391.95	0.21818			
3737391.95	400062.79	3737391.95	0.21900	400082.79
3737391.95	0.21994			
3737391.95	400102.79	3737391.95	0.22020	400122.79
3737391.95	0.22123			
3737391.95	400142.79	3737391.95	0.22182	400162.79
3737391.95	0.22204			
3737411.95	400182.79	3737391.95	0.22243	398682.79
3737411.95	0.13593			
3737411.95	398702.79	3737411.95	0.13669	398722.79
3737411.95	0.13785			
3737411.95	398742.79	3737411.95	0.13869	398762.79
3737411.95	0.13955			
3737411.95	398782.79	3737411.95	0.14041	398802.79
3737411.95	0.14129			

398822.79	3737411.95	0.14212	398842.79
3737411.95	0.14249		
398862.79	3737411.95	0.14326	398882.79
3737411.95	0.14410		
398902.79	3737411.95	0.14508	398922.79
3737411.95	0.14609		
398942.79	3737411.95	0.14743	398962.79
3737411.95	0.14866		
398982.79	3737411.95	0.14950	399002.79
3737411.95	0.15070		
399022.79	3737411.95	0.15162	399042.79
3737411.95	0.15299		
399062.79	3737411.95	0.15420	399082.79
3737411.95	0.15559		
399102.79	3737411.95	0.15627	399122.79
3737411.95	0.15729		
399142.79	3737411.95	0.15864	399162.79
3737411.95	0.16005		
399182.79	3737411.95	0.16181	399202.79
3737411.95	0.16290		
399222.79	3737411.95	0.16439	399242.79
3737411.95	0.16654		
399262.79	3737411.95	0.16812	399282.79
3737411.95	0.16972		
399302.79	3737411.95	0.17136	399322.79
3737411.95	0.17230		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399342.79	3737411.95	0.17383	399362.79
3737411.95	0.17546		

399382.79	3737411.95	0.17711	399402.79
3737411.95	0.17884		
399422.79	3737411.95	0.18196	399442.79
3737411.95	0.18381		
399462.79	3737411.95	0.18568	399482.79
3737411.95	0.18756		
399502.79	3737411.95	0.18944	399522.79
3737411.95	0.19131		
399542.79	3737411.95	0.19316	399562.79
3737411.95	0.19499		
399582.79	3737411.95	0.19678	399602.79
3737411.95	0.19852		
399622.79	3737411.95	0.20021	399642.79
3737411.95	0.20183		
399662.79	3737411.95	0.20311	399682.79
3737411.95	0.20431		
399702.79	3737411.95	0.20581	399722.79
3737411.95	0.20744		
399742.79	3737411.95	0.20865	399762.79
3737411.95	0.20971		
399782.79	3737411.95	0.21068	399802.79
3737411.95	0.21153		
399822.79	3737411.95	0.21227	399842.79
3737411.95	0.21293		
399862.79	3737411.95	0.21214	399882.79
3737411.95	0.21267		
399902.79	3737411.95	0.21300	399922.79
3737411.95	0.21311		
399942.79	3737411.95	0.21409	399962.79
3737411.95	0.21477		
399982.79	3737411.95	0.21566	400002.79
3737411.95	0.21610		
400022.79	3737411.95	0.21633	400042.79
3737411.95	0.21560		
400062.79	3737411.95	0.21662	400082.79
3737411.95	0.21707		
400102.79	3737411.95	0.21728	400122.79
3737411.95	0.21855		
400142.79	3737411.95	0.21943	400162.79
3737411.95	0.21901		
400182.79	3737411.95	0.21942	398682.79
3737431.95	0.13472		
398702.79	3737431.95	0.13572	398722.79
3737431.95	0.13719		
398742.79	3737431.95	0.13807	398762.79
3737431.95	0.13899		
398782.79	3737431.95	0.13985	398802.79
3737431.95	0.14073		
398822.79	3737431.95	0.14131	398842.79
3737431.95	0.14196		

398862.79	3737431.95	0.14277	398882.79
3737431.95	0.14366		
398902.79	3737431.95	0.14513	398922.79
3737431.95	0.14586		
398942.79	3737431.95	0.14642	398962.79
3737431.95	0.14777		
398982.79	3737431.95	0.14899	399002.79
3737431.95	0.14971		
399022.79	3737431.95	0.15101	399042.79
3737431.95	0.15246		
399062.79	3737431.95	0.15361	399082.79
3737431.95	0.15512		
399102.79	3737431.95	0.15586	399122.79
3737431.95	0.15697		
399142.79	3737431.95	0.15835	399162.79
3737431.95	0.16002		
399182.79	3737431.95	0.16152	399202.79
3737431.95	0.16254		
399222.79	3737431.95	0.16425	399242.79
3737431.95	0.16616		
399262.79	3737431.95	0.16769	399282.79
3737431.95	0.16927		
399302.79	3737431.95	0.17096	399322.79
3737431.95	0.17193		
399342.79	3737431.95	0.17340	399362.79
3737431.95	0.17507		
399382.79	3737431.95	0.17671	399402.79
3737431.95	0.17909		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

PAGE 140

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

399422.79	3737431.95	0.18148	399442.79
3737431.95	0.18331		
399462.79	3737431.95	0.18515	399482.79
3737431.95	0.18699		
399502.79	3737431.95	0.18883	399522.79
3737431.95	0.19065		
399542.79	3737431.95	0.19245	399562.79
3737431.95	0.19423		
399582.79	3737431.95	0.19596	399602.79
3737431.95	0.19764		
399622.79	3737431.95	0.19926	399642.79
3737431.95	0.20047		
399662.79	3737431.95	0.20190	399682.79
3737431.95	0.20286		
399702.79	3737431.95	0.20415	399722.79
3737431.95	0.20530		
399742.79	3737431.95	0.20713	399762.79
3737431.95	0.20825		
399782.79	3737431.95	0.20913	399802.79
3737431.95	0.20990		
399822.79	3737431.95	0.21058	399842.79
3737431.95	0.21116		
399862.79	3737431.95	0.21166	399882.79
3737431.95	0.21140		
399902.79	3737431.95	0.21102	399922.79
3737431.95	0.21104		
399942.79	3737431.95	0.21222	399962.79
3737431.95	0.21299		
399982.79	3737431.95	0.21358	400002.79
3737431.95	0.21387		
400022.79	3737431.95	0.21318	400042.79
3737431.95	0.21315		
400062.79	3737431.95	0.21366	400082.79
3737431.95	0.21414		
400102.79	3737431.95	0.21469	400122.79
3737431.95	0.21561		
400142.79	3737431.95	0.21646	400162.79
3737431.95	0.21647		
400182.79	3737431.95	0.21657	398682.79
3737451.95	0.13406		
398702.79	3737451.95	0.13501	398722.79
3737451.95	0.13623		
398742.79	3737451.95	0.13738	398762.79
3737451.95	0.13834		
398782.79	3737451.95	0.13929	398802.79
3737451.95	0.14017		
398822.79	3737451.95	0.14106	398842.79
3737451.95	0.14156		
398862.79	3737451.95	0.14273	398882.79
3737451.95	0.14350		

398902.79	3737451.95	0.14453	398922.79
3737451.95	0.14509		
398942.79	3737451.95	0.14633	398962.79
3737451.95	0.14701		
398982.79	3737451.95	0.14786	399002.79
3737451.95	0.14898		
399022.79	3737451.95	0.15039	399042.79
3737451.95	0.15191		
399062.79	3737451.95	0.15302	399082.79
3737451.95	0.15440		
399102.79	3737451.95	0.15565	399122.79
3737451.95	0.15700		
399142.79	3737451.95	0.15818	399162.79
3737451.95	0.15989		
399182.79	3737451.95	0.16090	399202.79
3737451.95	0.16226		
399222.79	3737451.95	0.16422	399242.79
3737451.95	0.16575		
399262.79	3737451.95	0.16731	399282.79
3737451.95	0.16891		
399302.79	3737451.95	0.17055	399322.79
3737451.95	0.17199		
399342.79	3737451.95	0.17324	399362.79
3737451.95	0.17473		
399382.79	3737451.95	0.17679	399402.79
3737451.95	0.17918		
399422.79	3737451.95	0.18097	399442.79
3737451.95	0.18278		
399462.79	3737451.95	0.18459	399482.79
3737451.95	0.18639		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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PAGE 141

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

399502.79	3737451.95	0.18819	399522.79
3737451.95	0.18997		
399542.79	3737451.95	0.19171	399562.79
3737451.95	0.19343		
399582.79	3737451.95	0.19510	399602.79
3737451.95	0.19672		
399622.79	3737451.95	0.19827	399642.79
3737451.95	0.19942		
399662.79	3737451.95	0.20070	399682.79
3737451.95	0.20192		
399702.79	3737451.95	0.20344	399722.79
3737451.95	0.20418		
399742.79	3737451.95	0.20511	399762.79
3737451.95	0.20615		
399782.79	3737451.95	0.20756	399802.79
3737451.95	0.20827		
399822.79	3737451.95	0.20839	399842.79
3737451.95	0.20891		
399862.79	3737451.95	0.20912	399882.79
3737451.95	0.21020		
399902.79	3737451.95	0.21019	399922.79
3737451.95	0.20956		
399942.79	3737451.95	0.21040	399962.79
3737451.95	0.21122		
399982.79	3737451.95	0.21143	400002.79
3737451.95	0.21103		
400022.79	3737451.95	0.21035	400042.79
3737451.95	0.21121		
400062.79	3737451.95	0.21175	400082.79
3737451.95	0.21209		
400102.79	3737451.95	0.21237	400122.79
3737451.95	0.21288		
400142.79	3737451.95	0.21312	400162.79
3737451.95	0.21305		
400182.79	3737451.95	0.21309	398682.79
3737471.95	0.13344		
398702.79	3737471.95	0.13434	398722.79
3737471.95	0.13523		
398742.79	3737471.95	0.13690	398762.79
3737471.95	0.13788		
398782.79	3737471.95	0.13874	398802.79
3737471.95	0.13962		
398822.79	3737471.95	0.14051	398842.79
3737471.95	0.14142		
398862.79	3737471.95	0.14234	398882.79
3737471.95	0.14310		
398902.79	3737471.95	0.14374	398922.79
3737471.95	0.14483		

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3737471.95	399582.79	3737471.95	0.19418	399602.79
3737471.95	0.19577			
3737471.95	399622.79	3737471.95	0.19726	399642.79
3737471.95	0.19864			
3737471.95	399662.79	3737471.95	0.19993	399682.79
3737471.95	0.20088			
3737471.95	399702.79	3737471.95	0.20178	399722.79
3737471.95	0.20324			
3737471.95	399742.79	3737471.95	0.20441	399762.79
3737471.95	0.20525			
3737471.95	399782.79	3737471.95	0.20598	399802.79
3737471.95	0.20663			
3737471.95	399822.79	3737471.95	0.20700	399842.79
3737471.95	0.20685			
3737471.95	399862.79	3737471.95	0.20722	399882.79
3737471.95	0.20711			
3737471.95	399902.79	3737471.95	0.20817	399922.79
3737471.95	0.20878			
3737471.95	399942.79	3737471.95	0.20892	399962.79
3737471.95	0.20914			
3737471.95	399982.79	3737471.95	0.20931	400002.79
3737471.95	0.20831			
3737471.95	400022.79	3737471.95	0.20883	400042.79
3737471.95	0.20867			
3737471.95	400062.79	3737471.95	0.20989	400082.79
3737471.95	0.21027			
3737471.95	400102.79	3737471.95	0.21048	400122.79
3737471.95	0.21055			
3737471.95	400142.79	3737471.95	0.20932	400162.79
3737471.95	0.20958			
3737491.95	400182.79	3737471.95	0.21008	398682.79
3737491.95	0.13290			
3737491.95	398702.79	3737491.95	0.13373	398722.79
3737491.95	0.13461			
3737491.95	398742.79	3737491.95	0.13642	398762.79
3737491.95	0.13730			
3737491.95	398782.79	3737491.95	0.13818	398802.79
3737491.95	0.13906			
3737491.95	398822.79	3737491.95	0.13996	398842.79
3737491.95	0.14087			
3737491.95	398862.79	3737491.95	0.14180	398882.79
3737491.95	0.14244			
3737491.95	398902.79	3737491.95	0.14328	398922.79
3737491.95	0.14439			
3737491.95	398942.79	3737491.95	0.14514	398962.79
3737491.95	0.14608			

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399662.79	3737491.95	0.19884	399682.79
3737491.95	0.20002		
399702.79	3737491.95	0.20093	399722.79
3737491.95	0.20186		
399742.79	3737491.95	0.20295	399762.79
3737491.95	0.20372		
399782.79	3737491.95	0.20440	399802.79
3737491.95	0.20498		
399822.79	3737491.95	0.20547	399842.79
3737491.95	0.20587		
399862.79	3737491.95	0.20512	399882.79
3737491.95	0.20538		
399902.79	3737491.95	0.20541	399922.79
3737491.95	0.20557		
399942.79	3737491.95	0.20695	399962.79
3737491.95	0.20708		
399982.79	3737491.95	0.20647	400002.79
3737491.95	0.20666		
400022.79	3737491.95	0.20641	400042.79
3737491.95	0.20697		
400062.79	3737491.95	0.20803	400082.79
3737491.95	0.20835		
400102.79	3737491.95	0.20873	400122.79
3737491.95	0.20860		
400142.79	3737491.95	0.20628	400162.79
3737491.95	0.20650		
400182.79	3737491.95	0.20746	398682.79
3737511.95	0.13261		
398702.79	3737511.95	0.13326	398722.79
3737511.95	0.13412		
398742.79	3737511.95	0.13581	398762.79
3737511.95	0.13675		
398782.79	3737511.95	0.13763	398802.79
3737511.95	0.13852		
398822.79	3737511.95	0.13941	398842.79
3737511.95	0.14033		
398862.79	3737511.95	0.14127	398882.79
3737511.95	0.14186		
398902.79	3737511.95	0.14295	398922.79
3737511.95	0.14380		
398942.79	3737511.95	0.14456	398962.79
3737511.95	0.14553		
398982.79	3737511.95	0.14705	399002.79
3737511.95	0.14810		

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399742.79	3737511.95	0.20149	399762.79
3737511.95	0.20220		
399782.79	3737511.95	0.20281	399802.79
3737511.95	0.20333		
399822.79	3737511.95	0.20376	399842.79
3737511.95	0.20411		
399862.79	3737511.95	0.20382	399882.79
3737511.95	0.20361		
399902.79	3737511.95	0.20385	399922.79
3737511.95	0.20474		
399942.79	3737511.95	0.20496	399962.79
3737511.95	0.20505		
399982.79	3737511.95	0.20514	400002.79
3737511.95	0.20526		
400022.79	3737511.95	0.20461	400042.79
3737511.95	0.20557		
400062.79	3737511.95	0.20579	400082.79
3737511.95	0.20607		
400102.79	3737511.95	0.20640	400122.79
3737511.95	0.20644		
400142.79	3737511.95	0.20387	400162.79
3737511.95	0.20427		
400182.79	3737511.95	0.20501	398682.79
3737531.95	0.13217		
398702.79	3737531.95	0.13281	398722.79
3737531.95	0.13363		
398742.79	3737531.95	0.13528	398762.79
3737531.95	0.13617		
398782.79	3737531.95	0.13709	398802.79
3737531.95	0.13779		
398822.79	3737531.95	0.13878	398842.79
3737531.95	0.13980		
398862.79	3737531.95	0.14057	398882.79
3737531.95	0.14134		
398902.79	3737531.95	0.14240	398922.79
3737531.95	0.14305		
398942.79	3737531.95	0.14392	398962.79
3737531.95	0.14500		
398982.79	3737531.95	0.14652	399002.79
3737531.95	0.14783		
399022.79	3737531.95	0.14864	399042.79
3737531.95	0.15012		

399062.79	3737531.95	0.15141	399082.79
3737531.95	0.15231		
399102.79	3737531.95	0.15329	399122.79
3737531.95	0.15491		
399142.79	3737531.95	0.15658	399162.79
3737531.95	0.15778		
399182.79	3737531.95	0.15945	399202.79
3737531.95	0.16103		
399222.79	3737531.95	0.16251	399242.79
3737531.95	0.16403		
399262.79	3737531.95	0.16558	399282.79
3737531.95	0.16716		
399302.79	3737531.95	0.16876	399322.79
3737531.95	0.17039		
399342.79	3737531.95	0.17203	399362.79
3737531.95	0.17329		
399382.79	3737531.95	0.17485	399402.79
3737531.95	0.17705		
399422.79	3737531.95	0.17821	399442.79
3737531.95	0.17956		
399462.79	3737531.95	0.18198	399482.79
3737531.95	0.18371		
399502.79	3737531.95	0.18533	399522.79
3737531.95	0.18652		
399542.79	3737531.95	0.18840	399562.79
3737531.95	0.18958		
399582.79	3737531.95	0.19140	399602.79
3737531.95	0.19258		
399622.79	3737531.95	0.19391	399642.79
3737531.95	0.19529		
399662.79	3737531.95	0.19642	399682.79
3737531.95	0.19747		
399702.79	3737531.95	0.19841	399722.79
3737531.95	0.19926		
399742.79	3737531.95	0.20001	399762.79
3737531.95	0.20067		
399782.79	3737531.95	0.20122	399802.79
3737531.95	0.20168		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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PAGE 145

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
***
VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S):      STCK1      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399822.79	3737531.95	0.20205	399842.79
3737531.95	0.20160		
399862.79	3737531.95	0.20186	399882.79
3737531.95	0.20182		
399902.79	3737531.95	0.20226	399922.79
3737531.95	0.20294		
399942.79	3737531.95	0.20299	399962.79
3737531.95	0.20304		
399982.79	3737531.95	0.20310	400002.79
3737531.95	0.20317		
400022.79	3737531.95	0.20327	400042.79
3737531.95	0.20341		
400062.79	3737531.95	0.20359	400082.79
3737531.95	0.20383		
400102.79	3737531.95	0.20412	400122.79
3737531.95	0.20374		
400142.79	3737531.95	0.20178	400162.79
3737531.95	0.20190		
400182.79	3737531.95	0.20258	398682.79
3737551.95	0.13160		
398702.79	3737551.95	0.13235	398722.79
3737551.95	0.13318		
398742.79	3737551.95	0.13476	398762.79
3737551.95	0.13559		
398782.79	3737551.95	0.13653	398802.79
3737551.95	0.13710		
398822.79	3737551.95	0.13794	398842.79
3737551.95	0.13896		
398862.79	3737551.95	0.14001	398882.79
3737551.95	0.14083		
398902.79	3737551.95	0.14149	398922.79
3737551.95	0.14244		
398942.79	3737551.95	0.14334	398962.79
3737551.95	0.14431		
398982.79	3737551.95	0.14610	399002.79
3737551.95	0.14727		
399022.79	3737551.95	0.14811	399042.79
3737551.95	0.14953		
399062.79	3737551.95	0.15087	399082.79
3737551.95	0.15188		

3737551.95	399102.79	3737551.95	0.15307	399122.79
	0.15461			
3737551.95	399142.79	3737551.95	0.15632	399162.79
	0.15750			
3737551.95	399182.79	3737551.95	0.15913	399202.79
	0.16059			
3737551.95	399222.79	3737551.95	0.16207	399242.79
	0.16358			
3737551.95	399262.79	3737551.95	0.16513	399282.79
	0.16669			
3737551.95	399302.79	3737551.95	0.16814	399322.79
	0.16990			
3737551.95	399342.79	3737551.95	0.17152	399362.79
	0.17244			
3737551.95	399382.79	3737551.95	0.17385	399402.79
	0.17620			
3737551.95	399422.79	3737551.95	0.17771	399442.79
	0.17901			
3737551.95	399462.79	3737551.95	0.18135	399482.79
	0.18298			
3737551.95	399502.79	3737551.95	0.18456	399522.79
	0.18609			
3737551.95	399542.79	3737551.95	0.18731	399562.79
	0.18865			
3737551.95	399582.79	3737551.95	0.19040	399602.79
	0.19172			
3737551.95	399622.79	3737551.95	0.19295	399642.79
	0.19411			
3737551.95	399662.79	3737551.95	0.19519	399682.79
	0.19616			
3737551.95	399702.79	3737551.95	0.19705	399722.79
	0.19783			
3737551.95	399742.79	3737551.95	0.19853	399762.79
	0.19912			
3737551.95	399782.79	3737551.95	0.19954	399802.79
	0.19958			
3737551.95	399822.79	3737551.95	0.20010	399842.79
	0.19920			
3737551.95	399862.79	3737551.95	0.19942	399882.79
	0.19923			

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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PAGE 146

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
399902.79	3737551.95	0.20098	399922.79
3737551.95	0.20102		
399942.79	3737551.95	0.20105	399962.79
3737551.95	0.20106		
399982.79	3737551.95	0.20001	400002.79
3737551.95	0.20016		
400022.79	3737551.95	0.19987	400042.79
3737551.95	0.20029		
400062.79	3737551.95	0.20068	400082.79
3737551.95	0.20084		
400102.79	3737551.95	0.20046	400122.79
3737551.95	0.20066		
400142.79	3737551.95	0.19937	400162.79
3737551.95	0.19967		
400182.79	3737551.95	0.20020	398315.82
3734124.08	0.05942		
398509.09	3734124.08	0.05950	398702.36
3734124.08	0.05994		
398895.63	3734124.08	0.06059	399088.90
3734124.08	0.06186		
399282.17	3734124.08	0.06401	399475.44
3734124.08	0.06449		
399668.71	3734124.08	0.06625	399861.98
3734124.08	0.06922		
400055.25	3734124.08	0.07418	400248.52
3734124.08	0.08151		
400441.79	3734124.08	0.09198	400635.06
3734124.08	0.10562		
400828.33	3734124.08	0.12535	401021.60
3734124.08	0.14923		
401214.87	3734124.08	0.17714	401408.14
3734124.08	0.21150		
401601.41	3734124.08	0.24811	401794.68
3734124.08	0.28366		
401987.95	3734124.08	0.31643	402181.22
3734124.08	0.33794		
398315.82	3734299.90	0.06446	398509.09
3734299.90	0.06296		

398702.36	3734299.90	0.06266	398895.63
3734299.90	0.06266		
399088.90	3734299.90	0.06344	399282.17
3734299.90	0.06651		
399475.44	3734299.90	0.06823	399668.71
3734299.90	0.07000		
399861.98	3734299.90	0.07262	400055.25
3734299.90	0.07835		
400248.52	3734299.90	0.08679	400441.79
3734299.90	0.09940		
400635.06	3734299.90	0.11738	400828.33
3734299.90	0.14090		
401021.60	3734299.90	0.17263	401214.87
3734299.90	0.20789		
401408.14	3734299.90	0.25122	401601.41
3734299.90	0.29737		
401794.68	3734299.90	0.33842	401987.95
3734299.90	0.36878		
402181.22	3734299.90	0.38182	398315.82
3734475.72	0.06923		
398509.09	3734475.72	0.06705	398702.36
3734475.72	0.06461		
398895.63	3734475.72	0.06377	399088.90
3734475.72	0.06301		
399282.17	3734475.72	0.06869	399475.44
3734475.72	0.07278		
399668.71	3734475.72	0.07345	399861.98
3734475.72	0.07581		
400055.25	3734475.72	0.08175	400248.52
3734475.72	0.09173		
400441.79	3734475.72	0.10692	400635.06
3734475.72	0.13259		
400828.33	3734475.72	0.15644	401021.60
3734475.72	0.19932		
401214.87	3734475.72	0.24918	401408.14
3734475.72	0.30640		
401601.41	3734475.72	0.36135	401794.68
3734475.72	0.40103		
401987.95	3734475.72	0.41973	402181.22
3734475.72	0.41856		
398315.82	3734651.54	0.07179	398509.09
3734651.54	0.07003		

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▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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VALUES FOR SOURCE GROUP: ALL

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
398702.36	3734651.54	0.06798	398895.63
3734651.54	0.06646		
399088.90	3734651.54	0.06589	399282.17
3734651.54	0.07303		
399475.44	3734651.54	0.07748	399668.71
3734651.54	0.07933		
399861.98	3734651.54	0.08270	400055.25
3734651.54	0.08899		
400248.52	3734651.54	0.09781	400441.79
3734651.54	0.11448		
400635.06	3734651.54	0.14231	400828.33
3734651.54	0.18097		
401021.60	3734651.54	0.24063	401214.87
3734651.54	0.31047		
401408.14	3734651.54	0.38221	401601.41
3734651.54	0.43815		
401794.68	3734651.54	0.46783	401987.95
3734651.54	0.46654		
402181.22	3734651.54	0.44460	398315.82
3734827.36	0.07716		
398509.09	3734827.36	0.07505	398702.36
3734827.36	0.07416		
398895.63	3734827.36	0.07386	399088.90
3734827.36	0.07334		
399282.17	3734827.36	0.07441	399475.44
3734827.36	0.07954		
399668.71	3734827.36	0.08235	399861.98
3734827.36	0.08318		
400055.25	3734827.36	0.09199	400248.52
3734827.36	0.10393		
400441.79	3734827.36	0.12496	400635.06
3734827.36	0.16153		
400828.33	3734827.36	0.22142	401021.60
3734827.36	0.30144		
401214.87	3734827.36	0.39568	401408.14
3734827.36	0.47459		

401601.41	3734827.36	0.51781	401794.68
3734827.36	0.52114		
401987.95	3734827.36	0.49194	402181.22
3734827.36	0.44542		
398315.82	3735003.18	0.09837	398509.09
3735003.18	0.09805		
398702.36	3735003.18	0.09646	398895.63
3735003.18	0.08977		
399088.90	3735003.18	0.08205	399282.17
3735003.18	0.08049		
399475.44	3735003.18	0.08241	399668.71
3735003.18	0.08902		
399861.98	3735003.18	0.08821	400055.25
3735003.18	0.09572		
400248.52	3735003.18	0.11148	400441.79
3735003.18	0.13459		
400635.06	3735003.18	0.18495	400828.33
3735003.18	0.27463		
401021.60	3735003.18	0.39581	401214.87
3735003.18	0.50976		
401408.14	3735003.18	0.57633	401601.41
3735003.18	0.58301		
401794.68	3735003.18	0.54515	401987.95
3735003.18	0.48417		
402181.22	3735003.18	0.41770	398315.82
3735179.00	0.10915		
398509.09	3735179.00	0.11149	398702.36
3735179.00	0.10998		
398895.63	3735179.00	0.10961	399088.90
3735179.00	0.09333		
399282.17	3735179.00	0.09064	399475.44
3735179.00	0.08853		
399668.71	3735179.00	0.09162	399861.98
3735179.00	0.09083		
400055.25	3735179.00	0.09826	400248.52
3735179.00	0.11591		
400441.79	3735179.00	0.15035	400635.06
3735179.00	0.22611		
400828.33	3735179.00	0.36471	401021.60
3735179.00	0.53854		
401214.87	3735179.00	0.64142	401408.14
3735179.00	0.65629		
401601.41	3735179.00	0.60457	401794.68
3735179.00	0.52296		

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▲ *** AERMOD - VERSION 19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                          ***   10/21/20
*** AERMET - VERSION 16216 ***     ***
***                                  ***
10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
401987.95	3735179.00	0.43835	402181.22
3735179.00	0.36302		
398315.82	3735354.82	0.12035	398509.09
3735354.82	0.12269		
398702.36	3735354.82	0.12530	398895.63
3735354.82	0.12211		
399088.90	3735354.82	0.12363	399282.17
3735354.82	0.10700		
399475.44	3735354.82	0.10043	399668.71
3735354.82	0.09680		
399861.98	3735354.82	0.09597	400055.25
3735354.82	0.10435		
400248.52	3735354.82	0.12596	400441.79
3735354.82	0.17686		
400635.06	3735354.82	0.30328	400828.33
3735354.82	0.52052		
401021.60	3735354.82	0.70451	401214.87
3735354.82	0.73978		
401408.14	3735354.82	0.66879	401601.41
3735354.82	0.55698		
401794.68	3735354.82	0.45084	401987.95
3735354.82	0.36267		
402181.22	3735354.82	0.29287	398315.82
3735530.64	0.12805		
398509.09	3735530.64	0.13374	398702.36
3735530.64	0.13157		
398895.63	3735530.64	0.13963	399088.90
3735530.64	0.14381		
399282.17	3735530.64	0.13704	399475.44
3735530.64	0.11990		
399668.71	3735530.64	0.11275	399861.98
3735530.64	0.11009		
400055.25	3735530.64	0.12149	400248.52
3735530.64	0.15827		

400441.79	3735530.64	0.23757	400635.06
3735530.64	0.48044		
400828.33	3735530.64	0.77998	401021.60
3735530.64	0.84435		
401214.87	3735530.64	0.72352	401408.14
3735530.64	0.57493		
401601.41	3735530.64	0.44567	401794.68
3735530.64	0.34720		
401987.95	3735530.64	0.27554	402181.22
3735530.64	0.22378		
398315.82	3735706.46	0.12834	398509.09
3735706.46	0.13229		
398702.36	3735706.46	0.13964	398895.63
3735706.46	0.14972		
399088.90	3735706.46	0.15903	399282.17
3735706.46	0.15736		
399475.44	3735706.46	0.14718	399668.71
3735706.46	0.14248		
399861.98	3735706.46	0.14751	400055.25
3735706.46	0.18063		
400248.52	3735706.46	0.26178	400441.79
3735706.46	0.45073		
400635.06	3735706.46	0.95301	400828.33
3735706.46	0.98548		
401021.60	3735706.46	0.75819	401214.87
3735706.46	0.55457		
401408.14	3735706.46	0.41018	401601.41
3735706.46	0.31282		
401794.68	3735706.46	0.24537	401987.95
3735706.46	0.19948		
402181.22	3735706.46	0.16670	398315.82
3735882.28	0.13160		
398509.09	3735882.28	0.14155	398702.36
3735882.28	0.15064		
398895.63	3735882.28	0.15096	399088.90
3735882.28	0.16613		
399282.17	3735882.28	0.16747	399475.44
3735882.28	0.16720		
399668.71	3735882.28	0.17794	399861.98
3735882.28	0.22484		
400055.25	3735882.28	0.35904	400248.52
3735882.28	0.69944		
400441.79	3735882.28	1.65770	400635.06
3735882.28	1.26070		
400828.33	3735882.28	0.73129	401021.60
3735882.28	0.47368		

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^ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***
10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
 *** INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
401214.87	3735882.28	0.34191	401408.14
3735882.28	0.26415		
401601.41	3735882.28	0.21116	401794.68
3735882.28	0.17627		
401987.95	3735882.28	0.15058	402181.22
3735882.28	0.13010		
398315.82	3736058.10	0.12633	398509.09
3736058.10	0.13873		
398702.36	3736058.10	0.14770	398895.63
3736058.10	0.15339		
399088.90	3736058.10	0.16068	399282.17
3736058.10	0.16120		
399475.44	3736058.10	0.16389	399668.71
3736058.10	0.18366		
399861.98	3736058.10	0.26425	400248.52
3736058.10	23.12134		
400441.79	3736058.10	1.52404	400635.06
3736058.10	0.56611		
400828.33	3736058.10	0.35258	401021.60
3736058.10	0.26267		
401214.87	3736058.10	0.21372	401408.14
3736058.10	0.18093		
401601.41	3736058.10	0.15636	401794.68
3736058.10	0.13655		
401987.95	3736058.10	0.11996	402181.22
3736058.10	0.10720		
398315.82	3736233.92	0.12357	398509.09
3736233.92	0.13565		
398702.36	3736233.92	0.14329	398895.63
3736233.92	0.14982		
399088.90	3736233.92	0.15554	399282.17
3736233.92	0.15846		

399475.44	3736233.92	0.16109	399668.71
3736233.92	0.17505		
399861.98	3736233.92	0.23568	400248.52
3736233.92	3.42427		
400441.79	3736233.92	0.53726	400635.06
3736233.92	0.24396		
400828.33	3736233.92	0.18711	401021.60
3736233.92	0.15861		
401214.87	3736233.92	0.14859	401408.14
3736233.92	0.13500		
401601.41	3736233.92	0.12121	401794.68
3736233.92	0.10795		
401987.95	3736233.92	0.10006	402181.22
3736233.92	0.08992		
398315.82	3736409.74	0.12166	398509.09
3736409.74	0.13373		
398702.36	3736409.74	0.14247	398895.63
3736409.74	0.14963		
399088.90	3736409.74	0.15889	399282.17
3736409.74	0.16378		
399475.44	3736409.74	0.16865	399668.71
3736409.74	0.18137		
399861.98	3736409.74	0.22030	400055.25
3736409.74	0.40373		
400248.52	3736409.74	1.10549	400441.79
3736409.74	0.60602		
400635.06	3736409.74	0.20809	400828.33
3736409.74	0.13539		
401021.60	3736409.74	0.11519	401214.87
3736409.74	0.11202		
401408.14	3736409.74	0.10592	401601.41
3736409.74	0.09815		
401794.68	3736409.74	0.08980	401987.95
3736409.74	0.08484		
402181.22	3736409.74	0.07775	398315.82
3736585.56	0.12092		
398509.09	3736585.56	0.13347	398702.36
3736585.56	0.14314		
398895.63	3736585.56	0.15197	399088.90
3736585.56	0.16241		
399282.17	3736585.56	0.17308	399475.44
3736585.56	0.18006		
399668.71	3736585.56	0.18914	399861.98
3736585.56	0.22393		
400055.25	3736585.56	0.34901	400248.52
3736585.56	0.61822		
400441.79	3736585.56	0.51350	400635.06
3736585.56	0.22254		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
400828.33	3736585.56	0.12882	401021.60
3736585.56	0.09998		
401214.87	3736585.56	0.09410	401408.14
3736585.56	0.08803		
401601.41	3736585.56	0.08243	401794.68
3736585.56	0.07666		
401987.95	3736585.56	0.06970	402181.22
3736585.56	0.06884		
398315.82	3736761.38	0.12110	398509.09
3736761.38	0.13426		
398702.36	3736761.38	0.14478	398895.63
3736761.38	0.15473		
399088.90	3736761.38	0.16673	399282.17
3736761.38	0.17779		
399475.44	3736761.38	0.18636	399668.71
3736761.38	0.19869		
399861.98	3736761.38	0.23197	400055.25
3736761.38	0.30293		
400248.52	3736761.38	0.42517	400441.79
3736761.38	0.40797		
400635.06	3736761.38	0.23221	400828.33
3736761.38	0.13438		
401021.60	3736761.38	0.09746	401214.87
3736761.38	0.08411		
401408.14	3736761.38	0.07866	401601.41
3736761.38	0.07282		
401794.68	3736761.38	0.06801	401987.95
3736761.38	0.06504		
402181.22	3736761.38	0.06141	398315.82
3736937.20	0.12149		

398509.09	3736937.20	0.13439	398702.36
3736937.20	0.14531		
398895.63	3736937.20	0.15557	399088.90
3736937.20	0.16671		
399282.17	3736937.20	0.17739	399475.44
3736937.20	0.19053		
399668.71	3736937.20	0.21128	399861.98
3736937.20	0.24225		
400055.25	3736937.20	0.27616	400248.52
3736937.20	0.33328		
400441.79	3736937.20	0.33242	400635.06
3736937.20	0.22905		
400828.33	3736937.20	0.14140	401021.60
3736937.20	0.09931		
401214.87	3736937.20	0.08340	401408.14
3736937.20	0.07350		
401601.41	3736937.20	0.06724	401794.68
3736937.20	0.06228		
401987.95	3736937.20	0.05921	402181.22
3736937.20	0.05596		
398315.82	3737113.02	0.12168	398509.09
3737113.02	0.13383		
398702.36	3737113.02	0.14172	398895.63
3737113.02	0.15271		
399088.90	3737113.02	0.16275	399282.17
3737113.02	0.17446		
399475.44	3737113.02	0.19134	399668.71
3737113.02	0.21476		
399861.98	3737113.02	0.23733	400055.25
3737113.02	0.25473		
400248.52	3737113.02	0.28120	400441.79
3737113.02	0.28073		
400635.06	3737113.02	0.21771	400828.33
3737113.02	0.14708		
401021.60	3737113.02	0.10475	401214.87
3737113.02	0.08314		
401408.14	3737113.02	0.07130	401601.41
3737113.02	0.06407		
401794.68	3737113.02	0.05889	401987.95
3737113.02	0.05514		
402181.22	3737113.02	0.05185	398315.82
3737288.84	0.12135		
398509.09	3737288.84	0.13007	398702.36
3737288.84	0.13918		
398895.63	3737288.84	0.14763	399088.90
3737288.84	0.15765		
399282.17	3737288.84	0.17139	399475.44
3737288.84	0.18966		
399668.71	3737288.84	0.20988	399861.98
3737288.84	0.22464		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
400055.25	3737288.84	0.23269	400248.52
3737288.84	0.24464		
400441.79	3737288.84	0.24323	400635.06
3737288.84	0.20236		
400828.33	3737288.84	0.14650	401021.60
3737288.84	0.10603		
401214.87	3737288.84	0.08330	401408.14
3737288.84	0.07014		
401601.41	3737288.84	0.06181	401794.68
3737288.84	0.05617		
401987.95	3737288.84	0.05199	402181.22
3737288.84	0.04871		
398315.82	3737464.66	0.12012	398509.09
3737464.66	0.12703		
398702.36	3737464.66	0.13456	398895.63
3737464.66	0.14383		
399088.90	3737464.66	0.15448	399282.17
3737464.66	0.16859		
399475.44	3737464.66	0.18534	399668.71
3737464.66	0.20040		
399861.98	3737464.66	0.20765	400055.25
3737464.66	0.21015		
400248.52	3737464.66	0.21334	400441.79
3737464.66	0.21038		
400635.06	3737464.66	0.18655	400828.33
3737464.66	0.14384		
401021.60	3737464.66	0.10692	401214.87
3737464.66	0.08378		

401408.14	3737464.66	0.06966	401601.41
3737464.66	0.06064		
401794.68	3737464.66	0.05441	401987.95
3737464.66	0.04986		
402181.22	3737464.66	0.04640	398315.82
3737640.48	0.11672		
398509.09	3737640.48	0.12339	398702.36
3737640.48	0.13045		
398895.63	3737640.48	0.13769	399088.90
3737640.48	0.15075		
399282.17	3737640.48	0.16364	399475.44
3737640.48	0.17126		
399668.71	3737640.48	0.18303	399861.98
3737640.48	0.18803		
400055.25	3737640.48	0.18815	400248.52
3737640.48	0.19042		
400441.79	3737640.48	0.18750	400635.06
3737640.48	0.16917		
400828.33	3737640.48	0.13781	401021.60
3737640.48	0.10548		
401214.87	3737640.48	0.08237	401408.14
3737640.48	0.06803		
401601.41	3737640.48	0.05899	401794.68
3737640.48	0.05232		
401987.95	3737640.48	0.04742	402181.22
3737640.48	0.04382		
400183.47	3736330.86	1.09682	400058.04
3736334.23	0.43941		
400034.41	3736331.98	0.38687	399992.23
3736340.98	0.31940		
399987.17	3736329.73	0.31545	399960.17
3736333.11	0.28668		
399923.61	3736330.86	0.25805	399928.11
3736303.86	0.26725		
399924.73	3736261.11	0.27524	399970.85
3736250.42	0.32019		
399966.92	3736222.30	0.32521	399984.92
3736222.86	0.34674		
399993.35	3736034.43	0.45222	400179.53
3736035.55	1.57073		
400190.22	3736034.99	1.59589	

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
398682.79	3736051.95	5.00729 (12012723)	398702.79
3736051.95	5.09016 (12012723)		
398722.79	3736051.95	5.17529 (12012723)	398742.79
3736051.95	5.26273 (12012723)		
398762.79	3736051.95	5.35105 (12012723)	398782.79
3736051.95	5.44282 (12012723)		
398802.79	3736051.95	5.53385 (12012723)	398822.79
3736051.95	5.62441 (12012723)		
398842.79	3736051.95	5.71661 (12012723)	398862.79
3736051.95	5.81732 (12012723)		
398882.79	3736051.95	5.68762 (15012423)	398902.79
3736051.95	6.00906 (12012723)		
398922.79	3736051.95	6.11504 (12012723)	398942.79
3736051.95	6.19710 (12012723)		
398962.79	3736051.95	6.30753 (15012423)	398982.79
3736051.95	6.45954 (15012423)		
399002.79	3736051.95	6.59268 (15012423)	399022.79
3736051.95	6.73031 (15012423)		
399042.79	3736051.95	6.87659 (15012423)	399062.79
3736051.95	7.03140 (15012423)		
399082.79	3736051.95	7.18511 (15012423)	399102.79
3736051.95	7.34429 (15012423)		
399122.79	3736051.95	7.50734 (15012423)	399142.79
3736051.95	7.67622 (15012423)		
399162.79	3736051.95	7.84814 (15012423)	399182.79
3736051.95	8.02937 (15012423)		
399202.79	3736051.95	8.22290 (15012423)	399222.79
3736051.95	8.41809 (15012423)		
399242.79	3736051.95	8.60701 (15012423)	399262.79
3736051.95	8.81133 (15012423)		
399282.79	3736051.95	9.01625 (15012423)	399302.79
3736051.95	9.25997 (15012424)		
399322.79	3736051.95	9.53345 (15012424)	399342.79
3736051.95	9.80948 (15012424)		
399362.79	3736051.95	10.10364 (15012424)	399382.79
3736051.95	10.40955 (15012424)		

3736051.95	399402.79	3736051.95	10.73486	(15012424)	399422.79
	11.07372	(15012424)			
3736051.95	399442.79	3736051.95	11.43643	(15012424)	399462.79
	11.81330	(15012424)			
3736051.95	399482.79	3736051.95	12.20652	(15012424)	399502.79
	12.62065	(15012424)			
3736051.95	399522.79	3736051.95	13.06986	(15012424)	399542.79
	13.54930	(15012424)			
3736051.95	399562.79	3736051.95	14.03510	(15012424)	399582.79
	14.55324	(15012424)			
3736051.95	399602.79	3736051.95	15.10964	(15012424)	399622.79
	15.68999	(15012424)			
3736051.95	399642.79	3736051.95	16.31099	(15012424)	399662.79
	16.97660	(15012424)			
3736051.95	399682.79	3736051.95	17.67161	(15012424)	399702.79
	18.39557	(15012424)			
3736051.95	399722.79	3736051.95	19.14256	(15012424)	399742.79
	19.92440	(15012424)			
3736051.95	399762.79	3736051.95	20.77458	(15012424)	399782.79
	21.69564	(15012424)			
3736051.95	399802.79	3736051.95	22.56348	(15012424)	399822.79
	23.62248	(14120219)			
3736051.95	399842.79	3736051.95	25.04931	(14120219)	399862.79
	26.49782	(14120219)			
3736051.95	399882.79	3736051.95	28.49893	(13100421)	399902.79
	30.97167	(13100421)			
3736051.95	399922.79	3736051.95	33.78763	(13100421)	399942.79
	36.94059	(13100421)			
3736051.95	399962.79	3736051.95	40.57404	(13100421)	399982.79
	44.14651	(13100421)			
3736071.95	398682.79	3736071.95	4.98571	(15012423)	398702.79
	5.07187	(15012423)			
3736071.95	398722.79	3736071.95	5.16052	(15012423)	398742.79
	5.25173	(15012423)			
3736071.95	398762.79	3736071.95	5.34562	(15012423)	398782.79
	5.44230	(15012423)			
3736071.95	398802.79	3736071.95	5.54186	(15012423)	398822.79
	5.64301	(15012423)			
3736071.95	398842.79	3736071.95	5.72698	(15012423)	398862.79
	5.83072	(15012423)			
3736071.95	398882.79	3736071.95	5.74595	(15012423)	398902.79
	6.04910	(15012423)			
3736071.95	398922.79	3736071.95	6.17215	(15012423)	398942.79
	6.25196	(15012423)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398962.79	3736071.95	6.35483	(15012423)	398982.79
3736071.95	6.54628	(15012423)		
399002.79	3736071.95	6.68274	(15012423)	399022.79
3736071.95	6.82160	(15012423)		
399042.79	3736071.95	6.96908	(15012423)	399062.79
3736071.95	7.12096	(15012423)		
399082.79	3736071.95	7.27655	(15012423)	399102.79
3736071.95	7.44032	(15012423)		
399122.79	3736071.95	7.60639	(15012423)	399142.79
3736071.95	7.77940	(15012423)		
399162.79	3736071.95	7.94343	(15012423)	399182.79
3736071.95	8.13191	(15012423)		
399202.79	3736071.95	8.31524	(15012423)	399222.79
3736071.95	8.51202	(15012423)		
399242.79	3736071.95	8.67992	(15012423)	399262.79
3736071.95	8.90959	(15012423)		
399282.79	3736071.95	9.12569	(15012423)	399302.79
3736071.95	9.33817	(15012423)		
399322.79	3736071.95	9.59154	(15012423)	399342.79
3736071.95	9.85106	(15012423)		
399362.79	3736071.95	10.12919	(15012424)	399382.79
3736071.95	10.42658	(15012424)		
399402.79	3736071.95	10.71905	(15012424)	399422.79
3736071.95	11.04840	(15012424)		
399442.79	3736071.95	11.41028	(15012424)	399462.79
3736071.95	11.79313	(15012424)		
399482.79	3736071.95	12.18749	(15012424)	399502.79
3736071.95	12.59892	(15012424)		
399522.79	3736071.95	13.05984	(15012424)	399542.79
3736071.95	13.57718	(15012424)		
399562.79	3736071.95	14.05575	(15012424)	399582.79
3736071.95	14.57303	(15012424)		
399602.79	3736071.95	15.11963	(15012424)	399622.79
3736071.95	15.70053	(15012424)		

399642.79	3736071.95	16.31192	(15012424)	399662.79
3736071.95	16.95868	(15012424)		
399682.79	3736071.95	17.65069	(15012424)	399702.79
3736071.95	18.34968	(15012424)		
399722.79	3736071.95	19.10401	(15012424)	399742.79
3736071.95	19.85346	(15012424)		
399762.79	3736071.95	20.66955	(15012424)	399782.79
3736071.95	21.77582	(12021518)		
399802.79	3736071.95	23.08647	(12021518)	399822.79
3736071.95	24.46964	(12021518)		
399842.79	3736071.95	25.97835	(12021518)	399862.79
3736071.95	27.52542	(12021518)		
399882.79	3736071.95	29.33375	(12021518)	399902.79
3736071.95	31.30870	(12021518)		
399922.79	3736071.95	33.33152	(12021518)	399942.79
3736071.95	35.56211	(12021518)		
399962.79	3736071.95	37.88926	(12021518)	399982.79
3736071.95	39.92115	(12021518)		
398682.79	3736091.95	5.00628	(15012423)	398702.79
3736091.95	5.09250	(15012423)		
398722.79	3736091.95	5.18117	(15012423)	398742.79
3736091.95	5.27240	(15012423)		
398762.79	3736091.95	5.36628	(15012423)	398782.79
3736091.95	5.46293	(15012423)		
398802.79	3736091.95	5.56244	(15012423)	398822.79
3736091.95	5.66050	(15012423)		
398842.79	3736091.95	5.73668	(15012423)	398862.79
3736091.95	5.83312	(15012423)		
398882.79	3736091.95	5.76723	(15012423)	398902.79
3736091.95	6.05252	(15012423)		
398922.79	3736091.95	6.16655	(15012423)	398942.79
3736091.95	6.26551	(15012423)		
398962.79	3736091.95	6.35566	(15012423)	398982.79
3736091.95	6.56221	(15012423)		
399002.79	3736091.95	6.69366	(15012423)	399022.79
3736091.95	6.83462	(15012423)		
399042.79	3736091.95	6.98355	(15012423)	399062.79
3736091.95	7.13942	(15012423)		
399082.79	3736091.95	7.28904	(15012423)	399102.79
3736091.95	7.44896	(15012423)		
399122.79	3736091.95	7.61356	(15012423)	399142.79
3736091.95	7.78882	(15012423)		
399162.79	3736091.95	7.94605	(15012423)	399182.79
3736091.95	8.11843	(15012423)		
399202.79	3736091.95	8.29980	(15012423)	399222.79
3736091.95	8.48732	(15012423)		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399242.79	3736091.95	8.68998	(15012423)	399262.79
3736091.95	8.92891	(15012423)		
399282.79	3736091.95	9.14565	(15012423)	399302.79
3736091.95	9.37327	(15012423)		
399322.79	3736091.95	9.59128	(15012423)	399342.79
3736091.95	9.84520	(15012423)		
399362.79	3736091.95	10.10442	(15012423)	399382.79
3736091.95	10.37573	(15012423)		
399402.79	3736091.95	10.62098	(15012424)	399422.79
3736091.95	10.92654	(15012424)		
399442.79	3736091.95	11.28543	(15012424)	399462.79
3736091.95	11.66828	(15012424)		
399482.79	3736091.95	12.02139	(15012424)	399502.79
3736091.95	12.40158	(15012424)		
399522.79	3736091.95	12.80788	(15012424)	399542.79
3736091.95	13.26525	(15012424)		
399562.79	3736091.95	13.75980	(15012424)	399582.79
3736091.95	14.27027	(15012424)		
399602.79	3736091.95	14.76035	(15012424)	399622.79
3736091.95	15.27925	(15012424)		
399642.79	3736091.95	15.86119	(15012424)	399662.79
3736091.95	16.50358	(12021518)		
399682.79	3736091.95	17.33492	(12021518)	399702.79
3736091.95	18.23445	(12021518)		
399722.79	3736091.95	19.19937	(12021518)	399742.79
3736091.95	20.24580	(12021518)		
399762.79	3736091.95	21.35307	(12021518)	399782.79
3736091.95	22.38663	(12021518)		
399802.79	3736091.95	23.67805	(12021518)	399822.79
3736091.95	25.15189	(12021518)		
399842.79	3736091.95	26.63360	(12021518)	399862.79
3736091.95	28.21523	(12021518)		

399882.79	3736091.95	29.82209	(12021518)	399902.79
3736091.95	31.45365	(12021518)		
399922.79	3736091.95	33.15966	(12021518)	399942.79
3736091.95	34.96761	(12021518)		
399962.79	3736091.95	36.89940	(12021518)	399982.79
3736091.95	38.73313	(12021518)		
398682.79	3736111.95	5.00474	(15012423)	398702.79
3736111.95	5.09014	(15012423)		
398722.79	3736111.95	5.17791	(15012423)	398742.79
3736111.95	5.26815	(15012423)		
398762.79	3736111.95	5.36097	(15012423)	398782.79
3736111.95	5.45648	(15012423)		
398802.79	3736111.95	5.55479	(15012423)	398822.79
3736111.95	5.65599	(15012423)		
398842.79	3736111.95	5.75460	(15012423)	398862.79
3736111.95	5.81973	(15012423)		
398882.79	3736111.95	5.77108	(15012423)	398902.79
3736111.95	6.02835	(15012423)		
398922.79	3736111.95	6.13568	(15012423)	398942.79
3736111.95	6.24191	(15012423)		
398962.79	3736111.95	6.30129	(15012423)	398982.79
3736111.95	6.52939	(15012423)		
399002.79	3736111.95	6.65053	(15012423)	399022.79
3736111.95	6.80012	(15012423)		
399042.79	3736111.95	6.94652	(15012423)	399062.79
3736111.95	7.10613	(15012423)		
399082.79	3736111.95	7.24375	(15012423)	399102.79
3736111.95	7.38606	(15012423)		
399122.79	3736111.95	7.55201	(15012423)	399142.79
3736111.95	7.73649	(15012423)		
399162.79	3736111.95	7.88876	(15012423)	399182.79
3736111.95	8.04600	(15012423)		
399202.79	3736111.95	8.22540	(15012423)	399222.79
3736111.95	8.40726	(15012423)		
399242.79	3736111.95	8.60244	(15012423)	399262.79
3736111.95	8.82646	(15012423)		
399282.79	3736111.95	9.05555	(15012423)	399302.79
3736111.95	9.27405	(15012423)		
399322.79	3736111.95	9.48082	(15012423)	399342.79
3736111.95	9.72189	(15012423)		
399362.79	3736111.95	9.95202	(15012423)	399382.79
3736111.95	10.22091	(15012423)		
399402.79	3736111.95	10.44499	(15012423)	399422.79
3736111.95	10.69942	(15012423)		
399442.79	3736111.95	11.03194	(15012423)	399462.79
3736111.95	11.35862	(15012424)		
399482.79	3736111.95	11.71034	(15012424)	399502.79
3736111.95	12.04836	(15012424)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 ***
*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399522.79	3736111.95	12.38275	(15012424)	399542.79
3736111.95	12.83789	(12021518)		
399562.79	3736111.95	13.39855	(12021518)	399582.79
3736111.95	14.01028	(12021518)		
399602.79	3736111.95	14.65033	(12021518)	399622.79
3736111.95	15.29812	(12021518)		
399642.79	3736111.95	15.98401	(12021518)	399662.79
3736111.95	16.72000	(12021518)		
399682.79	3736111.95	17.55843	(12021518)	399702.79
3736111.95	18.42634	(12021518)		
399722.79	3736111.95	19.35945	(12021518)	399742.79
3736111.95	20.36313	(12021518)		
399762.79	3736111.95	21.33876	(12021518)	399782.79
3736111.95	22.30935	(12021518)		
399802.79	3736111.95	23.41707	(12021518)	399822.79
3736111.95	24.66244	(12021518)		
399842.79	3736111.95	26.01595	(12021518)	399862.79
3736111.95	27.32707	(12021518)		
399882.79	3736111.95	28.54863	(12021518)	399902.79
3736111.95	30.21320	(12021518)		
399922.79	3736111.95	31.49744	(12021518)	399942.79
3736111.95	32.39688	(12021518)		
399962.79	3736111.95	33.40139	(12021518)	399982.79
3736111.95	34.28088	(12021518)		
398682.79	3736131.95	4.98115	(15012423)	398702.79
3736131.95	5.06486	(15012423)		
398722.79	3736131.95	5.15083	(15012423)	398742.79
3736131.95	5.25528	(15012423)		
398762.79	3736131.95	5.33815	(15012423)	398782.79
3736131.95	5.42878	(15012423)		

398802.79	3736131.95	5.51910	(15012423)	398822.79
3736131.95	5.62776	(15012423)		
398842.79	3736131.95	5.71941	(15012423)	398862.79
3736131.95	5.77433	(15012423)		
398882.79	3736131.95	5.73508	(15012423)	398902.79
3736131.95	5.97542	(15012423)		
398922.79	3736131.95	6.08926	(15012423)	398942.79
3736131.95	6.20005	(15012423)		
398962.79	3736131.95	6.24172	(15012423)	398982.79
3736131.95	6.39442	(15012423)		
399002.79	3736131.95	6.58626	(15012423)	399022.79
3736131.95	6.73537	(15012423)		
399042.79	3736131.95	6.87366	(15012423)	399062.79
3736131.95	7.01559	(15012423)		
399082.79	3736131.95	7.13595	(15012423)	399102.79
3736131.95	7.27808	(15012423)		
399122.79	3736131.95	7.44190	(15012423)	399142.79
3736131.95	7.62195	(15012423)		
399162.79	3736131.95	7.77706	(15012423)	399182.79
3736131.95	7.93656	(15012423)		
399202.79	3736131.95	8.10607	(15012423)	399222.79
3736131.95	8.28415	(15012423)		
399242.79	3736131.95	8.44366	(15012423)	399262.79
3736131.95	8.66485	(15012423)		
399282.79	3736131.95	8.88035	(15012423)	399302.79
3736131.95	9.05956	(15012423)		
399322.79	3736131.95	9.26005	(15012423)	399342.79
3736131.95	9.49066	(15012423)		
399362.79	3736131.95	9.69701	(15012423)	399382.79
3736131.95	9.93720	(15012423)		
399402.79	3736131.95	10.14568	(15012423)	399422.79
3736131.95	10.41656	(15012423)		
399442.79	3736131.95	10.74579	(12021518)	399462.79
3736131.95	11.13361	(12021518)		
399482.79	3736131.95	11.56218	(12021518)	399502.79
3736131.95	12.00067	(12021518)		
399522.79	3736131.95	12.47548	(12021518)	399542.79
3736131.95	12.93010	(12021518)		
399562.79	3736131.95	13.43361	(12021518)	399582.79
3736131.95	13.98508	(12021518)		
399602.79	3736131.95	14.60468	(12021518)	399622.79
3736131.95	15.23329	(12021518)		
399642.79	3736131.95	15.87502	(12021518)	399662.79
3736131.95	16.57282	(12021518)		
399682.79	3736131.95	17.37158	(12021518)	399702.79
3736131.95	18.14378	(12021518)		
399722.79	3736131.95	18.97029	(12021518)	399742.79
3736131.95	19.82242	(12021518)		
399762.79	3736131.95	20.65287	(12021518)	399782.79
3736131.95	21.55457	(12021518)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399802.79	3736131.95	22.39501	(12021518)	399822.79
3736131.95	23.32516	(12021518)		
399842.79	3736131.95	24.29576	(12021518)	399862.79
3736131.95	25.18010	(12021518)		
399882.79	3736131.95	26.16281	(12021518)	399902.79
3736131.95	27.25010	(12021518)		
399922.79	3736131.95	27.96606	(12021518)	399942.79
3736131.95	28.08084	(12021518)		
399962.79	3736131.95	28.15492	(12021518)	399982.79
3736131.95	27.48084	(12021518)		
398682.79	3736151.95	4.90531	(15012423)	398702.79
3736151.95	5.01706	(15012423)		
398722.79	3736151.95	5.10023	(15012423)	398742.79
3736151.95	5.18586	(15012423)		
398762.79	3736151.95	5.27352	(15012423)	398782.79
3736151.95	5.36362	(15012423)		
398802.79	3736151.95	5.45636	(15012423)	398822.79
3736151.95	5.55142	(15012423)		
398842.79	3736151.95	5.64891	(15012423)	398862.79
3736151.95	5.69885	(15012423)		
398882.79	3736151.95	5.64141	(15012423)	398902.79
3736151.95	5.89463	(15012423)		
398922.79	3736151.95	6.01948	(15012423)	398942.79
3736151.95	6.12394	(15012423)		
398962.79	3736151.95	6.23033	(15012423)	398982.79
3736151.95	6.28525	(15012423)		
399002.79	3736151.95	6.36760	(15012423)	399022.79
3736151.95	6.57952	(15012423)		

3736151.95	399042.79	3736151.95	6.74420	(15012423)	399062.79
	6.87404	(15012423)			
3736151.95	399082.79	3736151.95	6.98592	(15012423)	399102.79
	7.12824	(15012423)			
3736151.95	399122.79	3736151.95	7.29010	(15012423)	399142.79
	7.43796	(15012423)			
3736151.95	399162.79	3736151.95	7.59588	(15012423)	399182.79
	7.74644	(15012423)			
3736151.95	399202.79	3736151.95	7.89552	(15012423)	399222.79
	8.04910	(15012423)			
3736151.95	399242.79	3736151.95	8.21319	(15012423)	399262.79
	8.41082	(15012423)			
3736151.95	399282.79	3736151.95	8.59223	(15012423)	399302.79
	8.75567	(15012423)			
3736151.95	399322.79	3736151.95	8.95279	(15012423)	399342.79
	9.17601	(15012423)			
3736151.95	399362.79	3736151.95	9.39236	(12021518)	399382.79
	9.69832	(12021518)			
3736151.95	399402.79	3736151.95	10.01362	(12021518)	399422.79
	10.35694	(12021518)			
3736151.95	399442.79	3736151.95	10.71360	(12021518)	399462.79
	11.10978	(12021518)			
3736151.95	399482.79	3736151.95	11.49912	(12021518)	399502.79
	11.93731	(12021518)			
3736151.95	399522.79	3736151.95	12.37271	(12021518)	399542.79
	12.83750	(12021518)			
3736151.95	399562.79	3736151.95	13.29782	(12021518)	399582.79
	13.75547	(12021518)			
3736151.95	399602.79	3736151.95	14.27946	(12021518)	399622.79
	14.84469	(12021518)			
3736151.95	399642.79	3736151.95	15.43075	(12021518)	399662.79
	16.10355	(12021518)			
3736151.95	399682.79	3736151.95	16.73713	(12021518)	399702.79
	17.39984	(12021518)			
3736151.95	399722.79	3736151.95	18.05963	(12021518)	399742.79
	18.64980	(12021518)			
3736151.95	399762.79	3736151.95	19.34745	(12021518)	399782.79
	20.02119	(12021518)			
3736151.95	399802.79	3736151.95	20.66949	(12021518)	399822.79
	21.29696	(12021518)			
3736151.95	399842.79	3736151.95	21.76148	(12021518)	399862.79
	22.29323	(12021518)			
3736151.95	399882.79	3736151.95	22.78362	(12021518)	399902.79
	23.09928	(12021518)			
3736151.95	399922.79	3736151.95	23.44812	(13112217)	399942.79
	23.92434	(13112217)			
3736151.95	399962.79	3736151.95	24.24911	(13112217)	399982.79
	23.50183	(13112217)			
3736171.95	398682.79	3736171.95	4.79950	(15012423)	398702.79
	4.94749	(15012423)			

398722.79 3736171.95 5.02718 (15012423) 398742.79
 3736171.95 5.10910 (15012423)
 *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398762.79	3736171.95	5.19289	(15012423)	398782.79
3736171.95	5.27886	(15012423)		
398802.79	3736171.95	5.36298	(15012423)	398822.79
3736171.95	5.45323	(15012423)		
398842.79	3736171.95	5.55000	(15012423)	398862.79
3736171.95	5.58918	(15012423)		
398882.79	3736171.95	5.55048	(15012423)	398902.79
3736171.95	5.78254	(15012423)		
398922.79	3736171.95	5.90201	(15012423)	398942.79
3736171.95	5.99946	(15012423)		
398962.79	3736171.95	6.12583	(15012423)	398982.79
3736171.95	6.22743	(15012423)		
399002.79	3736171.95	6.29908	(15012423)	399022.79
3736171.95	6.33000	(15012423)		
399042.79	3736171.95	6.49605	(15012423)	399062.79
3736171.95	6.67464	(15012423)		
399082.79	3736171.95	6.79426	(15012423)	399102.79
3736171.95	6.94103	(15012423)		
399122.79	3736171.95	7.07151	(15012423)	399142.79
3736171.95	7.18964	(15012423)		
399162.79	3736171.95	7.32960	(15012423)	399182.79
3736171.95	7.48688	(15012423)		
399202.79	3736171.95	7.62922	(15012423)	399222.79
3736171.95	7.74649	(15012423)		
399242.79	3736171.95	7.91625	(15012423)	399262.79
3736171.95	8.06487	(15012423)		

3736171.95	399282.79	3736171.95	8.26102	(12021518)	399302.79
3736171.95	399322.79	3736171.95	8.78097	(12021518)	399342.79
3736171.95	399362.79	3736171.95	9.32884	(12021518)	399382.79
3736171.95	399402.79	3736171.95	9.92129	(12021518)	399422.79
3736171.95	399442.79	3736171.95	10.57314	(12021518)	399462.79
3736171.95	399482.79	3736171.95	11.28638	(12021518)	399502.79
3736171.95	399522.79	3736171.95	12.07644	(12021518)	399542.79
3736171.95	399562.79	3736171.95	12.90764	(12021518)	399582.79
3736171.95	399602.79	3736171.95	13.76314	(12021518)	399622.79
3736171.95	399642.79	3736171.95	14.70346	(12021518)	399662.79
3736171.95	399682.79	3736171.95	15.75539	(12021518)	399702.79
3736171.95	399722.79	3736171.95	16.68111	(12021518)	399742.79
3736171.95	399762.79	3736171.95	17.54927	(12021518)	399782.79
3736171.95	399802.79	3736171.95	18.79379	(13112217)	399822.79
3736171.95	399842.79	3736171.95	20.30837	(13112217)	399862.79
3736171.95	399882.79	3736171.95	22.20077	(13112217)	399902.79
3736171.95	399922.79	3736171.95	23.21393	(13112217)	399942.79
3736171.95	399962.79	3736171.95	22.65142	(13112217)	399982.79
3736191.95	398682.79	3736191.95	4.70912	(15012423)	398702.79
3736191.95	398722.79	3736191.95	4.93843	(15012423)	398742.79
3736191.95	398762.79	3736191.95	5.08906	(15012423)	398782.79
3736191.95	398802.79	3736191.95	5.25285	(15012423)	398822.79
3736191.95	398842.79	3736191.95	5.44278	(15012423)	398862.79
3736191.95	398882.79	3736191.95	5.43197	(15012423)	398902.79
3736191.95	398922.79	3736191.95	5.75212	(15012423)	398942.79
3736191.95	398962.79	3736191.95	5.85269	(15012423)	398982.79

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398962.79 3736191.95 5.95757 (15012423) 398982.79
3736191.95 6.04727 (15012423)
399002.79 3736191.95 6.15891 (15012423) 399022.79
3736191.95 6.23679 (15012423)
^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399042.79	3736191.95	6.27167	(15012423)	399062.79
3736191.95	6.35120	(15012423)		
399082.79	3736191.95	6.54668	(15012423)	399102.79
3736191.95	6.69701	(15012423)		
399122.79	3736191.95	6.81183	(15012423)	399142.79
3736191.95	6.91466	(15012423)		
399162.79	3736191.95	7.02557	(15012423)	399182.79
3736191.95	7.14920	(15012423)		
399202.79	3736191.95	7.33242	(12021518)	399222.79
3736191.95	7.53698	(12021518)		
399242.79	3736191.95	7.74988	(12021518)	399262.79
3736191.95	7.95099	(12021518)		
399282.79	3736191.95	8.16744	(12021518)	399302.79
3736191.95	8.40029	(12021518)		
399322.79	3736191.95	8.65525	(12021518)	399342.79
3736191.95	8.90478	(12021518)		
399362.79	3736191.95	9.16091	(12021518)	399382.79
3736191.95	9.42839	(12021518)		
399402.79	3736191.95	9.70596	(12021518)	399422.79
3736191.95	9.98725	(12021518)		
399442.79	3736191.95	10.28715	(12021518)	399462.79
3736191.95	10.59881	(12021518)		
399482.79	3736191.95	10.92464	(12021518)	399502.79
3736191.95	11.25556	(12021518)		

3736191.95	399522.79	3736191.95	11.60536	(12021518)	399542.79
3736191.95	11.94962	(12021518)			
3736191.95	399562.79	3736191.95	12.29423	(12021518)	399582.79
3736191.95	12.66904	(12021518)			
3736191.95	399602.79	3736191.95	13.03572	(12021518)	399622.79
3736191.95	13.39066	(12021518)			
3736191.95	399642.79	3736191.95	13.72528	(12021518)	399662.79
3736191.95	14.07539	(12021518)			
3736191.95	399682.79	3736191.95	14.81440	(13112217)	399702.79
3736191.95	15.62532	(13112217)			
3736191.95	399722.79	3736191.95	16.31730	(13112217)	399742.79
3736191.95	16.98730	(13112217)			
3736191.95	399762.79	3736191.95	17.71102	(13112217)	399782.79
3736191.95	18.49129	(13112217)			
3736191.95	399802.79	3736191.95	19.25676	(13112217)	399822.79
3736191.95	19.86349	(13112217)			
3736191.95	399842.79	3736191.95	20.47643	(13112217)	399862.79
3736191.95	21.10433	(13112217)			
3736191.95	399882.79	3736191.95	21.64767	(13112217)	399902.79
3736191.95	21.82820	(13112217)			
3736191.95	399922.79	3736191.95	21.63082	(13112217)	399942.79
3736191.95	21.11905	(12020719)			
3736191.95	399962.79	3736191.95	22.98215	(12020719)	399982.79
3736191.95	24.76382	(12020719)			
3736211.95	398682.79	3736211.95	4.70968	(14112922)	398702.79
3736211.95	4.88633	(14112922)			
3736211.95	398722.79	3736211.95	4.98601	(14112922)	398742.79
3736211.95	5.06302	(14112922)			
3736211.95	398762.79	3736211.95	5.14843	(14112922)	398782.79
3736211.95	5.23217	(14112922)			
3736211.95	398802.79	3736211.95	5.31763	(14112922)	398822.79
3736211.95	5.42106	(14112922)			
3736211.95	398842.79	3736211.95	5.49392	(14112922)	398862.79
3736211.95	5.46496	(14112922)			
3736211.95	398882.79	3736211.95	5.42810	(14112922)	398902.79
3736211.95	5.68156	(14112922)			
3736211.95	398922.79	3736211.95	5.80914	(14112922)	398942.79
3736211.95	5.90905	(14112922)			
3736211.95	398962.79	3736211.95	5.99601	(14112922)	398982.79
3736211.95	6.10455	(14112922)			
3736211.95	399002.79	3736211.95	6.20259	(14112922)	399022.79
3736211.95	6.30426	(14112922)			
3736211.95	399042.79	3736211.95	6.38906	(14112922)	399062.79
3736211.95	6.43235	(14112922)			
3736211.95	399082.79	3736211.95	6.41453	(14112922)	399102.79
3736211.95	6.61159	(14112922)			
3736211.95	399122.79	3736211.95	6.82429	(14112922)	399142.79
3736211.95	6.94568	(14112922)			
3736211.95	399162.79	3736211.95	7.04159	(14112922)	399182.79
3736211.95	7.12370	(14112922)			

3736211.95	399202.79	3736211.95	7.26254	(14112922)	399222.79
3736211.95	399242.79	3736211.95	7.61895	(12021518)	399262.79
3736211.95	399282.79	3736211.95	8.00936	(12021518)	399302.79
3736211.95		3736211.95			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399322.79	3736211.95	8.43242	(12021518)	399342.79
3736211.95	8.66327	(12021518)		
399362.79	3736211.95	8.90029	(12021518)	399382.79
3736211.95	9.13608	(12021518)		
399402.79	3736211.95	9.38022	(12021518)	399422.79
3736211.95	9.63460	(12021518)		
399442.79	3736211.95	9.89001	(12021518)	399462.79
3736211.95	10.15917	(12021518)		
399482.79	3736211.95	10.42259	(12021518)	399502.79
3736211.95	10.70797	(12021518)		
399522.79	3736211.95	10.98748	(12021518)	399542.79
3736211.95	11.26553	(12021518)		
399562.79	3736211.95	11.79257	(13112217)	399582.79
3736211.95	12.35478	(13112217)		
399602.79	3736211.95	12.94332	(13112217)	399622.79
3736211.95	13.55746	(13112217)		
399642.79	3736211.95	14.19583	(13112217)	399662.79
3736211.95	14.76934	(13112217)		
399682.79	3736211.95	15.40034	(13112217)	399702.79
3736211.95	16.05764	(13112217)		
399722.79	3736211.95	16.76175	(13112217)	399742.79
3736211.95	17.45827	(13112217)		

399762.79	3736211.95	18.04411	(13112217)	399782.79
3736211.95	18.56173	(13112217)		
399802.79	3736211.95	19.05988	(13112217)	399822.79
3736211.95	19.47986	(13112217)		
399842.79	3736211.95	19.87055	(13112217)	399862.79
3736211.95	20.13780	(13112217)		
399882.79	3736211.95	20.21108	(13112217)	399902.79
3736211.95	19.94208	(13112217)		
399922.79	3736211.95	21.71596	(12020719)	399942.79
3736211.95	23.58811	(12020719)		
399962.79	3736211.95	24.97704	(12020719)	399982.79
3736211.95	27.76325	(14121123)		
398682.79	3736231.95	4.77739	(14112922)	398702.79
3736231.95	4.95309	(14112922)		
398722.79	3736231.95	5.05266	(14112922)	398742.79
3736231.95	5.13059	(14112922)		
398762.79	3736231.95	5.21269	(14112922)	398782.79
3736231.95	5.29494	(14112922)		
398802.79	3736231.95	5.38060	(14112922)	398822.79
3736231.95	5.48182	(14112922)		
398842.79	3736231.95	5.55121	(14112922)	398862.79
3736231.95	5.51138	(14112922)		
398882.79	3736231.95	5.50065	(14112922)	398902.79
3736231.95	5.73594	(14112922)		
398922.79	3736231.95	5.85980	(14112922)	398942.79
3736231.95	5.93803	(14112922)		
398962.79	3736231.95	6.02363	(14112922)	398982.79
3736231.95	6.12032	(14112922)		
399002.79	3736231.95	6.22267	(14112922)	399022.79
3736231.95	6.33106	(14112922)		
399042.79	3736231.95	6.39536	(14112922)	399062.79
3736231.95	6.52004	(14112922)		
399082.79	3736231.95	6.59564	(14112922)	399102.79
3736231.95	6.55750	(14112922)		
399122.79	3736231.95	6.62984	(14112922)	399142.79
3736231.95	6.87101	(14112922)		
399162.79	3736231.95	7.02483	(14112922)	399182.79
3736231.95	7.08376	(14112922)		
399202.79	3736231.95	7.24132	(14112922)	399222.79
3736231.95	7.36913	(14112922)		
399242.79	3736231.95	7.47796	(14112922)	399262.79
3736231.95	7.60147	(12021518)		
399282.79	3736231.95	7.77978	(12021518)	399302.79
3736231.95	7.96627	(12021518)		
399322.79	3736231.95	8.15338	(12021518)	399342.79
3736231.95	8.34593	(12021518)		
399362.79	3736231.95	8.54910	(12021518)	399382.79
3736231.95	8.75107	(12021518)		
399402.79	3736231.95	8.96457	(12021518)	399422.79
3736231.95	9.18249	(12021518)		

3736231.95	399442.79	3736231.95	9.50427	(13112217)	399462.79
			9.93234	(13112217)	
3736231.95	399482.79	3736231.95	10.36788	(13112217)	399502.79
			10.83523	(13112217)	
3736231.95	399522.79	3736231.95	11.32681	(13112217)	399542.79
			11.81837	(13112217)	
3736231.95	399562.79	3736231.95	12.34566	(13112217)	399582.79
			12.89585	(13112217)	

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
3736231.95	399602.79	3736231.95	13.45664	(13112217)	399622.79
			14.03303	(13112217)	
3736231.95	399642.79	3736231.95	14.62151	(13112217)	399662.79
			15.19552	(13112217)	
3736231.95	399682.79	3736231.95	15.75894	(13112217)	399702.79
			16.22844	(13112217)	
3736231.95	399722.79	3736231.95	16.74369	(13112217)	399742.79
			17.28860	(13112217)	
3736231.95	399762.79	3736231.95	17.80219	(13112217)	399782.79
			18.16897	(13112217)	
3736231.95	399802.79	3736231.95	18.32854	(13112217)	399822.79
			18.53972	(13112217)	
3736231.95	399842.79	3736231.95	18.67769	(13112217)	399862.79
			18.49836	(13112217)	
3736231.95	399882.79	3736231.95	19.88183	(12020719)	399902.79
			21.70237	(12020719)	
3736231.95	399922.79	3736231.95	23.38824	(12020719)	399942.79
			24.90740	(12101804)	
3736231.95	399962.79	3736231.95	27.27220	(12101804)	399862.79
			4.82341	(14112922)	
3736251.95					

3736251.95	398702.79	3736251.95	5.00727	(14112922)	398722.79
3736251.95	398742.79	5.09998 (14112922)	5.17321	(14112922)	398762.79
3736251.95	398782.79	5.25167 (14112922)	5.33147	(14112922)	398802.79
3736251.95	398822.79	5.37597 (14112922)	5.50411	(14112922)	398842.79
3736251.95	398862.79	5.57867 (14112922)	5.51633	(14112922)	398882.79
3736251.95	398902.79	5.54939 (14112922)	5.75803	(14112922)	398922.79
3736251.95	398942.79	5.87190 (14112922)	5.94714	(14112922)	398962.79
3736251.95	398982.79	6.02346 (14112922)	6.10807	(14112922)	399002.79
3736251.95	399022.79	6.19418 (14112922)	6.28398	(14112922)	399042.79
3736251.95	399062.79	6.39477 (14112922)	6.50257	(14112922)	399082.79
3736251.95	399102.79	6.59335 (14112922)	6.67138	(14112922)	399122.79
3736251.95	399142.79	6.67004 (14112922)	6.62868	(14112922)	399162.79
3736251.95	399182.79	6.83022 (14112922)	6.99842	(14112922)	399202.79
3736251.95	399222.79	7.12483 (14112922)	7.21640	(14112922)	399242.79
3736251.95	399262.79	7.32046 (14112922)	7.37634	(14112922)	399282.79
3736251.95	399302.79	7.48258 (12021518)	7.65551	(12021518)	399322.79
3736251.95	399342.79	7.81923 (12021518)	8.11771	(13112217)	399362.79
3736251.95	399382.79	8.44910 (13112217)	8.79332	(13112217)	399402.79
3736251.95	399422.79	9.16725 (13112217)	9.54849	(13112217)	399442.79
3736251.95	399462.79	9.96113 (13112217)	10.38767	(13112217)	399482.79
3736251.95	399502.79	10.82535 (13112217)	11.25251	(13112217)	399522.79
3736251.95	399542.79	11.72665 (13112217)	12.22178	(13112217)	399562.79
3736251.95	399582.79	12.69290 (13112217)	13.20112	(13112217)	399602.79
3736251.95	399622.79	13.72670 (13112217)	14.24286	(13112217)	399642.79
3736251.95	399662.79	14.73092 (13112217)	15.25700	(13112217)	399682.79
3736251.95		15.71903 (13112217)			

399702.79	3736251.95	16.13264	(13112217)	399722.79
3736251.95	16.42735	(13112217)		
399742.79	3736251.95	16.72402	(13112217)	399762.79
3736251.95	16.96676	(13112217)		
399782.79	3736251.95	17.06906	(13112217)	399802.79
3736251.95	17.21610	(13112217)		
399822.79	3736251.95	17.27042	(13112217)	399842.79
3736251.95	18.19807	(12020719)		
399862.79	3736251.95	19.74959	(12020719)	399882.79
3736251.95	21.30927	(12020719)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399902.79	3736251.95	22.75006	(12020719)	399922.79
3736251.95	24.24664	(12101804)		
399942.79	3736251.95	26.23556	(12101804)	399962.79
3736251.95	28.06082	(14121122)		
398682.79	3736271.95	4.84799	(14112922)	398702.79
3736271.95	5.03416	(14112922)		
398722.79	3736271.95	5.11556	(14112922)	398742.79
3736271.95	5.18977	(14112922)		
398762.79	3736271.95	5.24863	(14112922)	398782.79
3736271.95	5.32514	(14112922)		
398802.79	3736271.95	5.41867	(14112922)	398822.79
3736271.95	5.52409	(14112922)		
398842.79	3736271.95	5.57623	(14112922)	398862.79
3736271.95	5.49700	(14112922)		
398882.79	3736271.95	5.56339	(14112922)	398902.79
3736271.95	5.74693	(14112922)		
398922.79	3736271.95	5.85399	(14112922)	398942.79
3736271.95	5.92316	(14112922)		

3736271.95	398962.79	3736271.95	5.99097	(14112922)	398982.79
3736271.95	399002.79	3736271.95	6.06125	(14112922)	399022.79
3736271.95	399042.79	3736271.95	6.14046	(14112922)	399062.79
3736271.95	399082.79	3736271.95	6.21953	(14112922)	399102.79
3736271.95	399122.79	3736271.95	6.31514	(14112922)	399142.79
3736271.95	399162.79	3736271.95	6.41482	(14112922)	399182.79
3736271.95	399202.79	3736271.95	6.51394	(14112922)	399222.79
3736271.95	399242.79	3736271.95	6.66434	(14112922)	399262.79
3736271.95	399282.79	3736271.95	6.63954	(14112922)	399302.79
3736271.95	399322.79	3736271.95	6.68999	(14112922)	399342.79
3736271.95	399362.79	3736271.95	6.90008	(14112922)	399382.79
3736271.95	399402.79	3736271.95	7.01592	(14112922)	399422.79
3736271.95	399442.79	3736271.95	7.08784	(14112922)	399462.79
3736271.95	399482.79	3736271.95	7.28328	(13112217)	399502.79
3736271.95	399522.79	3736271.95	7.58082	(13112217)	399542.79
3736271.95	399562.79	3736271.95	7.89286	(13112217)	399582.79
3736271.95	399602.79	3736271.95	8.19109	(13112217)	399622.79
3736271.95	399642.79	3736271.95	8.50978	(13112217)	399662.79
3736271.95	399682.79	3736271.95	8.83296	(13112217)	399702.79
3736271.95	399722.79	3736271.95	9.17396	(13112217)	399742.79
3736271.95	399762.79	3736271.95	9.52949	(13112217)	399782.79
3736271.95	399802.79	3736271.95	9.90130	(13112217)	399822.79
3736271.95	399842.79	3736271.95	10.28310	(13112217)	399862.79
3736271.95	399882.79	3736271.95	10.69860	(13112217)	399902.79
3736271.95	399922.79	3736271.95	11.12295	(13112217)	399942.79
3736271.95	399962.79	3736271.95	11.53596	(13112217)	399982.79
3736271.95	399982.79	3736271.95	11.95717	(13112217)	399992.79
3736271.95	399992.79	3736271.95	12.43086	(13112217)	399992.79
3736271.95	399992.79	3736271.95	12.86459	(13112217)	399992.79
3736271.95	399992.79	3736271.95	13.30601	(13112217)	399992.79
3736271.95	399992.79	3736271.95	13.73512	(13112217)	399992.79
3736271.95	399992.79	3736271.95	14.18413	(13112217)	399992.79
3736271.95	399992.79	3736271.95	14.60334	(13112217)	399992.79
3736271.95	399992.79	3736271.95	14.97764	(13112217)	399992.79
3736271.95	399992.79	3736271.95	15.31480	(13112217)	399992.79
3736271.95	399992.79	3736271.95	15.59440	(13112217)	399992.79
3736271.95	399992.79	3736271.95	15.75009	(13112217)	399992.79
3736271.95	399992.79	3736271.95	15.90081	(13112217)	399992.79
3736271.95	399992.79	3736271.95	15.83663	(13112217)	399992.79
3736271.95	399992.79	3736271.95	15.80050	(13112217)	399992.79
3736271.95	399992.79	3736271.95	16.51630	(12020719)	399992.79
3736271.95	399992.79	3736271.95	17.99377	(12020719)	399992.79
3736271.95	399992.79	3736271.95	19.41963	(12020719)	399992.79
3736271.95	399992.79	3736271.95	20.72330	(12020719)	399992.79
3736271.95	399992.79	3736271.95	21.96967	(12020719)	399992.79
3736271.95	399992.79	3736271.95	23.25747	(12101804)	399992.79
3736271.95	399992.79	3736271.95	24.99340	(12101804)	399992.79
3736291.95	4.85102	(14112922)			

398702.79	3736291.95	5.04205	(14112922)	398722.79
3736291.95	5.11715	(14112922)		
398742.79	3736291.95	5.17698	(14112922)	398762.79
3736291.95	5.25147	(14112922)		
398782.79	3736291.95	5.32109	(14112922)	398802.79
3736291.95	5.36100	(14112922)		
398822.79	3736291.95	5.47661	(14112922)	398842.79
3736291.95	5.54435	(14112922)		
398862.79	3736291.95	5.44053	(14112922)	398882.79
3736291.95	5.54713	(14112922)		
398902.79	3736291.95	5.70146	(14112922)	398922.79
3736291.95	5.80216	(14112922)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398942.79	3736291.95	5.87726	(14112922)	398962.79
3736291.95	5.94459	(14112922)		
398982.79	3736291.95	5.98817	(14112922)	399002.79
3736291.95	6.05222	(14112922)		
399022.79	3736291.95	6.12475	(14112922)	399042.79
3736291.95	6.19759	(14112922)		
399062.79	3736291.95	6.27288	(14112922)	399082.79
3736291.95	6.35888	(14112922)		
399102.79	3736291.95	6.42982	(14112922)	399122.79
3736291.95	6.49902	(14112922)		
399142.79	3736291.95	6.52115	(14112922)	399162.79
3736291.95	6.61057	(15051305)		
399182.79	3736291.95	6.65934	(15051305)	399202.79
3736291.95	6.70453	(13112217)		
399222.79	3736291.95	7.01835	(13112217)	399242.79
3736291.95	7.32680	(13112217)		

3736291.95	399262.79	3736291.95	7.61679	(13112217)	399282.79
3736291.95	399302.79	3736291.95	7.90359	(13112217)	399322.79
3736291.95	399342.79	3736291.95	8.19786	(13112217)	399362.79
3736291.95	399382.79	3736291.95	8.50480	(13112217)	399402.79
3736291.95	399422.79	3736291.95	8.81007	(13112217)	399442.79
3736291.95	399462.79	3736291.95	8.81007	(13112217)	399482.79
3736291.95	399502.79	3736291.95	9.12931	(13112217)	399522.79
3736291.95	399542.79	3736291.95	9.46995	(13112217)	399562.79
3736291.95	399582.79	3736291.95	9.79827	(13112217)	399602.79
3736291.95	399622.79	3736291.95	10.14541	(13112217)	399642.79
3736291.95	399662.79	3736291.95	10.49741	(13112217)	399682.79
3736291.95	399702.79	3736291.95	10.86681	(13112217)	399722.79
3736291.95	399742.79	3736291.95	11.24459	(13112217)	399762.79
3736291.95	399782.79	3736291.95	11.64348	(13112217)	399802.79
3736291.95	399822.79	3736291.95	11.64348	(13112217)	399842.79
3736291.95	399862.79	3736291.95	12.05340	(13112217)	399882.79
3736291.95	399902.79	3736291.95	12.43375	(13112217)	399922.79
3736291.95	399942.79	3736291.95	12.83118	(13112217)	399942.79
3736291.95	399982.79	3736291.95	13.19581	(13112217)	399962.79
3736291.95	399992.79	3736291.95	13.54494	(13112217)	399982.79
3736311.95	398682.79	3736311.95	13.86587	(13112217)	399992.79
3736311.95	398722.79	3736311.95	14.18380	(13112217)	398702.79
3736311.95	398762.79	3736311.95	14.40141	(13112217)	398742.79
3736311.95	398802.79	3736311.95	14.62639	(13112217)	398782.79
3736311.95	398842.79	3736311.95	14.69759	(13112217)	398822.79
3736311.95	398882.79	3736311.95	14.74540	(13112217)	398862.79
3736311.95	398922.79	3736311.95	14.94934	(12020719)	398902.79
3736311.95	398962.79	3736311.95	14.94934	(12020719)	398942.79
3736311.95	399002.79	3736311.95	16.30288	(12020719)	398982.79
3736311.95	399042.79	3736311.95	17.62570	(12020719)	399002.79
3736311.95	399082.79	3736311.95	18.82066	(12020719)	399042.79
3736311.95	399122.79	3736311.95	19.99763	(12020719)	399082.79
3736311.95	399162.79	3736311.95	21.00243	(12020719)	399122.79
3736311.95	399202.79	3736311.95	22.24333	(12101804)	399162.79
3736311.95	399242.79	3736311.95	22.24333	(12101804)	399202.79
3736311.95	399282.79	3736311.95	23.67685	(12101804)	399242.79
3736311.95	399322.79	3736311.95	24.92604	(12101804)	399282.79
3736311.95	399362.79	3736311.95	4.83266	(14112922)	399322.79
3736311.95	399402.79	3736311.95	5.01881	(14112922)	399362.79
3736311.95	399442.79	3736311.95	5.08385	(14112922)	399402.79
3736311.95	399482.79	3736311.95	5.14953	(14112922)	399442.79
3736311.95	399522.79	3736311.95	5.21564	(14112922)	399482.79
3736311.95	399562.79	3736311.95	5.28221	(14112922)	399522.79
3736311.95	399602.79	3736311.95	5.30723	(14112922)	399562.79
3736311.95	399642.79	3736311.95	5.41631	(14112922)	399602.79
3736311.95	399682.79	3736311.95	5.48379	(14112922)	399642.79
3736311.95	399722.79	3736311.95	5.35088	(14112922)	399682.79
3736311.95	399762.79	3736311.95	5.49183	(14112922)	399722.79
3736311.95	399802.79	3736311.95	5.62285	(14112922)	399762.79
3736311.95	399842.79	3736311.95	5.71143	(14112922)	399802.79
3736311.95	399882.79	3736311.95	5.78059	(14112922)	399842.79
3736311.95	399922.79	3736311.95	5.83509	(14112922)	399882.79
3736311.95	399962.79	3736311.95	5.90089	(14112922)	399922.79
3736311.95	399992.79	3736311.95	5.90089	(14112922)	399962.79

3736311.95	399002.79	3736311.95	5.95368	(14112922)	399022.79
			5.99419	(14112922)	
3736311.95	399042.79	3736311.95	6.05447	(14112922)	399062.79
			6.11301	(14112922)	
3736311.95	399082.79	3736311.95	6.21718	(15051305)	399102.79
			6.36054	(15051305)	
3736311.95	399122.79	3736311.95	6.48753	(15051305)	399142.79
			6.58125	(15051305)	
3736311.95	399162.79	3736311.95	6.74933	(15051305)	399182.79
			6.86283	(13112217)	
3736311.95	399202.79	3736311.95	7.08707	(13112217)	399222.79
			7.22421	(13112217)	
3736311.95	399242.79	3736311.95	7.47897	(13112217)	399262.79
			7.84283	(13112217)	

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
3736311.95	399282.79	3736311.95	8.15238	(13112217)	399302.79
			8.43056	(13112217)	
3736311.95	399322.79	3736311.95	8.73238	(13112217)	399342.79
			9.03038	(13112217)	
3736311.95	399362.79	3736311.95	9.33501	(13112217)	399382.79
			9.64962	(13112217)	
3736311.95	399402.79	3736311.95	9.96647	(13112217)	399422.79
			10.28052	(13112217)	
3736311.95	399442.79	3736311.95	10.60066	(13112217)	399462.79
			10.92570	(13112217)	
3736311.95	399482.79	3736311.95	11.24651	(13112217)	399502.79
			11.57993	(13112217)	
3736311.95	399522.79	3736311.95	11.92131	(13112217)	399542.79
			12.26682	(13112217)	

399562.79	3736311.95	12.58543	(13112217)	399582.79
3736311.95	12.83641	(13112217)		
399602.79	3736311.95	13.08213	(13112217)	399622.79
3736311.95	13.34146	(13112217)		
399642.79	3736311.95	13.50403	(13112217)	399662.79
3736311.95	13.61644	(13112217)		
399682.79	3736311.95	13.67472	(13112217)	399702.79
3736311.95	13.62435	(13112217)		
399722.79	3736311.95	14.04908	(15091502)	399742.79
3736311.95	14.75177	(12020719)		
399762.79	3736311.95	15.80355	(12020719)	399782.79
3736311.95	17.02612	(12020719)		
399802.79	3736311.95	18.15463	(12020719)	399822.79
3736311.95	19.14498	(12020719)		
399842.79	3736311.95	19.99573	(12020719)	399862.79
3736311.95	21.12585	(12101804)		
399882.79	3736311.95	22.31441	(12101804)	399902.79
3736311.95	23.28097	(12101804)		
399922.79	3736311.95	24.24673	(14121122)	398682.79
3736331.95	4.79402	(14112922)		
398702.79	3736331.95	4.97346	(14112922)	398722.79
3736331.95	5.03637	(14112922)		
398742.79	3736331.95	5.09373	(14112922)	398762.79
3736331.95	5.15414	(14112922)		
398782.79	3736331.95	5.20825	(14112922)	398802.79
3736331.95	5.26858	(14112922)		
398822.79	3736331.95	5.32731	(14112922)	398842.79
3736331.95	5.39582	(14112922)		
398862.79	3736331.95	5.24058	(14112922)	398882.79
3736331.95	5.40500	(14112922)		
398902.79	3736331.95	5.51287	(14112922)	398922.79
3736331.95	5.58234	(14112922)		
398942.79	3736331.95	5.64616	(14112922)	398962.79
3736331.95	5.70370	(14112922)		
398982.79	3736331.95	5.78266	(15051305)	399002.79
3736331.95	5.87483	(15051305)		
399022.79	3736331.95	5.98878	(15051305)	399042.79
3736331.95	6.09400	(15051305)		
399062.79	3736331.95	6.20846	(15051305)	399082.79
3736331.95	6.32704	(15051305)		
399102.79	3736331.95	6.45356	(15051305)	399122.79
3736331.95	6.56057	(15051305)		
399142.79	3736331.95	6.65470	(15051305)	399162.79
3736331.95	6.87884	(13112217)		
399182.79	3736331.95	7.09099	(13112217)	399202.79
3736331.95	7.32966	(13112217)		
399222.79	3736331.95	7.56103	(13112217)	399242.79
3736331.95	7.72927	(13112217)		
399262.79	3736331.95	7.89551	(13112217)	399282.79
3736331.95	8.25080	(13112217)		

3736331.95	399302.79	3736331.95	8.58154	(13112217)	399322.79
		8.87097	(13112217)		
3736331.95	399342.79	3736331.95	9.16271	(13112217)	399362.79
		9.45138	(13112217)		
3736331.95	399382.79	3736331.95	9.73317	(13112217)	399402.79
		10.01084	(13112217)		
3736331.95	399422.79	3736331.95	10.29908	(13112217)	399442.79
		10.57956	(13112217)		
3736331.95	399462.79	3736331.95	10.85591	(13112217)	399482.79
		11.11234	(13112217)		
3736331.95	399502.79	3736331.95	11.39077	(13112217)	399522.79
		11.65333	(13112217)		
3736331.95	399542.79	3736331.95	11.89287	(13112217)	399562.79
		12.15153	(13112217)		
3736331.95	399582.79	3736331.95	12.36942	(13112217)	399602.79
		12.51006	(13112217)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
3736331.95	399622.79	3736331.95	12.62804	(13112217)	399642.79
		12.67665	(13112217)		
3736331.95	399662.79	3736331.95	12.65299	(13112217)	399682.79
		13.12035	(15091502)		
3736331.95	399702.79	3736331.95	13.85366	(15091502)	399722.79
		14.48497	(12020719)		
3736331.95	399742.79	3736331.95	15.37450	(12020719)	399762.79
		16.38049	(12020719)		
3736331.95	399782.79	3736331.95	17.35377	(12020719)	399802.79
		18.25886	(12020719)		
3736331.95	399822.79	3736331.95	19.01459	(12020719)	399842.79
		20.11230	(12101804)		

399862.79	3736331.95	21.12454	(12101804)	399882.79
3736331.95	21.90709	(12101804)		
399902.79	3736331.95	22.47828	(12041023)	399922.79
3736331.95	24.05338	(14121122)		
399982.79	3736331.95	27.63815	(12052423)	400162.79
3736331.95	35.49823	(16030606)		
400182.79	3736331.95	38.43252	(16030606)	398682.79
3736351.95	4.73516	(14112922)		
398702.79	3736351.95	4.90681	(14112922)	398722.79
3736351.95	4.96520	(14112922)		
398742.79	3736351.95	5.01540	(14112922)	398762.79
3736351.95	5.06950	(14112922)		
398782.79	3736351.95	5.12124	(14112922)	398802.79
3736351.95	5.17106	(14112922)		
398822.79	3736351.95	5.22977	(14112922)	398842.79
3736351.95	5.28062	(14112922)		
398862.79	3736351.95	5.10578	(14112922)	398882.79
3736351.95	5.28935	(14112922)		
398902.79	3736351.95	5.42938	(15051305)	398922.79
3736351.95	5.55050	(15051305)		
398942.79	3736351.95	5.65862	(15051305)	398962.79
3736351.95	5.76244	(15051305)		
398982.79	3736351.95	5.86709	(15051305)	399002.79
3736351.95	5.98059	(15051305)		
399022.79	3736351.95	6.09197	(15051305)	399042.79
3736351.95	6.20069	(15051305)		
399062.79	3736351.95	6.28445	(15051305)	399082.79
3736351.95	6.39222	(15051305)		
399102.79	3736351.95	6.49089	(15051305)	399122.79
3736351.95	6.62434	(13112217)		
399142.79	3736351.95	6.83325	(13112217)	399162.79
3736351.95	7.05722	(13112217)		
399182.79	3736351.95	7.27285	(13112217)	399202.79
3736351.95	7.49761	(13112217)		
399222.79	3736351.95	7.72273	(13112217)	399242.79
3736351.95	7.94993	(13112217)		
399262.79	3736351.95	8.14841	(13112217)	399282.79
3736351.95	8.27554	(13112217)		
399302.79	3736351.95	8.55234	(13112217)	399322.79
3736351.95	8.92179	(13112217)		
399342.79	3736351.95	9.20278	(13112217)	399362.79
3736351.95	9.46548	(13112217)		
399382.79	3736351.95	9.70395	(13112217)	399402.79
3736351.95	9.95498	(13112217)		
399422.79	3736351.95	10.20373	(13112217)	399442.79
3736351.95	10.44005	(13112217)		
399462.79	3736351.95	10.67228	(13112217)	399482.79
3736351.95	10.87828	(13112217)		
399502.79	3736351.95	11.06744	(13112217)	399522.79
3736351.95	11.25362	(13112217)		

399542.79	3736351.95	11.41801	(13112217)	399562.79
3736351.95	11.54697	(13112217)		
399582.79	3736351.95	11.67463	(13112217)	399602.79
3736351.95	11.80394	(16120224)		
399622.79	3736351.95	11.94345	(16120224)	399642.79
3736351.95	12.25917	(15091502)		
399662.79	3736351.95	12.88083	(15091502)	399682.79
3736351.95	13.53252	(15091502)		
399702.79	3736351.95	14.17712	(12020719)	399722.79
3736351.95	14.93796	(12020719)		
399742.79	3736351.95	15.77443	(12020719)	399762.79
3736351.95	16.63850	(12020719)		
399782.79	3736351.95	17.35640	(12020719)	399802.79
3736351.95	18.00254	(12101804)		
399822.79	3736351.95	19.07642	(12101804)	399842.79
3736351.95	19.99057	(12101804)		
399862.79	3736351.95	20.68788	(12101804)	399882.79
3736351.95	21.14465	(12041023)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399902.79	3736351.95	22.03570	(14121122)	399922.79
3736351.95	23.37978	(14121122)		
399942.79	3736351.95	24.33894	(14121122)	399962.79
3736351.95	25.27191	(12052423)		
399982.79	3736351.95	27.03614	(12052423)	400002.79
3736351.95	28.07982	(12052423)		
400022.79	3736351.95	29.07034	(16122319)	400042.79
3736351.95	30.08196	(16122320)		
400062.79	3736351.95	30.95520	(16122320)	400082.79
3736351.95	31.63140	(12020717)		

400102.79	3736351.95	33.22917	(15060922)	400122.79
3736351.95	33.44526	(15060922)		
400142.79	3736351.95	32.89331	(16030605)	400162.79
3736351.95	33.90251	(16030606)		
400182.79	3736351.95	35.92899	(16030606)	398682.79
3736371.95	4.65828	(14112922)		
398702.79	3736371.95	4.81997	(14112922)	398722.79
3736371.95	4.86814	(14112922)		
398742.79	3736371.95	4.89842	(14112922)	398762.79
3736371.95	4.96314	(14112922)		
398782.79	3736371.95	5.00977	(14112922)	398802.79
3736371.95	5.08030	(15051305)		
398822.79	3736371.95	5.16911	(15051305)	398842.79
3736371.95	5.26650	(15051305)		
398862.79	3736371.95	5.12755	(15051305)	398882.79
3736371.95	5.37556	(15051305)		
398902.79	3736371.95	5.50987	(15051305)	398922.79
3736371.95	5.62173	(15051305)		
398942.79	3736371.95	5.72143	(15051305)	398962.79
3736371.95	5.82553	(15051305)		
398982.79	3736371.95	5.92239	(15051305)	399002.79
3736371.95	6.01914	(15051305)		
399022.79	3736371.95	6.12614	(15051305)	399042.79
3736371.95	6.22446	(15051305)		
399062.79	3736371.95	6.30717	(15051305)	399082.79
3736371.95	6.39843	(13112217)		
399102.79	3736371.95	6.58176	(13112217)	399122.79
3736371.95	6.78401	(13112217)		
399142.79	3736371.95	6.99574	(13112217)	399162.79
3736371.95	7.18375	(13112217)		
399182.79	3736371.95	7.39459	(13112217)	399202.79
3736371.95	7.60656	(13112217)		
399222.79	3736371.95	7.81880	(13112217)	399242.79
3736371.95	8.01082	(13112217)		
399262.79	3736371.95	8.24686	(13112217)	399282.79
3736371.95	8.46513	(13112217)		
399302.79	3736371.95	8.60155	(13112217)	399322.79
3736371.95	8.73565	(13112217)		
399342.79	3736371.95	9.08517	(13112217)	399362.79
3736371.95	9.37416	(13112217)		
399382.79	3736371.95	9.58750	(13112217)	399402.79
3736371.95	9.80031	(13112217)		
399422.79	3736371.95	10.01717	(13112217)	399442.79
3736371.95	10.20743	(13112217)		
399462.79	3736371.95	10.38883	(13112217)	399482.79
3736371.95	10.54155	(13112217)		
399502.79	3736371.95	10.66561	(13112217)	399522.79
3736371.95	10.75397	(13112217)		
399542.79	3736371.95	10.86469	(16120224)	399562.79
3736371.95	11.07063	(16120224)		

399582.79	3736371.95	11.23617	(16120224)	399602.79
3736371.95	11.39178	(16120224)		
399622.79	3736371.95	12.02926	(15091502)	399642.79
3736371.95	12.64169	(15091502)		
399662.79	3736371.95	13.20955	(15091502)	399682.79
3736371.95	13.77512	(12020719)		
399702.79	3736371.95	14.44194	(12020719)	399722.79
3736371.95	15.23984	(12020719)		
399742.79	3736371.95	15.98483	(12020719)	399762.79
3736371.95	16.58579	(12020719)		
399782.79	3736371.95	17.17121	(12101804)	399802.79
3736371.95	18.09255	(12101804)		
399822.79	3736371.95	18.89508	(12101804)	399842.79
3736371.95	19.49835	(12101804)		
399862.79	3736371.95	19.98825	(12041023)	399882.79
3736371.95	20.36612	(14121122)		
399902.79	3736371.95	21.43140	(14121122)	399922.79
3736371.95	22.26626	(14121122)		
399942.79	3736371.95	23.08911	(12052423)	399962.79
3736371.95	24.76346	(12052423)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399982.79	3736371.95	25.88090	(12052423)	400002.79
3736371.95	26.64520	(16122319)		
400022.79	3736371.95	27.51700	(16122319)	400042.79
3736371.95	28.22376	(16122320)		
400062.79	3736371.95	28.74569	(12020717)	400082.79
3736371.95	29.79755	(12020717)		
400102.79	3736371.95	30.54429	(15060922)	400122.79
3736371.95	31.10170	(16030605)		

400142.79	3736371.95	30.46907	(16030605)	400162.79
3736371.95	32.18063 (16030606)			
400182.79	3736371.95	33.57290	(16030606)	398682.79
3736391.95	4.56327 (14112922)			
398702.79	3736391.95	4.71895	(15051305)	398722.79
3736391.95	4.80354 (15051305)			
398742.79	3736391.95	4.87619	(15051305)	398762.79
3736391.95	4.97624 (15051305)			
398782.79	3736391.95	5.06426	(15051305)	398802.79
3736391.95	5.15332 (15051305)			
398822.79	3736391.95	5.24338	(15051305)	398842.79
3736391.95	5.33426 (15051305)			
398862.79	3736391.95	5.18336	(15051305)	398882.79
3736391.95	5.43883 (15051305)			
398902.79	3736391.95	5.54704	(15051305)	398922.79
3736391.95	5.64415 (15051305)			
398942.79	3736391.95	5.73433	(15051305)	398962.79
3736391.95	5.83482 (15051305)			
398982.79	3736391.95	5.94346	(15051305)	399002.79
3736391.95	6.03121 (15051305)			
399022.79	3736391.95	6.11466	(15051305)	399042.79
3736391.95	6.18878 (15051305)			
399062.79	3736391.95	6.34309	(13112217)	399082.79
3736391.95	6.52340 (13112217)			
399102.79	3736391.95	6.71488	(13112217)	399122.79
3736391.95	6.90261 (13112217)			
399142.79	3736391.95	7.07624	(13112217)	399162.79
3736391.95	7.25718 (13112217)			
399182.79	3736391.95	7.45590	(13112217)	399202.79
3736391.95	7.65584 (13112217)			
399222.79	3736391.95	7.84069	(13112217)	399242.79
3736391.95	8.04093 (13112217)			
399262.79	3736391.95	8.24888	(13112217)	399282.79
3736391.95	8.44250 (13112217)			
399302.79	3736391.95	8.64521	(13112217)	399322.79
3736391.95	8.79683 (13112217)			
399342.79	3736391.95	8.83963	(13112217)	399362.79
3736391.95	9.08502 (13112217)			
399382.79	3736391.95	9.36785	(13112217)	399402.79
3736391.95	9.56227 (13112217)			
399422.79	3736391.95	9.72378	(13112217)	399442.79
3736391.95	9.85295 (13112217)			
399462.79	3736391.95	9.97117	(13112217)	399482.79
3736391.95	10.15095 (16120224)			
399502.79	3736391.95	10.40567	(16120224)	399522.79
3736391.95	10.55098 (16120224)			
399542.79	3736391.95	10.67776	(16120224)	399562.79
3736391.95	10.79774 (16120224)			
399582.79	3736391.95	11.16060	(15091502)	399602.79
3736391.95	11.69858 (15091502)			

3736391.95	399622.79	3736391.95	12.24800	(15091502)	399642.79
	399662.79	3736391.95	13.36170	(12020719)	399682.79
3736391.95	13.92325	(12020719)			
	399702.79	3736391.95	14.58153	(12020719)	399722.79
3736391.95	15.22472	(12020719)			
	399742.79	3736391.95	15.80528	(12020719)	399762.79
3736391.95	16.36310	(12101804)			
	399782.79	3736391.95	17.14076	(12101804)	399802.79
3736391.95	17.82008	(12101804)			
	399822.79	3736391.95	18.34893	(12101804)	399842.79
3736391.95	18.73731	(12041023)			
	399862.79	3736391.95	18.90734	(12041023)	399882.79
3736391.95	19.74923	(14121122)			
	399902.79	3736391.95	20.45640	(14121122)	399922.79
3736391.95	21.18391	(12052423)			
	399942.79	3736391.95	22.81274	(12052423)	399962.79
3736391.95	23.88965	(12052423)			
	399982.79	3736391.95	24.44224	(16122319)	400002.79
3736391.95	25.45155	(16122319)			
	400022.79	3736391.95	25.71902	(16122319)	400042.79
3736391.95	26.29162	(16062022)			

▲ *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
400062.79	3736391.95	27.43487	(12020717)	400082.79
3736391.95	28.10543	(16122322)		
400102.79	3736391.95	28.55955	(16122322)	400122.79
3736391.95	29.14174	(16030605)		
400142.79	3736391.95	28.20593	(16030605)	400162.79
3736391.95	30.31882	(16030606)		

	400182.79	3736391.95	31.39641	(16062019)	398682.79
3736411.95		4.59790 (15051305)			
	398702.79	3736411.95	4.78681	(15051305)	398722.79
3736411.95		4.86826 (15051305)			
	398742.79	3736411.95	4.95060	(15051305)	398762.79
3736411.95		5.03368 (15051305)			
	398782.79	3736411.95	5.11755	(15051305)	398802.79
3736411.95		5.20204 (15051305)			
	398822.79	3736411.95	5.28702	(15051305)	398842.79
3736411.95		5.37247 (15051305)			
	398862.79	3736411.95	5.21847	(15051305)	398882.79
3736411.95		5.47127 (15051305)			
	398902.79	3736411.95	5.56060	(15051305)	398922.79
3736411.95		5.64550 (15051305)			
	398942.79	3736411.95	5.73269	(15051305)	398962.79
3736411.95		5.82030 (15051305)			
	398982.79	3736411.95	5.92090	(15051305)	399002.79
3736411.95		6.00515 (15051305)			
	399022.79	3736411.95	6.10946	(13112217)	399042.79
3736411.95		6.27370 (13112217)			
	399062.79	3736411.95	6.45141	(13112217)	399082.79
3736411.95		6.62027 (13112217)			
	399102.79	3736411.95	6.78249	(13112217)	399122.79
3736411.95		6.95571 (13112217)			
	399142.79	3736411.95	7.11532	(13112217)	399162.79
3736411.95		7.28066 (13112217)			
	399182.79	3736411.95	7.45621	(13112217)	399202.79
3736411.95		7.63922 (13112217)			
	399222.79	3736411.95	7.81265	(13112217)	399242.79
3736411.95		8.00856 (13112217)			
	399262.79	3736411.95	8.18264	(13112217)	399282.79
3736411.95		8.36096 (13112217)			
	399302.79	3736411.95	8.51856	(13112217)	399322.79
3736411.95		8.67759 (13112217)			
	399342.79	3736411.95	8.82574	(13112217)	399362.79
3736411.95		8.86174 (13112217)			
	399382.79	3736411.95	8.92060	(13112217)	399402.79
3736411.95		9.18106 (13112217)			
	399422.79	3736411.95	9.45201	(16120224)	399442.79
3736411.95		9.65985 (16120224)			
	399462.79	3736411.95	9.83413	(16120224)	399482.79
3736411.95		10.00930 (16120224)			
	399502.79	3736411.95	10.20631	(16120224)	399522.79
3736411.95		10.32385 (16120224)			
	399542.79	3736411.95	10.48279	(15091502)	399562.79
3736411.95		10.95815 (15091502)			
	399582.79	3736411.95	11.43871	(15091502)	399602.79
3736411.95		11.89207 (15091502)			
	399622.79	3736411.95	12.35745	(15091502)	399642.79
3736411.95		12.85723 (12020719)			

399662.79	3736411.95	13.42897	(12020719)	399682.79
3736411.95	13.91904	(12020719)		
399702.79	3736411.95	14.52048	(12020719)	399722.79
3736411.95	14.99457	(12020719)		
399742.79	3736411.95	15.58057	(12101804)	399762.79
3736411.95	16.25850	(12101804)		
399782.79	3736411.95	16.82910	(12101804)	399802.79
3736411.95	17.23827	(12101804)		
399822.79	3736411.95	17.65126	(12041023)	399842.79
3736411.95	17.80665	(12041023)		
399862.79	3736411.95	18.27051	(14121122)	399882.79
3736411.95	18.89406	(14121122)		
399902.79	3736411.95	19.50200	(12052423)	399922.79
3736411.95	20.89495	(12052423)		
399942.79	3736411.95	22.04068	(12052423)	399962.79
3736411.95	22.65286	(12052423)		
399982.79	3736411.95	23.52680	(16122319)	400002.79
3736411.95	23.99515	(16122319)		
400022.79	3736411.95	24.08490	(16062022)	400042.79
3736411.95	25.12773	(16062022)		
400062.79	3736411.95	25.73169	(12020717)	400082.79
3736411.95	26.57388	(16122322)		
400102.79	3736411.95	27.17811	(16030605)	400122.79
3736411.95	27.24783	(16030605)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
400142.79	3736411.95	26.55443	(16030606)	400162.79
3736411.95	28.64704	(16030606)		
400182.79	3736411.95	29.40086	(16062019)	398682.79
3736431.95	4.65295	(15051305)		

398702.79	3736431.95	4.83457	(15051305)	398722.79
3736431.95	4.93308	(15051305)		
398742.79	3736431.95	5.01078	(15051305)	398762.79
3736431.95	5.08548	(15051305)		
398782.79	3736431.95	5.15337	(15051305)	398802.79
3736431.95	5.22618	(15051305)		
398822.79	3736431.95	5.32675	(15051305)	398842.79
3736431.95	5.36161	(15051305)		
398862.79	3736431.95	5.21591	(15051305)	398882.79
3736431.95	5.47378	(15051305)		
398902.79	3736431.95	5.54578	(15051305)	398922.79
3736431.95	5.62457	(15051305)		
398942.79	3736431.95	5.70150	(15051305)	398962.79
3736431.95	5.77808	(15051305)		
398982.79	3736431.95	5.89703	(13112217)	399002.79
3736431.95	6.03518	(13112217)		
399022.79	3736431.95	6.17788	(13112217)	399042.79
3736431.95	6.34700	(13112217)		
399062.79	3736431.95	6.50217	(13112217)	399082.79
3736431.95	6.65988	(13112217)		
399102.79	3736431.95	6.81585	(13112217)	399122.79
3736431.95	6.96991	(13112217)		
399142.79	3736431.95	7.11145	(13112217)	399162.79
3736431.95	7.25922	(13112217)		
399182.79	3736431.95	7.41454	(13112217)	399202.79
3736431.95	7.57011	(13112217)		
399222.79	3736431.95	7.73161	(13112217)	399242.79
3736431.95	7.90458	(13112217)		
399262.79	3736431.95	8.05688	(13112217)	399282.79
3736431.95	8.20228	(13112217)		
399302.79	3736431.95	8.34647	(13112217)	399322.79
3736431.95	8.47350	(13112217)		
399342.79	3736431.95	8.61578	(16120224)	399362.79
3736431.95	8.80038	(16120224)		
399382.79	3736431.95	8.94447	(16120224)	399402.79
3736431.95	8.92573	(16120224)		
399422.79	3736431.95	9.21212	(16120224)	399442.79
3736431.95	9.50805	(16120224)		
399462.79	3736431.95	9.69072	(16120224)	399482.79
3736431.95	9.80384	(16120224)		
399502.79	3736431.95	9.89766	(16120224)	399522.79
3736431.95	10.33282	(15091502)		
399542.79	3736431.95	10.76001	(15091502)	399562.79
3736431.95	11.18978	(15091502)		
399582.79	3736431.95	11.60165	(15091502)	399602.79
3736431.95	11.97478	(15091502)		
399622.79	3736431.95	12.38156	(12020719)	399642.79
3736431.95	12.87039	(12020719)		
399662.79	3736431.95	13.31675	(12020719)	399682.79
3736431.95	13.74053	(12020719)		

399702.79	3736431.95	14.19835	(12020719)	399722.79
3736431.95	14.80917	(12101804)		
399742.79	3736431.95	15.40532	(12101804)	399762.79
3736431.95	15.91319	(12101804)		
399782.79	3736431.95	16.24353	(12041023)	399802.79
3736431.95	16.56521	(12041023)		
399822.79	3736431.95	16.68542	(12041023)	399842.79
3736431.95	16.93186	(14121122)		
399862.79	3736431.95	17.50690	(14121122)	399882.79
3736431.95	18.06854	(12052423)		
399902.79	3736431.95	19.30496	(12052423)	399922.79
3736431.95	20.34362	(12052423)		
399942.79	3736431.95	21.04200	(12052423)	399962.79
3736431.95	21.74959	(16122319)		
399982.79	3736431.95	22.39353	(16122319)	400002.79
3736431.95	22.44915	(16122319)		
400022.79	3736431.95	23.32862	(16062022)	400042.79
3736431.95	23.82365	(16062022)		
400062.79	3736431.95	24.43520	(16122322)	400082.79
3736431.95	25.21199	(16122322)		
400102.79	3736431.95	25.85789	(16030605)	400122.79
3736431.95	25.54753	(16030605)		
400142.79	3736431.95	25.37553	(16030606)	400162.79
3736431.95	27.04131	(16030606)		
400182.79	3736431.95	27.56233	(16062019)	398682.79
3736451.95	4.68826	(15051305)		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398702.79	3736451.95	4.86200	(15051305)	398722.79
3736451.95	4.94348	(15051305)		

3736451.95	398742.79	3736451.95	5.00950	(15051305)	398762.79
3736451.95	398782.79	3736451.95	5.15197	(15051305)	398802.79
3736451.95	398822.79	3736451.95	5.30379	(15051305)	398842.79
3736451.95	398862.79	3736451.95	5.19159	(15051305)	398882.79
3736451.95	398902.79	3736451.95	5.52204	(15051305)	398922.79
3736451.95	398942.79	3736451.95	5.67065	(13112217)	398962.79
3736451.95	398982.79	3736451.95	5.94410	(13112217)	399002.79
3736451.95	399022.79	3736451.95	6.21822	(13112217)	399042.79
3736451.95	399062.79	3736451.95	6.51239	(13112217)	399082.79
3736451.95	399102.79	3736451.95	6.80068	(13112217)	399122.79
3736451.95	399142.79	3736451.95	7.05336	(13112217)	399162.79
3736451.95	399182.79	3736451.95	7.32414	(13112217)	399202.79
3736451.95	399222.79	3736451.95	7.59571	(13112217)	399242.79
3736451.95	399262.79	3736451.95	7.86149	(13112217)	399282.79
3736451.95	399302.79	3736451.95	8.20848	(16120224)	399322.79
3736451.95	399342.79	3736451.95	8.58113	(16120224)	399362.79
3736451.95	399382.79	3736451.95	8.94292	(16120224)	399402.79
3736451.95	399422.79	3736451.95	9.02678	(16120224)	399442.79
3736451.95	399462.79	3736451.95	9.35077	(16120224)	399482.79
3736451.95	399502.79	3736451.95	10.10518	(15091502)	399522.79
3736451.95	399542.79	3736451.95	10.90578	(15091502)	399562.79
3736451.95	399582.79	3736451.95	11.63313	(15091502)	399602.79
3736451.95	399622.79	3736451.95	12.42610	(12020719)	399642.79
3736451.95	399662.79	3736451.95	13.09864	(12020719)	399682.79
3736451.95	399702.79	3736451.95	14.04870	(12101804)	399722.79
3736451.95		14.61543	(12101804)		

399742.79	3736451.95	15.05375	(12101804)	399762.79
3736451.95	15.41509	(12041023)		
399782.79	3736451.95	15.64515	(12041023)	399802.79
3736451.95	15.83271	(15100321)		
399822.79	3736451.95	15.87864	(15100321)	399842.79
3736451.95	16.26454	(14121122)		
399862.79	3736451.95	16.81023	(12052423)	399882.79
3736451.95	17.93031	(12052423)		
399902.79	3736451.95	18.90775	(12052423)	399922.79
3736451.95	19.58767	(12052423)		
399942.79	3736451.95	20.08476	(16122319)	399962.79
3736451.95	20.84244	(16122319)		
399982.79	3736451.95	21.10980	(16122319)	400002.79
3736451.95	21.64472	(16062022)		
400022.79	3736451.95	22.40445	(16062022)	400042.79
3736451.95	22.49573	(16062022)		
400062.79	3736451.95	23.41134	(16122322)	400082.79
3736451.95	23.99233	(16030605)		
400102.79	3736451.95	24.40482	(16030605)	400122.79
3736451.95	23.84513	(16030605)		
400142.79	3736451.95	24.27539	(16030606)	400162.79
3736451.95	25.52280	(16030606)		
400182.79	3736451.95	25.87326	(16062019)	398682.79
3736471.95	4.70374	(15051305)		
398702.79	3736471.95	4.86912	(15051305)	398722.79
3736471.95	4.94265	(15051305)		
398742.79	3736471.95	5.00438	(15051305)	398762.79
3736471.95	5.07010	(15051305)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

398782.79	3736471.95	5.13137	(15051305)	398802.79
3736471.95	5.18585	(15051305)		
398822.79	3736471.95	5.26702	(15051305)	398842.79
3736471.95	5.28689	(15051305)		
398862.79	3736471.95	5.13284	(15051305)	398882.79
3736471.95	5.37628	(15051305)		
398902.79	3736471.95	5.46296	(13112217)	398922.79
3736471.95	5.58825	(13112217)		
398942.79	3736471.95	5.71233	(13112217)	398962.79
3736471.95	5.83517	(13112217)		
398982.79	3736471.95	5.96258	(13112217)	399002.79
3736471.95	6.07701	(13112217)		
399022.79	3736471.95	6.22438	(13112217)	399042.79
3736471.95	6.35612	(13112217)		
399062.79	3736471.95	6.49949	(13112217)	399082.79
3736471.95	6.62251	(13112217)		
399102.79	3736471.95	6.74063	(13112217)	399122.79
3736471.95	6.86599	(13112217)		
399142.79	3736471.95	6.97821	(13112217)	399162.79
3736471.95	7.07809	(13112217)		
399182.79	3736471.95	7.19230	(13112217)	399202.79
3736471.95	7.30583	(13112217)		
399222.79	3736471.95	7.43558	(16120224)	399242.79
3736471.95	7.62537	(16120224)		
399262.79	3736471.95	7.82991	(16120224)	399282.79
3736471.95	8.02415	(16120224)		
399302.79	3736471.95	8.20431	(16120224)	399322.79
3736471.95	8.38583	(16120224)		
399342.79	3736471.95	8.52091	(16120224)	399362.79
3736471.95	8.65468	(16120224)		
399382.79	3736471.95	8.78306	(16120224)	399402.79
3736471.95	8.87976	(16120224)		
399422.79	3736471.95	8.98487	(16120224)	399442.79
3736471.95	9.05674	(15091502)		
399462.79	3736471.95	9.25017	(15091502)	399482.79
3736471.95	9.73615	(15091502)		
399502.79	3736471.95	10.20224	(15091502)	399522.79
3736471.95	10.57391	(15091502)		
399542.79	3736471.95	10.92004	(15091502)	399562.79
3736471.95	11.22189	(15091502)		
399582.79	3736471.95	11.53776	(12020719)	399602.79
3736471.95	11.91048	(12020719)		
399622.79	3736471.95	12.23492	(12020719)	399642.79
3736471.95	12.50523	(12020719)		
399662.79	3736471.95	12.82319	(12101804)	399682.79
3736471.95	13.38303	(12101804)		
399702.79	3736471.95	13.85006	(12101804)	399722.79
3736471.95	14.25663	(12101804)		
399742.79	3736471.95	14.56134	(12041023)	399762.79
3736471.95	14.86723	(15100321)		

399782.79	3736471.95	15.12275	(15100321)	399802.79
3736471.95	15.12662	(15100321)		
399822.79	3736471.95	15.16774	(14121122)	399842.79
3736471.95	15.73074	(12020718)		
399862.79	3736471.95	16.74281	(12020718)	399882.79
3736471.95	17.67027	(12020718)		
399902.79	3736471.95	18.30992	(12052423)	399922.79
3736471.95	18.68018	(12052423)		
399942.79	3736471.95	19.41057	(16122319)	399962.79
3736471.95	19.80974	(16122319)		
399982.79	3736471.95	20.00326	(16062022)	400002.79
3736471.95	20.98615	(16062022)		
400022.79	3736471.95	21.40335	(16062022)	400042.79
3736471.95	21.58717	(16122322)		
400062.79	3736471.95	22.36997	(16122322)	400082.79
3736471.95	22.91942	(16030605)		
400102.79	3736471.95	22.98717	(16030605)	400122.79
3736471.95	22.24866	(16030605)		
400142.79	3736471.95	23.14550	(16030606)	400162.79
3736471.95	24.13808	(16030606)		
400182.79	3736471.95	24.32315	(16062019)	398682.79
3736491.95	4.69458	(15051305)		
398702.79	3736491.95	4.85619	(15051305)	398722.79
3736491.95	4.91983	(15051305)		
398742.79	3736491.95	4.97791	(15051305)	398762.79
3736491.95	5.03772	(15051305)		
398782.79	3736491.95	5.09655	(15051305)	398802.79
3736491.95	5.15421	(15051305)		
398822.79	3736491.95	5.21044	(15051305)	398842.79
3736491.95	5.22020	(15051305)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

3736491.95	398862.79	3736491.95	5.13313	(13112217)	398882.79
3736491.95	398902.79	3736491.95	5.49029	(13112217)	398922.79
3736491.95	398942.79	3736491.95	5.72379	(13112217)	398962.79
3736491.95	398982.79	3736491.95	5.95038	(13112217)	399002.79
3736491.95	399022.79	3736491.95	6.19325	(13112217)	399042.79
3736491.95	399062.79	3736491.95	6.43727	(13112217)	399082.79
3736491.95	399102.79	3736491.95	6.65243	(13112217)	399122.79
3736491.95	399142.79	3736491.95	6.84875	(13112217)	399162.79
3736491.95	399182.79	3736491.95	7.13544	(16120224)	399202.79
3736491.95	399222.79	3736491.95	7.46417	(16120224)	399242.79
3736491.95	399262.79	3736491.95	7.83031	(16120224)	399282.79
3736491.95	399302.79	3736491.95	8.13643	(16120224)	399322.79
3736491.95	399342.79	3736491.95	8.38421	(16120224)	399362.79
3736491.95	399382.79	3736491.95	8.56208	(16120224)	399402.79
3736491.95	399422.79	3736491.95	8.95412	(15091502)	399442.79
3736491.95	399462.79	3736491.95	9.61783	(15091502)	399482.79
3736491.95	399502.79	3736491.95	10.04080	(15091502)	399522.79
3736491.95	399542.79	3736491.95	10.79735	(15091502)	399562.79
3736491.95	399582.79	3736491.95	11.44780	(12020719)	399602.79
3736491.95	399622.79	3736491.95	11.94613	(12020719)	399642.79
3736491.95	399662.79	3736491.95	12.79916	(12101804)	399682.79
3736491.95	399702.79	3736491.95	13.52387	(12101804)	399722.79
3736491.95	399742.79	3736491.95	14.15770	(15100321)	399762.79
3736491.95	399782.79	3736491.95	14.52908	(15100321)	399802.79
3736491.95		3736491.95	14.34488	(15100321)	

399822.79	3736491.95	14.80587	(12020718)	399842.79
3736491.95	15.74143	(12020718)		
399862.79	3736491.95	16.57264	(12020718)	399882.79
3736491.95	17.22143	(12020718)		
399902.79	3736491.95	17.56168	(12020718)	399922.79
3736491.95	18.08276	(16122319)		
399942.79	3736491.95	18.55710	(16122319)	399962.79
3736491.95	18.68835	(16122319)		
399982.79	3736491.95	19.51527	(16062022)	400002.79
3736491.95	20.14914	(16062022)		
400022.79	3736491.95	20.26511	(16062022)	400042.79
3736491.95	20.70997	(16122322)		
400062.79	3736491.95	21.18364	(16122322)	400082.79
3736491.95	21.78272	(16030605)		
400102.79	3736491.95	21.62510	(16030605)	400122.79
3736491.95	20.76204	(16030605)		
400142.79	3736491.95	22.05563	(16030606)	400162.79
3736491.95	22.82150	(16030606)		
400182.79	3736491.95	22.90109	(16062019)	398682.79
3736511.95	4.66622	(15051305)		
398702.79	3736511.95	4.82371	(15051305)	398722.79
3736511.95	4.87923	(15051305)		
398742.79	3736511.95	4.93228	(15051305)	398762.79
3736511.95	4.98463	(15051305)		
398782.79	3736511.95	5.03517	(15051305)	398802.79
3736511.95	5.08462	(15051305)		
398822.79	3736511.95	5.13217	(15051305)	398842.79
3736511.95	5.17652	(13112217)		
398862.79	3736511.95	5.16021	(13112217)	398882.79
3736511.95	5.37240	(13112217)		
398902.79	3736511.95	5.48613	(13112217)	398922.79
3736511.95	5.59223	(13112217)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
3736511.95	398942.79	3736511.95	5.69933	(13112217)	398962.79
3736511.95	398982.79	5.80271 (13112217)	5.90111	(13112217)	399002.79
3736511.95	399022.79	6.01387 (13112217)	6.12968	(13112217)	399042.79
3736511.95	399062.79	6.24383 (13112217)	6.32835	(13112217)	399082.79
3736511.95	399102.79	6.42726 (13112217)	6.55119	(16120224)	399122.79
3736511.95	399142.79	6.70653 (16120224)	6.83563	(16120224)	399162.79
3736511.95	399182.79	7.00701 (16120224)	7.18506	(16120224)	399202.79
3736511.95	399222.79	7.32702 (16120224)	7.44879	(16120224)	399242.79
3736511.95	399262.79	7.62527 (16120224)	7.75970	(16120224)	399282.79
3736511.95	399302.79	7.89639 (16120224)	7.99230	(16120224)	399322.79
3736511.95	399342.79	8.09577 (16120224)	8.17795	(16120224)	399362.79
3736511.95	399382.79	8.22033 (16120224)	8.42045	(15091502)	399402.79
3736511.95	399422.79	8.75162 (15091502)	9.08521	(15091502)	399442.79
3736511.95	399462.79	9.37942 (15091502)	9.68650	(15091502)	399482.79
3736511.95	399502.79	9.91641 (15091502)	10.12808	(15091502)	399522.79
3736511.95	399542.79	10.16698 (15091502)	10.58395	(12020719)	399562.79
3736511.95	399582.79	10.96308 (12020719)	11.23528	(12020719)	399602.79
3736511.95	399622.79	11.40903 (12020719)	11.76624	(12101804)	399642.79
3736511.95	399662.79	12.20446 (12101804)	12.57920	(12101804)	399682.79
3736511.95	399702.79	12.85115 (12101804)	13.16603	(15100321)	399722.79
3736511.95	399742.79	13.49616 (15100321)	13.74271	(15100321)	399762.79
3736511.95	399782.79	13.83028 (15100321)	13.78337	(13050424)	399802.79
3736511.95	399822.79	13.95806 (12020718)	14.79605	(12020718)	399842.79
3736511.95		15.60622 (12020718)			

399862.79	3736511.95	16.25910	(12020718)	399882.79
3736511.95	16.61815	(12020718)		
399902.79	3736511.95	16.87113	(16122319)	399922.79
3736511.95	17.38196	(16122319)		
399942.79	3736511.95	17.62207	(16122319)	399962.79
3736511.95	18.07693	(16062022)		
399982.79	3736511.95	18.90545	(16062022)	400002.79
3736511.95	19.24395	(16062022)		
400022.79	3736511.95	19.18073	(16122322)	400042.79
3736511.95	19.80819	(16122322)		
400062.79	3736511.95	20.30283	(16030605)	400082.79
3736511.95	20.66117	(16030605)		
400102.79	3736511.95	20.33033	(16030605)	400122.79
3736511.95	19.80603	(16030606)		
400142.79	3736511.95	21.01258	(16030606)	400162.79
3736511.95	21.58761	(16030606)		
400182.79	3736511.95	21.59576	(16062019)	398682.79
3736531.95	4.62175	(15051305)		
398702.79	3736531.95	4.77241	(15051305)	398722.79
3736531.95	4.83239	(15051305)		
398742.79	3736531.95	4.87500	(15051305)	398762.79
3736531.95	4.91361	(15051305)		
398782.79	3736531.95	4.95347	(15051305)	398802.79
3736531.95	5.02610	(16112024)		
398822.79	3736531.95	5.10929	(13112217)	398842.79
3736531.95	5.17927	(13112217)		
398862.79	3736531.95	5.15103	(13112217)	398882.79
3736531.95	5.37018	(13112217)		
398902.79	3736531.95	5.46018	(13112217)	398922.79
3736531.95	5.55251	(13112217)		
398942.79	3736531.95	5.64822	(13112217)	398962.79
3736531.95	5.74140	(13112217)		
398982.79	3736531.95	5.82682	(13112217)	399002.79
3736531.95	5.93143	(13112217)		

▲ *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)
399022.79	3736531.95	6.03393	(13112217)	399042.79
3736531.95	6.14746 (16120224)			
399062.79	3736531.95	6.27452	(16120224)	399082.79
3736531.95	6.42614 (16120224)			
399102.79	3736531.95	6.59357	(16120224)	399122.79
3736531.95	6.72015 (16120224)			
399142.79	3736531.95	6.84919	(16120224)	399162.79
3736531.95	7.02484 (16120224)			
399182.79	3736531.95	7.15617	(16120224)	399202.79
3736531.95	7.29539 (16120224)			
399222.79	3736531.95	7.41009	(16120224)	399242.79
3736531.95	7.54103 (16120224)			
399262.79	3736531.95	7.64376	(16120224)	399282.79
3736531.95	7.74734 (16120224)			
399302.79	3736531.95	7.80885	(16120224)	399322.79
3736531.95	7.88029 (16120224)			
399342.79	3736531.95	7.97774	(15091502)	399362.79
3736531.95	8.27563 (15091502)			
399382.79	3736531.95	8.52735	(15091502)	399402.79
3736531.95	8.85969 (15091502)			
399422.79	3736531.95	9.12483	(15091502)	399442.79
3736531.95	9.39164 (15091502)			
399462.79	3736531.95	9.61281	(15091502)	399482.79
3736531.95	9.85944 (15091502)			
399502.79	3736531.95	10.06813	(15091502)	399522.79
3736531.95	10.27581 (12020719)			
399542.79	3736531.95	10.37931	(12020719)	399562.79
3736531.95	10.58882 (12020719)			
399582.79	3736531.95	10.89517	(12020719)	399602.79
3736531.95	11.26919 (12101804)			
399622.79	3736531.95	11.66885	(12101804)	399642.79
3736531.95	11.98837 (12101804)			
399662.79	3736531.95	12.23397	(12101804)	399682.79
3736531.95	12.57768 (15100321)			
399702.79	3736531.95	12.89532	(15100321)	399722.79
3736531.95	13.09457 (15100321)			
399742.79	3736531.95	13.21514	(15100321)	399762.79
3736531.95	13.23105 (13050424)			
399782.79	3736531.95	13.21130	(12020718)	399802.79
3736531.95	13.97339 (12020718)			
399822.79	3736531.95	14.63598	(12020718)	399842.79
3736531.95	15.27440 (12020718)			
399862.79	3736531.95	15.73673	(12020718)	399882.79
3736531.95	15.90407 (16091818)			

399902.79	3736531.95	16.31096	(16122319)	399922.79
3736531.95	16.59732	(16122319)		
399942.79	3736531.95	16.71717	(16062022)	399962.79
3736531.95	17.56356	(16062022)		
399982.79	3736531.95	18.07111	(16062022)	400002.79
3736531.95	18.23956	(16062022)		
400022.79	3736531.95	18.47907	(16122322)	400042.79
3736531.95	18.91976	(16122322)		
400062.79	3736531.95	19.43597	(16030605)	400082.79
3736531.95	19.57029	(16030605)		
400102.79	3736531.95	19.10856	(16030605)	400122.79
3736531.95	19.02436	(16030606)		
400142.79	3736531.95	20.02048	(16030606)	400162.79
3736531.95	20.45427	(16030606)		
400182.79	3736531.95	20.39646	(16062019)	398682.79
3736551.95	4.56073	(15051305)		
398702.79	3736551.95	4.70323	(15051305)	398722.79
3736551.95	4.75523	(16112024)		
398742.79	3736551.95	4.82207	(16112024)	398762.79
3736551.95	4.89173	(16112024)		
398782.79	3736551.95	4.96242	(16112024)	398802.79
3736551.95	5.03210	(16112024)		
398822.79	3736551.95	5.10045	(16112024)	398842.79
3736551.95	5.15890	(13112217)		
398862.79	3736551.95	5.12644	(13112217)	398882.79
3736551.95	5.33910	(13112217)		
398902.79	3736551.95	5.41910	(13112217)	398922.79
3736551.95	5.49928	(13112217)		
398942.79	3736551.95	5.58284	(13112217)	398962.79
3736551.95	5.66161	(13112217)		
398982.79	3736551.95	5.75763	(16120224)	399002.79
3736551.95	5.92644	(16120224)		
399022.79	3736551.95	6.06442	(16120224)	399042.79
3736551.95	6.18111	(16120224)		
399062.79	3736551.95	6.30702	(16120224)	399082.79
3736551.95	6.43546	(16120224)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399102.79	3736551.95	6.56721	(16120224)	399122.79
3736551.95	6.68769	(16120224)		
399142.79	3736551.95	6.85132	(16120224)	399162.79
3736551.95	6.97413	(16120224)		
399182.79	3736551.95	7.09216	(16120224)	399202.79
3736551.95	7.19408	(16120224)		
399222.79	3736551.95	7.30540	(16120224)	399242.79
3736551.95	7.39469	(16120224)		
399262.79	3736551.95	7.47286	(16120224)	399282.79
3736551.95	7.51969	(16120224)		
399302.79	3736551.95	7.58601	(16120224)	399322.79
3736551.95	7.83734	(15091502)		
399342.79	3736551.95	8.09982	(15091502)	399362.79
3736551.95	8.35431	(15091502)		
399382.79	3736551.95	8.58043	(15091502)	399402.79
3736551.95	8.84729	(15091502)		
399422.79	3736551.95	9.11729	(15091502)	399442.79
3736551.95	9.31383	(15091502)		
399462.79	3736551.95	9.50759	(15091502)	399482.79
3736551.95	9.71381	(15091502)		
399502.79	3736551.95	9.91020	(12020719)	399522.79
3736551.95	10.14980	(12020719)		
399542.79	3736551.95	10.32521	(12020719)	399562.79
3736551.95	10.40191	(12020719)		
399582.79	3736551.95	10.61253	(12101804)	399602.79
3736551.95	11.05778	(12101804)		
399622.79	3736551.95	11.43278	(12101804)	399642.79
3736551.95	11.69923	(15100321)		
399662.79	3736551.95	12.03734	(15100321)	399682.79
3736551.95	12.31186	(15100321)		
399702.79	3736551.95	12.48297	(15100321)	399722.79
3736551.95	12.56129	(15100321)		
399742.79	3736551.95	12.65349	(13050424)	399762.79
3736551.95	12.61920	(13050424)		
399782.79	3736551.95	13.21303	(12020718)	399802.79
3736551.95	13.83219	(12020718)		
399822.79	3736551.95	14.40135	(12020718)	399842.79
3736551.95	14.85165	(12020718)		
399862.79	3736551.95	15.12907	(16091818)	399882.79
3736551.95	15.30882	(16122319)		
399902.79	3736551.95	15.68219	(16122319)	399922.79
3736551.95	15.78244	(16122319)		

399942.79	3736551.95	16.37802	(16062022)	399962.79
3736551.95	16.96997	(16062022)		
399982.79	3736551.95	17.28308	(16062022)	400002.79
3736551.95	17.49954	(16062021)		
400022.79	3736551.95	17.81375	(16122322)	400042.79
3736551.95	18.20264	(16030605)		
400062.79	3736551.95	18.60177	(16030605)	400082.79
3736551.95	18.52060	(16030605)		
400102.79	3736551.95	17.96229	(16030605)	400122.79
3736551.95	18.26111	(16030606)		
400142.79	3736551.95	19.08102	(16030606)	400162.79
3736551.95	19.39416	(16030606)		
400182.79	3736551.95	19.29348	(16062019)	398682.79
3736571.95	4.52402	(16112024)		
398702.79	3736571.95	4.69391	(16112024)	398722.79
3736571.95	4.76625	(16112024)		
398742.79	3736571.95	4.82667	(16112024)	398762.79
3736571.95	4.89105	(16112024)		
398782.79	3736571.95	4.95449	(16112024)	398802.79
3736571.95	5.01643	(16112024)		
398822.79	3736571.95	5.07661	(16112024)	398842.79
3736571.95	5.11739	(13112217)		
398862.79	3736571.95	5.08518	(13112217)	398882.79
3736571.95	5.28378	(13112217)		
398902.79	3736571.95	5.35962	(15012617)	398922.79
3736571.95	5.44036	(15012617)		
398942.79	3736571.95	5.56677	(16120224)	398962.79
3736571.95	5.68031	(16120224)		
398982.79	3736571.95	5.81811	(16120224)	399002.79
3736571.95	5.96527	(16120224)		
399022.79	3736571.95	6.07974	(16120224)	399042.79
3736571.95	6.19470	(16120224)		
399062.79	3736571.95	6.31148	(16120224)	399082.79
3736571.95	6.42497	(16120224)		
399102.79	3736571.95	6.53354	(16120224)	399122.79
3736571.95	6.64433	(16120224)		
399142.79	3736571.95	6.76174	(16120224)	399162.79
3736571.95	6.88399	(16120224)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF PM ₁₀ IN MICROGRAMS/M**3		
**				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399182.79	3736571.95	6.97786	(16120224)	399202.79
3736571.95	7.06129 (16120224)			
399222.79	3736571.95	7.14730	(16120224)	399242.79
3736571.95	7.20593 (16120224)			
399262.79	3736571.95	7.24636	(16120224)	399282.79
3736571.95	7.40358 (15091502)			
399302.79	3736571.95	7.66745	(15091502)	399322.79
3736571.95	7.91570 (15091502)			
399342.79	3736571.95	8.15169	(15091502)	399362.79
3736571.95	8.35330 (15091502)			
399382.79	3736571.95	8.58079	(15091502)	399402.79
3736571.95	8.79349 (15091502)			
399422.79	3736571.95	8.98518	(15091502)	399442.79
3736571.95	9.15717 (15091502)			
399462.79	3736571.95	9.34733	(15091502)	399482.79
3736571.95	9.53856 (12020719)			
399502.79	3736571.95	9.74610	(12020719)	399522.79
3736571.95	9.90673 (12020719)			
399542.79	3736571.95	10.06641	(12101804)	399562.79
3736571.95	10.37128 (12101804)			
399582.79	3736571.95	10.62698	(12101804)	399602.79
3736571.95	10.72498 (12101804)			
399622.79	3736571.95	11.00175	(15100321)	399642.79
3736571.95	11.45115 (15100321)			
399662.79	3736571.95	11.76964	(15100321)	399682.79
3736571.95	11.96446 (15100321)			
399702.79	3736571.95	12.01074	(13050424)	399722.79
3736571.95	12.10978 (13050424)			
399742.79	3736571.95	12.07732	(13050424)	399762.79
3736571.95	12.49998 (12020718)			
399782.79	3736571.95	13.11336	(12020718)	399802.79
3736571.95	13.62621 (12020718)			
399822.79	3736571.95	14.07351	(12020718)	399842.79
3736571.95	14.36293 (16091818)			
399862.79	3736571.95	14.55194	(16091818)	399882.79
3736571.95	14.77689 (16122319)			
399902.79	3736571.95	14.97455	(16122319)	399922.79
3736571.95	15.30379 (16062022)			
399942.79	3736571.95	15.94601	(16062022)	399962.79
3736571.95	16.34120 (16062022)			

399982.79	3736571.95	16.57654	(16062021)	400002.79
3736571.95	16.86496	(16062021)		
400022.79	3736571.95	17.14091	(16122322)	400042.79
3736571.95	17.51677	(16030605)		
400062.79	3736571.95	17.72343	(16030605)	400082.79
3736571.95	17.51875	(16030605)		
400102.79	3736571.95	17.10478	(15030118)	400122.79
3736571.95	17.52201	(16030606)		
400142.79	3736571.95	18.19429	(16030606)	400162.79
3736571.95	18.40965	(16030606)		
400182.79	3736571.95	18.27762	(16062019)	398682.79
3736591.95	4.53237	(16112024)		
398702.79	3736591.95	4.69399	(16112024)	398722.79
3736591.95	4.75410	(16112024)		
398742.79	3736591.95	4.81304	(16112024)	398762.79
3736591.95	4.87046	(16112024)		
398782.79	3736591.95	4.92614	(16112024)	398802.79
3736591.95	4.97987	(16112024)		
398822.79	3736591.95	5.06290	(15012617)	398842.79
3736591.95	5.08030	(15012617)		
398862.79	3736591.95	5.04196	(15012617)	398882.79
3736591.95	5.29572	(15012617)		
398902.79	3736591.95	5.38380	(16120224)	398922.79
3736591.95	5.49788	(16120224)		
398942.79	3736591.95	5.62083	(16120224)	398962.79
3736591.95	5.71510	(16120224)		
398982.79	3736591.95	5.85377	(16120224)	399002.79
3736591.95	5.96907	(16120224)		
399022.79	3736591.95	6.09173	(16120224)	399042.79
3736591.95	6.18285	(16120224)		
399062.79	3736591.95	6.27936	(16120224)	399082.79
3736591.95	6.38004	(16120224)		
399102.79	3736591.95	6.47405	(16120224)	399122.79
3736591.95	6.56648	(16120224)		
399142.79	3736591.95	6.65234	(16120224)	399162.79
3736591.95	6.73525	(16120224)		
399182.79	3736591.95	6.82594	(16120224)	399202.79
3736591.95	6.89823	(16120224)		
399222.79	3736591.95	6.94922	(16120224)	399242.79
3736591.95	7.06590	(14051901)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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 *** 10:15:03

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399262.79	3736591.95	7.24742	(15091502)	399282.79
3736591.95	7.49579	(15091502)		
399302.79	3736591.95	7.73065	(15091502)	399322.79
3736591.95	7.95049	(15091502)		
399342.79	3736591.95	8.14405	(15091502)	399362.79
3736591.95	8.33117	(15091502)		
399382.79	3736591.95	8.52316	(15091502)	399402.79
3736591.95	8.69219	(15091502)		
399422.79	3736591.95	8.83544	(15091502)	399442.79
3736591.95	8.96487	(15091502)		
399462.79	3736591.95	9.16209	(12020719)	399482.79
3736591.95	9.35973	(12020719)		
399502.79	3736591.95	9.51074	(12020719)	399522.79
3736591.95	9.69443	(12101804)		
399542.79	3736591.95	9.97838	(12101804)	399562.79
3736591.95	10.23233	(12101804)		
399582.79	3736591.95	10.44606	(15100321)	399602.79
3736591.95	10.71539	(15100321)		
399622.79	3736591.95	10.90810	(15100321)	399642.79
3736591.95	10.98666	(15100321)		
399662.79	3736591.95	11.33706	(15100321)	399682.79
3736591.95	11.56468	(13050424)		
399702.79	3736591.95	11.65142	(13050424)	399722.79
3736591.95	11.61469	(13050424)		
399742.79	3736591.95	11.84822	(12020718)	399762.79
3736591.95	12.43876	(12020718)		
399782.79	3736591.95	12.97078	(12020718)	399802.79
3736591.95	13.40246	(12020718)		
399822.79	3736591.95	13.69940	(16091818)	399842.79
3736591.95	13.92035	(16091818)		
399862.79	3736591.95	13.94773	(16091818)	399882.79
3736591.95	14.18885	(16122319)		
399902.79	3736591.95	14.34448	(14121120)	399922.79
3736591.95	15.01005	(16062022)		
399942.79	3736591.95	15.46644	(16062022)	399962.79
3736591.95	15.72270	(16062022)		
399982.79	3736591.95	16.07383	(16062021)	400002.79
3736591.95	16.16374	(16062021)		

400022.79	3736591.95	16.47270	(15060921)	400042.79
3736591.95	16.79907 (16030605)			
400062.79	3736591.95	16.86976	(16030605)	400082.79
3736591.95	16.56811 (16030605)			
400102.79	3736591.95	16.45690	(15030118)	400122.79
3736591.95	16.81049 (16030606)			
400142.79	3736591.95	17.35639	(16030606)	400162.79
3736591.95	17.49455 (16030606)			
400182.79	3736591.95	17.34006	(16062019)	398682.79
3736611.95	4.62152 (16112024)			
398702.79	3736611.95	4.67820	(16112024)	398722.79
3736611.95	4.72943 (16112024)			
398742.79	3736611.95	4.78100	(16112024)	398762.79
3736611.95	4.83067 (16112024)			
398782.79	3736611.95	4.91108	(15012617)	398802.79
3736611.95	4.99323 (15012617)			
398822.79	3736611.95	5.07016	(15012617)	398842.79
3736611.95	5.03983 (15012617)			
398862.79	3736611.95	5.13288	(16120224)	398882.79
3736611.95	5.32863 (16120224)			
398902.79	3736611.95	5.43457	(16120224)	398922.79
3736611.95	5.55085 (16120224)			
398942.79	3736611.95	5.65533	(16120224)	398962.79
3736611.95	5.72726 (16120224)			
398982.79	3736611.95	5.85414	(16120224)	399002.79
3736611.95	5.95133 (16120224)			
399022.79	3736611.95	6.05802	(16120224)	399042.79
3736611.95	6.15772 (16120224)			
399062.79	3736611.95	6.23097	(16120224)	399082.79
3736611.95	6.29855 (16120224)			
399102.79	3736611.95	6.38130	(16120224)	399122.79
3736611.95	6.45574 (16120224)			
399142.79	3736611.95	6.52255	(16120224)	399162.79
3736611.95	6.58256 (16120224)			
399182.79	3736611.95	6.64768	(16120224)	399202.79
3736611.95	6.79201 (14051901)			
399222.79	3736611.95	6.91276	(14051901)	399242.79
3736611.95	7.09665 (15091502)			
399262.79	3736611.95	7.31749	(15091502)	399282.79
3736611.95	7.54687 (15091502)			
399302.79	3736611.95	7.75176	(15091502)	399322.79
3736611.95	7.94767 (15091502)			

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▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**					
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
399342.79	3736611.95	8.11427	(15091502)	399362.79	
3736611.95	8.25748	(15091502)			
399382.79	3736611.95	8.40841	(15091502)	399402.79	
3736611.95	8.53709	(15091502)			
399422.79	3736611.95	8.64380	(15091502)	399442.79	
3736611.95	8.81601	(12020719)			
399462.79	3736611.95	8.96276	(12020719)	399482.79	
3736611.95	9.10518	(13122617)			
399502.79	3736611.95	9.35571	(13122617)	399522.79	
3736611.95	9.59844	(12101804)			
399542.79	3736611.95	9.80265	(12101804)	399562.79	
3736611.95	10.05759	(15100321)			
399582.79	3736611.95	10.33288	(15100321)	399602.79	
3736611.95	10.57133	(15100321)			
399622.79	3736611.95	10.77032	(15100321)	399642.79	
3736611.95	10.87496	(15100321)			
399662.79	3736611.95	10.83105	(13050424)	399682.79	
3736611.95	11.00288	(13050424)			
399702.79	3736611.95	11.16110	(13050424)	399722.79	
3736611.95	11.29413	(14121617)			
399742.79	3736611.95	11.81162	(12020718)	399762.79	
3736611.95	12.29471	(12020718)			
399782.79	3736611.95	12.72196	(12020718)	399802.79	
3736611.95	13.07129	(16091818)			
399822.79	3736611.95	13.28981	(16091818)	399842.79	
3736611.95	13.37515	(16091818)			
399862.79	3736611.95	13.43506	(16122319)	399882.79	
3736611.95	13.61364	(14121120)			
399902.79	3736611.95	14.04533	(14121120)	399922.79	
3736611.95	14.59031	(16062022)			
399942.79	3736611.95	14.92429	(16062022)	399962.79	
3736611.95	15.18069	(16062021)			
399982.79	3736611.95	15.47261	(16062021)	400002.79	
3736611.95	15.66504	(15060921)			
400022.79	3736611.95	15.88594	(15060921)	400042.79	
3736611.95	16.08730	(16030605)			

400062.79	3736611.95	16.04648	(16030605)	400082.79
3736611.95	15.92884 (15030118)			
400102.79	3736611.95	15.82169	(15030118)	400122.79
3736611.95	16.12863 (16030606)			
400142.79	3736611.95	16.57257	(16030606)	400162.79
3736611.95	16.64328 (16030606)			
400182.79	3736611.95	16.54907	(16062019)	398682.79
3736631.95	4.60051 (16112024)			
398702.79	3736631.95	4.64187	(16112024)	398722.79
3736631.95	4.68705 (16112024)			
398742.79	3736631.95	4.76532	(15012617)	398762.79
3736631.95	4.84270 (15012617)			
398782.79	3736631.95	4.92142	(15012617)	398802.79
3736631.95	4.99794 (15012617)			
398822.79	3736631.95	5.05064	(15012617)	398842.79
3736631.95	5.00298 (16120224)			
398862.79	3736631.95	5.23701	(16120224)	398882.79
3736631.95	5.36172 (16120224)			
398902.79	3736631.95	5.45878	(16120224)	398922.79
3736631.95	5.56292 (16120224)			
398942.79	3736631.95	5.64456	(16120224)	398962.79
3736631.95	5.71797 (16120224)			
398982.79	3736631.95	5.82365	(16120224)	399002.79
3736631.95	5.90683 (16120224)			
399022.79	3736631.95	5.99552	(16120224)	399042.79
3736631.95	6.07611 (16120224)			
399062.79	3736631.95	6.15058	(16120224)	399082.79
3736631.95	6.22275 (16120224)			
399102.79	3736631.95	6.26350	(16120224)	399122.79
3736631.95	6.31579 (16120224)			
399142.79	3736631.95	6.37850	(14051901)	399162.79
3736631.95	6.52975 (14051901)			
399182.79	3736631.95	6.65657	(14051901)	399202.79
3736631.95	6.77240 (14051901)			
399222.79	3736631.95	6.95302	(15091502)	399242.79
3736631.95	7.14551 (15091502)			
399262.79	3736631.95	7.34954	(15091502)	399282.79
3736631.95	7.54898 (15091502)			
399302.79	3736631.95	7.71840	(15091502)	399322.79
3736631.95	7.87664 (15091502)			
399342.79	3736631.95	8.02767	(15091502)	399362.79
3736631.95	8.13315 (15091502)			
399382.79	3736631.95	8.23745	(15091502)	399402.79
3736631.95	8.33277 (12020719)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399422.79	3736631.95	8.49425	(12020719)	399442.79
3736631.95	8.63728	(13122617)		
399462.79	3736631.95	8.83656	(13122617)	399482.79
3736631.95	9.01508	(13122617)		
399502.79	3736631.95	9.22749	(13122617)	399522.79
3736631.95	9.42559	(12101804)		
399542.79	3736631.95	9.69220	(15100321)	399562.79
3736631.95	9.96854	(15100321)		
399582.79	3736631.95	10.15476	(15100321)	399602.79
3736631.95	10.34223	(15100321)		
399622.79	3736631.95	10.48915	(15100321)	399642.79
3736631.95	10.63534	(13050424)		
399662.79	3736631.95	10.71381	(13050424)	399682.79
3736631.95	10.65861	(13050424)		
399702.79	3736631.95	10.67089	(14121617)	399722.79
3736631.95	11.24944	(12101803)		
399742.79	3736631.95	11.70746	(12101803)	399762.79
3736631.95	12.16331	(12101803)		
399782.79	3736631.95	12.45673	(16091818)	399802.79
3736631.95	12.70969	(16091818)		
399822.79	3736631.95	12.80888	(16091818)	399842.79
3736631.95	12.77278	(16091818)		
399862.79	3736631.95	12.88877	(16122319)	399882.79
3736631.95	13.38647	(14121120)		
399902.79	3736631.95	13.75098	(16062022)	399922.79
3736631.95	14.13439	(16062022)		
399942.79	3736631.95	14.37212	(16062021)	399962.79
3736631.95	14.67994	(16062021)		
399982.79	3736631.95	14.82758	(16062021)	400002.79
3736631.95	15.17325	(15060921)		
400022.79	3736631.95	15.28558	(15060921)	400042.79
3736631.95	15.38896	(16030605)		
400062.79	3736631.95	15.25085	(16030605)	400082.79
3736631.95	15.33681	(15030118)		

400102.79	3736631.95	15.20328	(15030118)	400122.79
3736631.95	15.47635 (16030606)			
400142.79	3736631.95	15.87972	(16030606)	400162.79
3736631.95	15.86456 (16030606)			
400182.79	3736631.95	15.70684	(16062019)	398682.79
3736651.95	4.55123 (15012617)			
398702.79	3736651.95	4.63165	(15012617)	398722.79
3736651.95	4.69879 (15012617)			
398742.79	3736651.95	4.77148	(15012617)	398762.79
3736651.95	4.84302 (15012617)			
398782.79	3736651.95	4.91322	(15012617)	398802.79
3736651.95	4.99102 (16120224)			
398822.79	3736651.95	5.05507	(16120224)	398842.79
3736651.95	4.98298 (16120224)			
398862.79	3736651.95	5.26333	(16120224)	398882.79
3736651.95	5.36635 (16120224)			
398902.79	3736651.95	5.45354	(16120224)	398922.79
3736651.95	5.53702 (16120224)			
398942.79	3736651.95	5.59968	(16120224)	398962.79
3736651.95	5.68795 (16120224)			
398982.79	3736651.95	5.76763	(16120224)	399002.79
3736651.95	5.84642 (16120224)			
399022.79	3736651.95	5.91019	(16120224)	399042.79
3736651.95	5.97802 (16120224)			
399062.79	3736651.95	6.03979	(16120224)	399082.79
3736651.95	6.09401 (16120224)			
399102.79	3736651.95	6.16159	(14051901)	399122.79
3736651.95	6.27621 (14051901)			
399142.79	3736651.95	6.40325	(14051901)	399162.79
3736651.95	6.51583 (14051901)			
399182.79	3736651.95	6.62952	(15091502)	399202.79
3736651.95	6.81083 (15091502)			
399222.79	3736651.95	6.97512	(15091502)	399242.79
3736651.95	7.17743 (15091502)			
399262.79	3736651.95	7.35688	(15091502)	399282.79
3736651.95	7.51871 (15091502)			
399302.79	3736651.95	7.65712	(15091502)	399322.79
3736651.95	7.78483 (15091502)			
399342.79	3736651.95	7.90797	(15091502)	399362.79
3736651.95	7.98818 (15091502)			
399382.79	3736651.95	8.04893	(12020719)	399402.79
3736651.95	8.18394 (13122617)			
399422.79	3736651.95	8.39259	(13122617)	399442.79
3736651.95	8.57475 (13122617)			
399462.79	3736651.95	8.73571	(13122617)	399482.79
3736651.95	8.91907 (13122617)			

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399502.79	3736651.95	9.05958	(15100321)	399522.79
3736651.95	9.34344	(15100321)		
399542.79	3736651.95	9.61546	(15100321)	399562.79
3736651.95	9.79463	(15100321)		
399582.79	3736651.95	9.94530	(15100321)	399602.79
3736651.95	10.08350	(13050424)		
399622.79	3736651.95	10.24468	(13050424)	399642.79
3736651.95	10.32635	(13050424)		
399662.79	3736651.95	10.38278	(14121617)	399682.79
3736651.95	10.54783	(14121617)		
399702.79	3736651.95	10.77334	(12101803)	399722.79
3736651.95	11.06645	(12101803)		
399742.79	3736651.95	11.44723	(12101803)	399762.79
3736651.95	11.89729	(12101803)		
399782.79	3736651.95	12.13802	(16091818)	399802.79
3736651.95	12.28554	(16091818)		
399822.79	3736651.95	12.29436	(16091818)	399842.79
3736651.95	12.25171	(16122319)		
399862.79	3736651.95	12.67020	(14121120)	399882.79
3736651.95	13.05056	(14121120)		
399902.79	3736651.95	13.34511	(16062022)	399922.79
3736651.95	13.65437	(16062022)		
399942.79	3736651.95	13.96842	(16062021)	399962.79
3736651.95	14.18504	(16062021)		
399982.79	3736651.95	14.34793	(15060921)	400002.79
3736651.95	14.66933	(15060921)		
400022.79	3736651.95	14.68978	(15060921)	400042.79
3736651.95	14.70932	(16030605)		
400062.79	3736651.95	14.77028	(15030118)	400082.79
3736651.95	14.78710	(15030118)		
400102.79	3736651.95	14.60459	(15030118)	400122.79
3736651.95	14.85631	(16030606)		

400142.79	3736651.95	15.13874	(16030606)	400162.79
3736651.95	15.18400 (16030606)			
400182.79	3736651.95	14.95699	(16062019)	398682.79
3736671.95	4.56003 (15012617)			
398702.79	3736671.95	4.62804	(15012617)	398722.79
3736671.95	4.69498 (15012617)			
398742.79	3736671.95	4.76063	(15012617)	398762.79
3736671.95	4.82036 (16120224)			
398782.79	3736671.95	4.91670	(16120224)	398802.79
3736671.95	5.00420 (16120224)			
398822.79	3736671.95	5.03169	(16120224)	398842.79
3736671.95	5.04852 (16120224)			
398862.79	3736671.95	5.23229	(16120224)	398882.79
3736671.95	5.33733 (16120224)			
398902.79	3736671.95	5.41925	(16120224)	398922.79
3736671.95	5.49022 (16120224)			
398942.79	3736671.95	5.53984	(16120224)	398962.79
3736671.95	5.63002 (16120224)			
398982.79	3736671.95	5.68950	(16120224)	399002.79
3736671.95	5.75928 (16120224)			
399022.79	3736671.95	5.80179	(16120224)	399042.79
3736671.95	5.86288 (14041701)			
399062.79	3736671.95	5.94029	(14041701)	399082.79
3736671.95	6.05841 (14051901)			
399102.79	3736671.95	6.16737	(14051901)	399122.79
3736671.95	6.27949 (14051901)			
399142.79	3736671.95	6.38196	(14051901)	399162.79
3736671.95	6.48796 (15091502)			
399182.79	3736671.95	6.65979	(15091502)	399202.79
3736671.95	6.81758 (15091502)			
399222.79	3736671.95	7.00018	(15091502)	399242.79
3736671.95	7.14902 (15091502)			
399262.79	3736671.95	7.29535	(15091502)	399282.79
3736671.95	7.42513 (15091502)			
399302.79	3736671.95	7.55112	(15091502)	399322.79
3736671.95	7.65549 (15091502)			
399342.79	3736671.95	7.73061	(15091502)	399362.79
3736671.95	7.80462 (13122617)			
399382.79	3736671.95	7.99877	(13122617)	399402.79
3736671.95	8.17482 (13122617)			
399422.79	3736671.95	8.32282	(13122617)	399442.79
3736671.95	8.46130 (13122617)			
399462.79	3736671.95	8.61591	(13122617)	399482.79
3736671.95	8.74958 (15100321)			
399502.79	3736671.95	9.01850	(15100321)	399522.79
3736671.95	9.24340 (15100321)			
399542.79	3736671.95	9.44395	(15100321)	399562.79
3736671.95	9.57762 (15100321)			

*** AERMET - VERSION 16216 ***
 *** 10:15:03

PAGE 180

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399582.79	3736671.95	9.74137	(13050424)	399602.79
3736671.95	9.96238	(13050424)		
399622.79	3736671.95	10.00371	(13050424)	399642.79
3736671.95	10.04645	(14121617)		
399662.79	3736671.95	10.20569	(14121617)	399682.79
3736671.95	10.36146	(12101803)		
399702.79	3736671.95	10.74127	(12101803)	399722.79
3736671.95	11.09542	(12101803)		
399742.79	3736671.95	11.23724	(12101803)	399762.79
3736671.95	11.33855	(16091818)		
399782.79	3736671.95	11.66321	(16091818)	399802.79
3736671.95	11.78316	(16091818)		
399822.79	3736671.95	11.75091	(16091818)	399842.79
3736671.95	12.05062	(14121120)		
399862.79	3736671.95	12.44467	(14121120)	399882.79
3736671.95	12.66010	(14121120)		
399902.79	3736671.95	12.94333	(16062022)	399922.79
3736671.95	13.28373	(16062021)		
399942.79	3736671.95	13.57784	(16062021)	399962.79
3736671.95	13.69273	(16062021)		
399982.79	3736671.95	13.96981	(15060921)	400002.79
3736671.95	14.16348	(15060921)		
400022.79	3736671.95	14.09617	(15060921)	400042.79
3736671.95	14.06562	(15030118)		
400062.79	3736671.95	14.31666	(15030118)	400082.79
3736671.95	14.27039	(15030118)		
400102.79	3736671.95	13.94380	(15030118)	400122.79
3736671.95	14.22495	(16030606)		
400142.79	3736671.95	14.47136	(16030606)	400162.79
3736671.95	14.43590	(16062019)		

400182.79	3736671.95	14.24285	(16062019)	398682.79
3736691.95	4.55606 (15012617)			
398702.79	3736691.95	4.61489	(15012617)	398722.79
3736691.95	4.67491 (15012617)			
398742.79	3736691.95	4.75433	(16120224)	398762.79
3736691.95	4.83843 (16120224)			
398782.79	3736691.95	4.92153	(16120224)	398802.79
3736691.95	4.99584 (16120224)			
398822.79	3736691.95	4.95674	(16120224)	398842.79
3736691.95	5.10469 (16120224)			
398862.79	3736691.95	5.20825	(16120224)	398882.79
3736691.95	5.28607 (16120224)			
398902.79	3736691.95	5.36216	(16120224)	398922.79
3736691.95	5.42141 (16120224)			
398942.79	3736691.95	5.46555	(16120224)	398962.79
3736691.95	5.53693 (16120224)			
398982.79	3736691.95	5.61370	(14041701)	399002.79
3736691.95	5.68332 (14041701)			
399022.79	3736691.95	5.74157	(14041701)	399042.79
3736691.95	5.83956 (14051901)			
399062.79	3736691.95	5.94818	(14051901)	399082.79
3736691.95	6.04370 (14051901)			
399102.79	3736691.95	6.14336	(14051901)	399122.79
3736691.95	6.23884 (14051901)			
399142.79	3736691.95	6.34328	(15091502)	399162.79
3736691.95	6.50944 (15091502)			
399182.79	3736691.95	6.65738	(15091502)	399202.79
3736691.95	6.80486 (15091502)			
399222.79	3736691.95	6.96710	(15091502)	399242.79
3736691.95	7.09141 (15091502)			
399262.79	3736691.95	7.20880	(15091502)	399282.79
3736691.95	7.30956 (15091502)			
399302.79	3736691.95	7.40103	(15091502)	399322.79
3736691.95	7.46836 (15091502)			
399342.79	3736691.95	7.62487	(13122617)	399362.79
3736691.95	7.79941 (13122617)			
399382.79	3736691.95	7.96879	(13122617)	399402.79
3736691.95	8.12662 (13122617)			
399422.79	3736691.95	8.24055	(13122617)	399442.79
3736691.95	8.32428 (13122617)			
399462.79	3736691.95	8.47378	(15091503)	399482.79
3736691.95	8.69564 (15100321)			
399502.79	3736691.95	8.90748	(15100321)	399522.79
3736691.95	9.09383 (15100321)			
399542.79	3736691.95	9.25452	(15100321)	399562.79
3736691.95	9.44546 (13050424)			
399582.79	3736691.95	9.59480	(13050424)	399602.79
3736691.95	9.70578 (13050424)			
399622.79	3736691.95	9.74667	(14121617)	399642.79
3736691.95	9.87582 (14121617)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

PAGE 181

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399662.79	3736691.95	10.01119	(14121119)	399682.79
3736691.95	10.30371 (12101803)			
399702.79	3736691.95	10.63294	(12101803)	399722.79
3736691.95	10.92156 (12101803)			
399742.79	3736691.95	11.10825	(12101803)	399762.79
3736691.95	11.20910 (16091818)			
399782.79	3736691.95	11.11337	(16091818)	399802.79
3736691.95	11.16690 (16091818)			
399822.79	3736691.95	11.46145	(14121120)	399842.79
3736691.95	11.88068 (14121120)			
399862.79	3736691.95	12.14560	(14121120)	399882.79
3736691.95	12.27718 (14121120)			
399902.79	3736691.95	12.58023	(16062021)	399922.79
3736691.95	12.97978 (16062021)			
399942.79	3736691.95	13.19622	(16062021)	399962.79
3736691.95	13.31502 (15060921)			
399982.79	3736691.95	13.60430	(15060921)	400002.79
3736691.95	13.67317 (15060921)			
400022.79	3736691.95	13.51303	(15060921)	400042.79
3736691.95	13.69006 (15030118)			
400062.79	3736691.95	13.84728	(15030118)	400082.79
3736691.95	13.70021 (15030118)			
400102.79	3736691.95	13.34843	(15030118)	400122.79
3736691.95	13.70669 (16030606)			
400142.79	3736691.95	13.87254	(16030606)	400162.79
3736691.95	13.77488 (16062019)			
400182.79	3736691.95	13.60219	(16062019)	398682.79
3736711.95	4.53654 (15012617)			

3736711.95	398702.79	3736711.95	4.59975	(16120224)	398722.79
3736711.95	398742.79	4.67861 (16120224)	4.75647	(16120224)	398762.79
3736711.95	398782.79	4.83308 (16120224)	4.90593	(16120224)	398802.79
3736711.95	398822.79	4.96655 (16120224)	4.88645	(16120224)	398842.79
3736711.95	398862.79	5.09546 (16120224)	5.16051	(16120224)	398882.79
3736711.95	398902.79	5.22547 (16120224)	5.28038	(16120224)	398922.79
3736711.95	398942.79	5.34075 (14041701)	5.40709	(14041701)	398962.79
3736711.95	398982.79	5.47910 (14041701)	5.54252	(14041701)	399002.79
3736711.95	399022.79	5.63006 (14051901)	5.73934	(14051901)	399042.79
3736711.95	399062.79	5.83549 (14051901)	5.92683	(14051901)	399082.79
3736711.95	399102.79	6.00226 (14051901)	6.08751	(14051901)	399122.79
3736711.95	399142.79	6.19783 (15091502)	6.35003	(15091502)	399162.79
3736711.95	399182.79	6.49103 (15091502)	6.63290	(15091502)	399202.79
3736711.95	399222.79	6.76137 (15091502)	6.88259	(15091502)	399242.79
3736711.95	399262.79	6.98910 (15091502)	7.08363	(15091502)	399282.79
3736711.95	399302.79	7.15151 (15091502)	7.24440	(13122617)	399322.79
3736711.95	399342.79	7.42548 (13122617)	7.59156	(13122617)	399362.79
3736711.95	399382.79	7.75508 (13122617)	7.90124	(13122617)	399402.79
3736711.95	399422.79	8.00618 (13122617)	8.10435	(15091503)	399442.79
3736711.95	399462.79	8.22032 (15091503)	8.39603	(15100321)	399482.79
3736711.95	399502.79	8.59417 (15100321)	8.76882	(15100321)	399522.79
3736711.95	399542.79	8.90507 (15100321)	9.12669	(13050424)	399562.79
3736711.95	399582.79	9.27262 (13050424)	9.37334	(13050424)	399602.79
3736711.95	399622.79	9.47160 (14121617)	9.55499	(14121617)	399642.79
3736711.95	399662.79	9.70082 (14121119)	9.89145	(12101803)	399682.79
3736711.95		10.20063 (12101803)			

399702.79 3736711.95 10.30520 (12101803) 399722.79
 3736711.95 10.69182 (12101803)
 *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 ***
 *** 10:15:03

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399742.79	3736711.95	10.88109	(12101803)	399762.79
3736711.95	10.92849	(16091818)		
399782.79	3736711.95	10.85630	(16091818)	399802.79
3736711.95	10.70494	(14121120)		
399822.79	3736711.95	11.06993	(14121120)	399842.79
3736711.95	11.58444	(14121120)		
399862.79	3736711.95	11.83162	(14121120)	399882.79
3736711.95	11.94601	(16062022)		
399902.79	3736711.95	12.32923	(16062021)	399922.79
3736711.95	12.60421	(16062021)		
399942.79	3736711.95	12.72440	(16062021)	399962.79
3736711.95	12.96530	(15060921)		
399982.79	3736711.95	13.14943	(15060921)	400002.79
3736711.95	13.13681	(15060921)		
400022.79	3736711.95	12.98623	(15030118)	400042.79
3736711.95	13.28308	(15030118)		
400062.79	3736711.95	13.31414	(15030118)	400082.79
3736711.95	13.14730	(15030118)		
400102.79	3736711.95	12.92951	(15030118)	400122.79
3736711.95	13.22113	(16030606)		
400142.79	3736711.95	13.29515	(16030606)	400162.79
3736711.95	13.20666	(16062019)		
400182.79	3736711.95	13.03306	(16122324)	398682.79
3736731.95	4.53091	(16120224)		
398702.79	3736731.95	4.59997	(16120224)	398722.79
3736731.95	4.67188	(16120224)		

398742.79	3736731.95	4.74230	(16120224)	398762.79
3736731.95	4.81057 (16120224)			
398782.79	3736731.95	4.87725	(16120224)	398802.79
3736731.95	4.90919 (16120224)			
398822.79	3736731.95	4.85614	(16120224)	398842.79
3736731.95	5.04202 (14041701)			
398862.79	3736731.95	5.11355	(14041701)	398882.79
3736731.95	5.18568 (14041701)			
398902.79	3736731.95	5.24417	(14041701)	398922.79
3736731.95	5.29319 (14041701)			
398942.79	3736731.95	5.37661	(14041701)	398962.79
3736731.95	5.43182 (14051901)			
398982.79	3736731.95	5.52811	(14051901)	399002.79
3736731.95	5.62238 (14051901)			
399022.79	3736731.95	5.70948	(14051901)	399042.79
3736731.95	5.80282 (14051901)			
399062.79	3736731.95	5.88130	(14051901)	399082.79
3736731.95	5.95263 (13050521)			
399102.79	3736731.95	6.06850	(15091502)	399122.79
3736731.95	6.20147 (15091502)			
399142.79	3736731.95	6.33111	(15091502)	399162.79
3736731.95	6.43855 (15091502)			
399182.79	3736731.95	6.56711	(15091502)	399202.79
3736731.95	6.68555 (15091502)			
399222.79	3736731.95	6.77510	(15091502)	399242.79
3736731.95	6.85492 (15091502)			
399262.79	3736731.95	6.90914	(15091502)	399282.79
3736731.95	7.04643 (13122617)			
399302.79	3736731.95	7.22955	(13122617)	399322.79
3736731.95	7.40241 (13122617)			
399342.79	3736731.95	7.54854	(13122617)	399362.79
3736731.95	7.67455 (13122617)			
399382.79	3736731.95	7.77860	(13122617)	399402.79
3736731.95	7.88093 (15091503)			
399422.79	3736731.95	7.97804	(15091503)	399442.79
3736731.95	8.12537 (15100321)			
399462.79	3736731.95	8.29950	(15100321)	399482.79
3736731.95	8.45295 (15100321)			
399502.79	3736731.95	8.58466	(13050424)	399522.79
3736731.95	8.78439 (13050424)			
399542.79	3736731.95	8.94838	(13050424)	399562.79
3736731.95	9.04409 (13050424)			
399582.79	3736731.95	9.20031	(14121617)	399602.79
3736731.95	9.26538 (14121617)			
399622.79	3736731.95	9.37133	(14121119)	399642.79
3736731.95	9.51402 (12101803)			
399662.79	3736731.95	9.81076	(12101803)	399682.79
3736731.95	10.08248 (12101803)			
399702.79	3736731.95	10.20104	(12101803)	399722.79
3736731.95	10.44268 (12101803)			

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399742.79 3736731.95 10.55769 (16091818) 399762.79
3736731.95 10.52206 (16091818)
399782.79 3736731.95 10.42881 (16091818) 399802.79
3736731.95 10.74662 (14121120)
^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399822.79	3736731.95	11.06344	(14121120)	399842.79
3736731.95	11.17944	(14121120)		
399862.79	3736731.95	11.43674	(14121120)	399882.79
3736731.95	11.70107	(16062021)		
399902.79	3736731.95	12.07435	(16062021)	399922.79
3736731.95	12.23060	(16062021)		
399942.79	3736731.95	12.34072	(15060921)	399962.79
3736731.95	12.61863	(15060921)		
399982.79	3736731.95	12.71116	(15060921)	400002.79
3736731.95	12.62307	(15060921)		
400022.79	3736731.95	12.65737	(15030118)	400042.79
3736731.95	12.87742	(15030118)		
400062.79	3736731.95	12.82881	(15030118)	400082.79
3736731.95	12.70647	(15030118)		
400102.79	3736731.95	12.43396	(15030118)	400122.79
3736731.95	12.66949	(16030606)		
400142.79	3736731.95	12.75330	(16030606)	400162.79
3736731.95	12.66037	(16062019)		
400182.79	3736731.95	12.68745	(16122324)	398682.79
3736751.95	4.51913	(16120224)		
398702.79	3736751.95	4.58526	(16120224)	398722.79
3736751.95	4.64978	(16120224)		
398742.79	3736751.95	4.71240	(16120224)	398762.79
3736751.95	4.77286	(16120224)		

3736751.95	398782.79	3736751.95	4.83407	(14041701)	398802.79
	4.80875	(14041701)			
3736751.95	398822.79	3736751.95	4.86905	(14041701)	398842.79
	5.02025	(14041701)			
3736751.95	398862.79	3736751.95	5.08687	(14041701)	398882.79
	5.14154	(14041701)			
3736751.95	398902.79	3736751.95	5.19103	(14041701)	398922.79
	5.23821	(14051901)			
3736751.95	398942.79	3736751.95	5.35641	(14051901)	398962.79
	5.43982	(14051901)			
3736751.95	398982.79	3736751.95	5.51915	(14051901)	399002.79
	5.59901	(14051901)			
3736751.95	399022.79	3736751.95	5.66929	(14051901)	399042.79
	5.73599	(14051901)			
3736751.95	399062.79	3736751.95	5.82643	(13050521)	399082.79
	5.93033	(15091502)			
3736751.95	399102.79	3736751.95	6.05645	(15091502)	399122.79
	6.17076	(15091502)			
3736751.95	399142.79	3736751.95	6.27214	(15091502)	399162.79
	6.38038	(15091502)			
3736751.95	399182.79	3736751.95	6.47222	(15091502)	399202.79
	6.57182	(15091502)			
3736751.95	399222.79	3736751.95	6.64343	(15091502)	399242.79
	6.69619	(13122617)			
3736751.95	399262.79	3736751.95	6.86498	(13122617)	399282.79
	7.03034	(13122617)			
3736751.95	399302.79	3736751.95	7.18816	(13122617)	399322.79
	7.34047	(13122617)			
3736751.95	399342.79	3736751.95	7.46985	(13122617)	399362.79
	7.56623	(15091503)			
3736751.95	399382.79	3736751.95	7.66717	(15091503)	399402.79
	7.73746	(15091503)			
3736751.95	399422.79	3736751.95	7.85920	(15100321)	399442.79
	8.03742	(15100321)			
3736751.95	399462.79	3736751.95	8.16785	(14072506)	399482.79
	8.30477	(13050424)			
3736751.95	399502.79	3736751.95	8.46782	(13050424)	399522.79
	8.60450	(13050424)			
3736751.95	399542.79	3736751.95	8.72925	(13050424)	399562.79
	8.89750	(14121617)			
3736751.95	399582.79	3736751.95	9.04507	(14121617)	399602.79
	9.11495	(14121119)			
3736751.95	399622.79	3736751.95	9.21500	(14121119)	399642.79
	9.43611	(12101803)			
3736751.95	399662.79	3736751.95	9.70016	(12101803)	399682.79
	9.93528	(12101803)			
3736751.95	399702.79	3736751.95	10.05789	(12101803)	399722.79
	10.12256	(12101803)			
3736751.95	399742.79	3736751.95	10.15346	(16091818)	399762.79
	10.11155	(16091818)			

399782.79	3736751.95	10.30341	(14121120)	399802.79
3736751.95	10.74833	(14121120)		
399822.79	3736751.95	10.94710	(14121120)	399842.79
3736751.95	11.13474	(14121120)		
399862.79	3736751.95	11.06967	(14121120)	399882.79
3736751.95	11.27531	(16062021)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399902.79	3736751.95	11.67612	(16062021)	399922.79
3736751.95	11.79330	(16062021)		
399942.79	3736751.95	12.03896	(15060921)	399962.79
3736751.95	12.24650	(15060921)		
399982.79	3736751.95	12.24914	(15060921)	400002.79
3736751.95	12.09691	(15060921)		
400022.79	3736751.95	12.24345	(15030118)	400042.79
3736751.95	12.39858	(15030118)		
400062.79	3736751.95	12.39140	(15030118)	400082.79
3736751.95	12.31328	(15030118)		
400102.79	3736751.95	11.95495	(16030606)	400122.79
3736751.95	12.32364	(16030606)		
400142.79	3736751.95	12.24242	(16030606)	400162.79
3736751.95	12.14673	(16062019)		
400182.79	3736751.95	12.35193	(16122324)	398682.79
3736771.95	4.49704	(16120224)		
398702.79	3736771.95	4.55595	(16120224)	398722.79
3736771.95	4.61520	(14041701)		
398742.79	3736771.95	4.68708	(14041701)	398762.79
3736771.95	4.75697	(14041701)		
398782.79	3736771.95	4.81305	(14041701)	398802.79
3736771.95	4.70148	(14041701)		

398822.79	3736771.95	4.90470	(14041701)	398842.79
3736771.95	4.98426	(14041701)		
398862.79	3736771.95	5.03950	(14041701)	398882.79
3736771.95	5.07982	(14041701)		
398902.79	3736771.95	5.15497	(14051901)	398922.79
3736771.95	5.25007	(14051901)		
398942.79	3736771.95	5.34782	(14051901)	398962.79
3736771.95	5.43582	(14051901)		
398982.79	3736771.95	5.50456	(14051901)	399002.79
3736771.95	5.55349	(14051901)		
399022.79	3736771.95	5.61473	(13050521)	399042.79
3736771.95	5.70518	(13050521)		
399062.79	3736771.95	5.78928	(13050521)	399082.79
3736771.95	5.89832	(15091502)		
399102.79	3736771.95	6.01595	(15091502)	399122.79
3736771.95	6.10755	(15091502)		
399142.79	3736771.95	6.20468	(15091502)	399162.79
3736771.95	6.29224	(15091502)		
399182.79	3736771.95	6.37220	(15091502)	399202.79
3736771.95	6.43301	(12041024)		
399222.79	3736771.95	6.54752	(13122617)	399242.79
3736771.95	6.69361	(13122617)		
399262.79	3736771.95	6.84548	(13122617)	399282.79
3736771.95	6.98542	(13122617)		
399302.79	3736771.95	7.13407	(13122617)	399322.79
3736771.95	7.25478	(13122617)		
399342.79	3736771.95	7.35358	(15091503)	399362.79
3736771.95	7.44935	(15091503)		
399382.79	3736771.95	7.52597	(15091503)	399402.79
3736771.95	7.61009	(15100321)		
399422.79	3736771.95	7.76265	(15100321)	399442.79
3736771.95	7.92648	(14072506)		
399462.79	3736771.95	8.06256	(14072506)	399482.79
3736771.95	8.18988	(13050424)		
399502.79	3736771.95	8.29957	(13050424)	399522.79
3736771.95	8.28651	(13050424)		
399542.79	3736771.95	8.35965	(14121617)	399562.79
3736771.95	8.68277	(14121617)		
399582.79	3736771.95	8.87371	(14121119)	399602.79
3736771.95	8.98451	(14121119)		
399622.79	3736771.95	9.09302	(12101803)	399642.79
3736771.95	9.32475	(12101803)		
399662.79	3736771.95	9.55406	(12101803)	399682.79
3736771.95	9.69333	(12101803)		
399702.79	3736771.95	9.77747	(12101803)	399722.79
3736771.95	9.80081	(16091818)		
399742.79	3736771.95	9.80060	(16091818)	399762.79
3736771.95	9.81113	(14121120)		
399782.79	3736771.95	10.24628	(14121120)	399802.79
3736771.95	10.61808	(14121120)		

399822.79	3736771.95	10.81308	(14121120)	399842.79
3736771.95	10.84600	(14121120)		
399862.79	3736771.95	10.88614	(16062021)	399882.79
3736771.95	11.11272	(16062021)		
399902.79	3736771.95	11.13704	(16062021)	399922.79
3736771.95	11.31248	(15060921)		
399942.79	3736771.95	11.70226	(15060921)	399962.79
3736771.95	11.86338	(15060921)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

399982.79	3736771.95	11.81005	(15060921)	400002.79
3736771.95	11.65055	(15030118)		
400022.79	3736771.95	11.89479	(15030118)	400042.79
3736771.95	12.01889	(15030118)		
400062.79	3736771.95	12.03945	(15030118)	400082.79
3736771.95	11.85192	(15030118)		
400102.79	3736771.95	11.54354	(16030606)	400122.79
3736771.95	11.73774	(16030606)		
400142.79	3736771.95	11.76167	(16030606)	400162.79
3736771.95	11.66061	(16062019)		
400182.79	3736771.95	12.02911	(16122324)	398682.79
3736791.95	4.48155	(14041701)		
398702.79	3736791.95	4.54598	(14041701)	398722.79
3736791.95	4.61242	(14041701)		
398742.79	3736791.95	4.67672	(14041701)	398762.79
3736791.95	4.73857	(14041701)		
398782.79	3736791.95	4.77102	(14041701)	398802.79
3736791.95	4.64339	(14041701)		
398822.79	3736791.95	4.88554	(14041701)	398842.79
3736791.95	4.93010	(14041701)		

398862.79	3736791.95	5.00123	(14051901)	398882.79
3736791.95	5.07585	(14051901)		
398902.79	3736791.95	5.14897	(14051901)	398922.79
3736791.95	5.24144	(14051901)		
398942.79	3736791.95	5.32176	(14051901)	398962.79
3736791.95	5.39944	(14051901)		
398982.79	3736791.95	5.45067	(14051901)	399002.79
3736791.95	5.52938	(13050521)		
399022.79	3736791.95	5.59935	(13050521)	399042.79
3736791.95	5.66644	(13050521)		
399062.79	3736791.95	5.75569	(15091502)	399082.79
3736791.95	5.86110	(15091502)		
399102.79	3736791.95	5.96050	(15091502)	399122.79
3736791.95	6.02459	(15091502)		
399142.79	3736791.95	6.12244	(12041024)	399162.79
3736791.95	6.20241	(12041024)		
399182.79	3736791.95	6.25850	(12041024)	399202.79
3736791.95	6.40156	(13122617)		
399222.79	3736791.95	6.52382	(13122617)	399242.79
3736791.95	6.66725	(13122617)		
399262.79	3736791.95	6.79429	(13122617)	399282.79
3736791.95	6.92669	(13122617)		
399302.79	3736791.95	7.03927	(13122617)	399322.79
3736791.95	7.13968	(15091503)		
399342.79	3736791.95	7.24089	(15091503)	399362.79
3736791.95	7.31206	(15091503)		
399382.79	3736791.95	7.37002	(15100321)	399402.79
3736791.95	7.53851	(14072506)		
399422.79	3736791.95	7.68978	(14072506)	399442.79
3736791.95	7.81441	(14072506)		
399462.79	3736791.95	7.93943	(13050424)	399482.79
3736791.95	8.03567	(13050424)		
399502.79	3736791.95	8.09962	(13050424)	399522.79
3736791.95	7.97263	(14121617)		
399542.79	3736791.95	8.00739	(14121617)	399562.79
3736791.95	8.32373	(14121119)		
399582.79	3736791.95	8.71362	(14121119)	399602.79
3736791.95	8.77890	(13050520)		
399622.79	3736791.95	8.98340	(12101803)	399642.79
3736791.95	9.20168	(12101803)		
399662.79	3736791.95	9.35058	(12101803)	399682.79
3736791.95	9.43621	(12101803)		
399702.79	3736791.95	9.44282	(12101803)	399722.79
3736791.95	9.46889	(16091818)		
399742.79	3736791.95	9.44235	(16091818)	399762.79
3736791.95	9.77493	(14121120)		
399782.79	3736791.95	10.09617	(14121120)	399802.79
3736791.95	10.38691	(14121120)		
399822.79	3736791.95	10.55438	(14121120)	399842.79
3736791.95	10.57110	(14121120)		

399862.79	3736791.95	10.71110	(16062021)	399882.79
3736791.95	10.90680	(16062021)		
399902.79	3736791.95	10.92594	(16062021)	399922.79
3736791.95	11.00753	(15060921)		
399942.79	3736791.95	11.18748	(15060921)	399962.79
3736791.95	11.42959	(15060921)		
399982.79	3736791.95	11.37099	(15060921)	400002.79
3736791.95	11.35824	(15030118)		
400022.79	3736791.95	11.57221	(15030118)	400042.79
3736791.95	11.69008	(15030118)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
400062.79	3736791.95	11.64908	(15030118)	400082.79
3736791.95	11.42359	(15030118)		
400102.79	3736791.95	11.14964	(16030606)	400122.79
3736791.95	11.30779	(16030606)		
400142.79	3736791.95	11.39440	(16030606)	400162.79
3736791.95	11.31822	(16122324)		
400182.79	3736791.95	11.72069	(16122324)	398682.79
3736811.95	4.47861	(14041701)		
398702.79	3736811.95	4.53590	(14041701)	398722.79
3736811.95	4.59489	(14041701)		
398742.79	3736811.95	4.65129	(14041701)	398762.79
3736811.95	4.70484	(14041701)		
398782.79	3736811.95	4.69086	(14041701)	398802.79
3736811.95	4.67641	(14041701)		
398822.79	3736811.95	4.84667	(14051901)	398842.79
3736811.95	4.92548	(14051901)		
398862.79	3736811.95	5.00114	(14051901)	398882.79
3736811.95	5.06842	(14051901)		

3736811.95	398902.79	3736811.95	5.12883	(14051901)	398922.79
3736811.95	398942.79	3736811.95	5.21934	(14051901)	398962.79
3736811.95	398982.79	3736811.95	5.27588	(14051901)	399002.79
3736811.95	399022.79	3736811.95	5.34203	(13050521)	399042.79
3736811.95	399062.79	3736811.95	5.42046	(13050521)	399082.79
3736811.95	399102.79	3736811.95	5.49643	(13050521)	399122.79
3736811.95	399142.79	3736811.95	5.56123	(13050521)	399162.79
3736811.95	399182.79	3736811.95	5.62896	(15091502)	399202.79
3736811.95	399222.79	3736811.95	5.71000	(15091502)	399242.79
3736811.95	399262.79	3736811.95	5.80527	(12041024)	399282.79
3736811.95	399302.79	3736811.95	5.87978	(12041024)	399322.79
3736811.95	399342.79	3736811.95	5.96803	(12041024)	399362.79
3736811.95	399382.79	3736811.95	6.03895	(12041024)	399402.79
3736811.95	399422.79	3736811.95	6.10728	(13122617)	399442.79
3736811.95	399462.79	3736811.95	6.25640	(13122617)	399482.79
3736811.95	399502.79	3736811.95	6.36876	(13122617)	399522.79
3736811.95	399542.79	3736811.95	6.49393	(13122617)	399562.79
3736811.95	399582.79	3736811.95	6.61074	(13122617)	399602.79
3736811.95	399622.79	3736811.95	6.72268	(13122617)	399642.79
3736811.95	399662.79	3736811.95	6.83895	(15091503)	399682.79
3736811.95	399702.79	3736811.95	6.93459	(15091503)	399722.79
3736811.95	399742.79	3736811.95	7.02512	(15091503)	399762.79
3736811.95	399782.79	3736811.95	7.09276	(15091503)	399802.79
3736811.95	399822.79	3736811.95	7.15747	(14072506)	399842.79
3736811.95	399862.79	3736811.95	7.32266	(14072506)	399882.79
3736811.95	399902.79	3736811.95	7.46103	(14072506)	
3736811.95	399942.79	3736811.95	7.56786	(14072506)	
3736811.95	399982.79	3736811.95	7.69506	(13050424)	
3736811.95	400022.79	3736811.95	7.80204	(13050424)	
3736811.95	400062.79	3736811.95	7.86686	(14121617)	
3736811.95	400102.79	3736811.95	8.01238	(14121617)	
3736811.95	400142.79	3736811.95	8.04063	(14121617)	
3736811.95	400182.79	3736811.95	8.01238	(14121617)	
3736811.95	400222.79	3736811.95	7.99386	(14121119)	
3736811.95	400262.79	3736811.95	8.32139	(14121119)	
3736811.95	400302.79	3736811.95	8.50056	(14121119)	
3736811.95	400342.79	3736811.95	8.66301	(12101803)	
3736811.95	400382.79	3736811.95	8.84862	(12101803)	
3736811.95	400422.79	3736811.95	9.01264	(12101803)	
3736811.95	400462.79	3736811.95	9.11657	(12101803)	
3736811.95	400502.79	3736811.95	9.15040	(12101803)	
3736811.95	400542.79	3736811.95	9.12333	(16091818)	
3736811.95	400582.79	3736811.95	9.09967	(16091818)	
3736811.95	400622.79	3736811.95	9.31310	(14121120)	
3736811.95	400662.79	3736811.95	9.69222	(14121120)	
3736811.95	400702.79	3736811.95	9.95224	(14121120)	
3736811.95	400742.79	3736811.95	10.15222	(14121120)	
3736811.95	400782.79	3736811.95	10.22622	(14121120)	
3736811.95	400822.79	3736811.95	10.18474	(14121120)	
3736811.95	400862.79	3736811.95	10.48111	(16062021)	
3736811.95	400902.79	3736811.95	10.60346	(16062021)	

399902.79	3736811.95	10.62278	(15060921)	399922.79
3736811.95	10.89301	(15060921)		
399942.79	3736811.95	10.97268	(15060921)	399962.79
3736811.95	10.86789	(15060921)		
399982.79	3736811.95	10.87333	(12052319)	400002.79
3736811.95	11.09670	(15030118)		
400022.79	3736811.95	11.26805	(15030118)	400042.79
3736811.95	11.38051	(15030118)		
400062.79	3736811.95	11.26581	(15030118)	400082.79
3736811.95	10.99782	(15030118)		
400102.79	3736811.95	10.77305	(16030606)	400122.79
3736811.95	10.89976	(16030606)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
400142.79	3736811.95	10.88029	(16030606)	400162.79
3736811.95	11.03456	(16122324)		
400182.79	3736811.95	11.44337	(16122324)	398682.79
3736831.95	4.46829	(14041701)		
398702.79	3736831.95	4.51184	(14041701)	398722.79
3736831.95	4.56168	(14041701)		
398742.79	3736831.95	4.61145	(14041701)	398762.79
3736831.95	4.65245	(14041701)		
398782.79	3736831.95	4.59144	(14051901)	398802.79
3736831.95	4.74879	(14051901)		
398822.79	3736831.95	4.84640	(14051901)	398842.79
3736831.95	4.91723	(14051901)		
398862.79	3736831.95	4.98385	(14051901)	398882.79
3736831.95	5.04574	(14051901)		
398902.79	3736831.95	5.09216	(14051901)	398922.79
3736831.95	5.16968	(14051901)		

3736831.95	398942.79	3736831.95	5.23905	(13050521)	398962.79
3736831.95	398982.79	3736831.95	5.38613	(13050521)	399002.79
3736831.95	399022.79	3736831.95	5.50961	(12041024)	399042.79
3736831.95	399062.79	3736831.95	5.67636	(12041024)	399082.79
3736831.95	399102.79	3736831.95	5.81971	(12041024)	399122.79
3736831.95	399142.79	3736831.95	5.97286	(13122617)	399162.79
3736831.95	399182.79	3736831.95	6.22901	(13122617)	399202.79
3736831.95	399222.79	3736831.95	6.43976	(13122617)	399242.79
3736831.95	399262.79	3736831.95	6.62852	(15091503)	399282.79
3736831.95	399302.79	3736831.95	6.82561	(15091503)	399322.79
3736831.95	399342.79	3736831.95	6.95166	(14072506)	399362.79
3736831.95	399382.79	3736831.95	7.24098	(14072506)	399402.79
3736831.95	399422.79	3736831.95	7.44305	(12041022)	399442.79
3736831.95	399462.79	3736831.95	7.65925	(14121617)	399482.79
3736831.95	399502.79	3736831.95	7.90483	(14121617)	399522.79
3736831.95	399542.79	3736831.95	8.12858	(14121119)	399562.79
3736831.95	399582.79	3736831.95	8.36685	(13050520)	399602.79
3736831.95	399622.79	3736831.95	8.71227	(12101803)	399642.79
3736831.95	399662.79	3736831.95	8.83657	(12101803)	399682.79
3736831.95	399702.79	3736831.95	8.80864	(16091818)	399722.79
3736831.95	399742.79	3736831.95	9.20841	(14121120)	399762.79
3736831.95	399782.79	3736831.95	9.76551	(14121120)	399802.79
3736831.95	399822.79	3736831.95	9.96610	(14121120)	399842.79
3736831.95	399862.79	3736831.95	10.14287	(16062021)	399882.79
3736831.95	399902.79	3736831.95	10.47692	(15060921)	399922.79
3736831.95		10.65796	(15060921)		

399942.79	3736831.95	10.71700	(15060921)	399962.79
3736831.95	10.65364	(15060921)		
399982.79	3736831.95	10.49494	(12052319)	400002.79
3736831.95	10.73560	(15030118)		
400022.79	3736831.95	10.98637	(15030118)	400042.79
3736831.95	11.03777	(15030118)		
400062.79	3736831.95	10.89275	(15030118)	400082.79
3736831.95	10.61829	(15030118)		
400102.79	3736831.95	10.41319	(16030606)	400122.79
3736831.95	10.51263	(16030606)		
400142.79	3736831.95	10.47711	(16030606)	400162.79
3736831.95	10.79856	(16122324)		
400182.79	3736831.95	11.15231	(16122324)	398682.79
3736851.95	4.44662	(14041701)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398702.79	3736851.95	4.47439	(14041701)	398722.79
3736851.95	4.51785	(14041701)		
398742.79	3736851.95	4.55796	(14041701)	398762.79
3736851.95	4.62053	(14051901)		
398782.79	3736851.95	4.54602	(14051901)	398802.79
3736851.95	4.76458	(14051901)		
398822.79	3736851.95	4.83287	(14051901)	398842.79
3736851.95	4.89438	(14051901)		
398862.79	3736851.95	4.95174	(14051901)	398882.79
3736851.95	4.99536	(14051901)		
398902.79	3736851.95	5.05257	(13050521)	398922.79
3736851.95	5.14107	(13050521)		
398942.79	3736851.95	5.21124	(13050521)	398962.79
3736851.95	5.27350	(13050521)		

3736851.95	398982.79	3736851.95	5.32388	(13050521)	399002.79
3736851.95	399022.79	3736851.95	5.47801	(12041024)	399042.79
3736851.95	399062.79	3736851.95	5.62411	(12041024)	399082.79
3736851.95	399102.79	3736851.95	5.74197	(12041024)	399122.79
3736851.95	399142.79	3736851.95	5.96333	(13122617)	399162.79
3736851.95	399182.79	3736851.95	6.18911	(13122617)	399202.79
3736851.95	399222.79	3736851.95	6.36090	(13122617)	399242.79
3736851.95	399262.79	3736851.95	6.54771	(15091503)	399282.79
3736851.95	399302.79	3736851.95	6.67206	(15091503)	399322.79
3736851.95	399342.79	3736851.95	6.90686	(14072506)	399362.79
3736851.95	399382.79	3736851.95	7.14426	(12052324)	399402.79
3736851.95	399422.79	3736851.95	7.31584	(12041022)	399442.79
3736851.95	399462.79	3736851.95	7.57734	(14121617)	399482.79
3736851.95	399502.79	3736851.95	7.79130	(14121617)	399522.79
3736851.95	399542.79	3736851.95	7.98926	(14121119)	399562.79
3736851.95	399582.79	3736851.95	8.25434	(12101803)	399602.79
3736851.95	399622.79	3736851.95	8.52921	(12101803)	399642.79
3736851.95	399662.79	3736851.95	8.57748	(12101803)	399682.79
3736851.95	399702.79	3736851.95	8.48567	(16091818)	399722.79
3736851.95	399742.79	3736851.95	9.09917	(14121120)	399762.79
3736851.95	399782.79	3736851.95	9.57377	(14121120)	399802.79
3736851.95	399822.79	3736851.95	9.67535	(14121120)	399842.79
3736851.95	399862.79	3736851.95	9.98213	(16062021)	399882.79
3736851.95	399902.79	3736851.95	10.21298	(15060921)	399922.79
3736851.95	399942.79	3736851.95	10.41414	(15060921)	399962.79
3736851.95		10.45449	(12052319)		

399982.79	3736851.95	10.39852	(15030118)	400002.79
3736851.95	10.51430	(15030118)		
400022.79	3736851.95	10.51000	(15030118)	400042.79
3736851.95	10.61338	(15030118)		
400062.79	3736851.95	10.51589	(15030118)	400082.79
3736851.95	10.26294	(15030118)		
400102.79	3736851.95	10.06968	(16030606)	400122.79
3736851.95	10.14504	(16030606)		
400142.79	3736851.95	10.09598	(16030606)	400162.79
3736851.95	10.52527	(16122324)		
400182.79	3736851.95	10.85307	(16122324)	398682.79
3736871.95	4.39319	(14041701)		
398702.79	3736871.95	4.42426	(14041701)	398722.79
3736871.95	4.48794	(14051901)		
398742.79	3736871.95	4.55715	(14051901)	398762.79
3736871.95	4.58595	(14051901)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398782.79	3736871.95	4.53369	(14051901)	398802.79
3736871.95	4.74432	(14051901)		
398822.79	3736871.95	4.80194	(14051901)	398842.79
3736871.95	4.85229	(14051901)		
398862.79	3736871.95	4.90177	(14051901)	398882.79
3736871.95	4.95173	(13050521)		
398902.79	3736871.95	5.03121	(13050521)	398922.79
3736871.95	5.09956	(13050521)		
398942.79	3736871.95	5.16039	(13050521)	398962.79
3736871.95	5.21114	(13050521)		
398982.79	3736871.95	5.27234	(12041024)	399002.79
3736871.95	5.35322	(12041024)		

3736871.95	399022.79	3736871.95	5.42909	(12041024)	399042.79
3736871.95	399062.79	3736871.95	5.49189	(12041024)	399082.79
3736871.95	399102.79	3736871.95	5.54161	(12041024)	399122.79
3736871.95	399142.79	3736871.95	5.58613	(12041024)	399162.79
3736871.95	399182.79	3736871.95	5.71002	(13122617)	399202.79
3736871.95	399222.79	3736871.95	5.83808	(13122617)	399242.79
3736871.95	399262.79	3736871.95	5.94393	(13122617)	399282.79
3736871.95	399302.79	3736871.95	6.03716	(13122617)	399322.79
3736871.95	399342.79	3736871.95	6.12761	(13122617)	399362.79
3736871.95	399382.79	3736871.95	6.20928	(15091503)	399402.79
3736871.95	399422.79	3736871.95	6.29456	(15091503)	399442.79
3736871.95	399462.79	3736871.95	6.36835	(15091503)	399482.79
3736871.95	399502.79	3736871.95	6.45316	(15091503)	399522.79
3736871.95	399542.79	3736871.95	6.49745	(15091503)	399562.79
3736871.95	399582.79	3736871.95	6.55006	(14072506)	399602.79
3736871.95	399622.79	3736871.95	6.67873	(14072506)	399642.79
3736871.95	399662.79	3736871.95	6.82012	(12052324)	399682.79
3736871.95	399702.79	3736871.95	6.93863	(12052324)	399722.79
3736871.95	399742.79	3736871.95	7.03030	(12052324)	399762.79
3736871.95	399782.79	3736871.95	7.10363	(12052324)	399802.79
3736871.95	399822.79	3736871.95	7.18415	(14121617)	399842.79
3736871.95	399862.79	3736871.95	7.33597	(14121617)	399882.79
3736871.95	399902.79	3736871.95	7.48504	(14121617)	399922.79
3736871.95	399942.79	3736871.95	7.57457	(14121617)	399962.79
3736871.95	399982.79	3736871.95	7.70216	(14121119)	400002.79
3736871.95	10.03485	3736871.95	7.79944	(14121119)	
3736871.95	10.11274	3736871.95	7.88553	(13050520)	
3736871.95	10.17286	3736871.95	7.98017	(13050520)	
3736871.95	10.18973	3736871.95	8.13151	(12101803)	
3736871.95	10.32407	3736871.95	8.25532	(12101803)	
			8.31940	(12101803)	
			8.34226	(12101803)	
			8.39603	(12101803)	
			8.42696	(14121120)	
			8.42696	(14121120)	
			8.28441	(12101803)	
			8.24094	(16091818)	
			8.97971	(14121120)	
			8.97971	(14121120)	
			9.21889	(14121120)	
			9.34049	(14121120)	
			9.38975	(16062021)	
			9.38975	(16062021)	
			9.56008	(16062021)	
			9.64211	(16062021)	
			9.75794	(15060921)	
			9.95087	(15060921)	
			10.03485	(15060921)	
			10.11274	(15060921)	
			10.17286	(12052319)	
			10.18973	(15030118)	
			10.32407	(15030118)	

400022.79	3736871.95	10.35865	(15030118)	400042.79
3736871.95	10.19075	(15030118)		
400062.79	3736871.95	10.05407	(15030118)	400082.79
3736871.95	9.88678	(15030118)		
400102.79	3736871.95	9.74164	(16030606)	400122.79
3736871.95	9.79637	(16030606)		
400142.79	3736871.95	9.84306	(16122324)	400162.79
3736871.95	10.26006	(16122324)		
400182.79	3736871.95	10.55605	(16122324)	398682.79
3736891.95	4.35072	(14112921)		
398702.79	3736891.95	4.41710	(14051901)	398722.79
3736891.95	4.48138	(14051901)		
398742.79	3736891.95	4.54019	(14051901)	398762.79
3736891.95	4.51229	(14051901)		
398782.79	3736891.95	4.56115	(14051901)	398802.79
3736891.95	4.70815	(14051901)		
398822.79	3736891.95	4.75345	(14051901)	398842.79
3736891.95	4.80721	(13050521)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398862.79	3736891.95	4.87361	(13050521)	398882.79
3736891.95	4.92233	(13050521)		
398902.79	3736891.95	4.99383	(13050521)	398922.79
3736891.95	5.04557	(13050521)		
398942.79	3736891.95	5.10152	(12041024)	398962.79
3736891.95	5.17321	(12041024)		
398982.79	3736891.95	5.22493	(12041024)	399002.79
3736891.95	5.29000	(12041024)		
399022.79	3736891.95	5.35755	(12041024)	399042.79
3736891.95	5.39911	(12041024)		

3736891.95	399062.79	3736891.95	5.46789	(13122617)	399082.79
3736891.95	399102.79	3736891.95	5.70442	(13122617)	399122.79
3736891.95	399142.79	3736891.95	5.89740	(13122617)	399162.79
3736891.95	399182.79	3736891.95	6.05350	(15091503)	399202.79
3736891.95	399222.79	3736891.95	6.20828	(15091503)	399242.79
3736891.95	399262.79	3736891.95	6.32040	(15091503)	399282.79
3736891.95	399302.79	3736891.95	6.51011	(14072506)	399322.79
3736891.95	399342.79	3736891.95	6.73200	(12052324)	399362.79
3736891.95	399382.79	3736891.95	6.90227	(12052324)	399402.79
3736891.95	399422.79	3736891.95	7.11636	(14121617)	399442.79
3736891.95	399462.79	3736891.95	7.35458	(14121617)	399482.79
3736891.95	399502.79	3736891.95	7.58461	(14121119)	399522.79
3736891.95	399542.79	3736891.95	7.75165	(13050520)	399562.79
3736891.95	399582.79	3736891.95	7.99729	(12101803)	399602.79
3736891.95	399622.79	3736891.95	8.09413	(12101803)	399642.79
3736891.95	399662.79	3736891.95	8.00573	(16091818)	399682.79
3736891.95	399702.79	3736891.95	8.37213	(14121120)	399722.79
3736891.95	399742.79	3736891.95	8.86310	(14121120)	399762.79
3736891.95	399782.79	3736891.95	9.10437	(14121120)	399802.79
3736891.95	399822.79	3736891.95	9.18599	(16062021)	399842.79
3736891.95	399862.79	3736891.95	9.36899	(16062020)	399882.79
3736891.95	399902.79	3736891.95	9.72462	(16062020)	399922.79
3736891.95	399942.79	3736891.95	9.87594	(12052319)	399962.79
3736891.95	399982.79	3736891.95	9.97514	(15030118)	400002.79
3736891.95	400022.79	3736891.95	10.12438	(15030118)	400042.79
3736891.95		10.00101 (15030118)			

400062.79	3736891.95	9.72695	(15030118)	400082.79
3736891.95	9.37373	(15030118)		
400102.79	3736891.95	9.42049	(16030606)	400122.79
3736891.95	9.46469	(16030606)		
400142.79	3736891.95	9.62823	(16122324)	400162.79
3736891.95	10.01672	(16122324)		
400182.79	3736891.95	10.33010	(16122324)	398682.79
3736911.95	4.36000	(14051901)		
398702.79	3736911.95	4.40515	(14051901)	398722.79
3736911.95	4.46191	(14051901)		
398742.79	3736911.95	4.51019	(14051901)	398762.79
3736911.95	4.41045	(14051901)		
398782.79	3736911.95	4.57682	(14051901)	398802.79
3736911.95	4.65671	(13050521)		
398822.79	3736911.95	4.72081	(13050521)	398842.79
3736911.95	4.78536	(13050521)		
398862.79	3736911.95	4.82952	(13050521)	398882.79
3736911.95	4.87541	(13050521)		
398902.79	3736911.95	4.92856	(13050521)	398922.79
3736911.95	4.99870	(12041024)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398942.79	3736911.95	5.07026	(12041024)	398962.79
3736911.95	5.11608	(12041024)		
398982.79	3736911.95	5.17215	(12041024)	399002.79
3736911.95	5.23903	(15091504)		
399022.79	3736911.95	5.29897	(15091504)	399042.79
3736911.95	5.34761	(13122617)		
399062.79	3736911.95	5.46112	(13122617)	399082.79
3736911.95	5.57118	(13122617)		

3736911.95	399102.79	3736911.95	5.67136	(13122617)	399122.79
3736911.95	399142.79	3736911.95	5.75632	(13122617)	399162.79
3736911.95	399182.79	3736911.95	5.83336	(13122617)	399202.79
3736911.95	399222.79	3736911.95	5.91272	(15091503)	399242.79
3736911.95	399262.79	3736911.95	5.98873	(15091503)	399282.79
3736911.95	399302.79	3736911.95	6.04637	(15091503)	399322.79
3736911.95	399342.79	3736911.95	6.08320	(15091503)	399362.79
3736911.95	399382.79	3736911.95	6.13650	(15091503)	399402.79
3736911.95	399422.79	3736911.95	6.20973	(14072506)	399442.79
3736911.95	399462.79	3736911.95	6.46143	(12052324)	399482.79
3736911.95	399502.79	3736911.95	6.57971	(12052324)	399522.79
3736911.95	399542.79	3736911.95	6.67258	(12052324)	399562.79
3736911.95	399582.79	3736911.95	6.72961	(12052324)	399602.79
3736911.95	399622.79	3736911.95	6.77287	(12052324)	399642.79
3736911.95	399662.79	3736911.95	6.90792	(14121617)	399682.79
3736911.95	399702.79	3736911.95	7.03391	(14121617)	399722.79
3736911.95	399742.79	3736911.95	7.13913	(14121617)	399762.79
3736911.95	399782.79	3736911.95	7.26464	(14121119)	399802.79
3736911.95	399822.79	3736911.95	7.37218	(14121119)	399842.79
3736911.95	399862.79	3736911.95	7.44228	(14121119)	399882.79
3736911.95	399902.79	3736911.95	7.53505	(13050520)	399922.79
3736911.95	399942.79	3736911.95	7.60523	(12101803)	399962.79
3736911.95	399982.79	3736911.95	7.74187	(12101803)	400002.79
3736911.95	400022.79	3736911.95	7.83219	(12101803)	400042.79
3736911.95	400062.79	3736911.95	7.85950	(12101803)	400082.79
3736911.95	400102.79	3736911.95	7.85575	(12101803)	
3736911.95	400142.79	3736911.95	7.81940	(14022703)	
3736911.95	400182.79	3736911.95	7.88471	(16122323)	
3736911.95	400222.79	3736911.95	7.88471	(16122323)	
3736911.95	400262.79	3736911.95	8.04152	(14121120)	
3736911.95	400302.79	3736911.95	8.29481	(14121120)	
3736911.95	400342.79	3736911.95	8.52021	(14121120)	
3736911.95	400382.79	3736911.95	8.29481	(14121120)	
3736911.95	400422.79	3736911.95	8.72195	(14121120)	
3736911.95	400462.79	3736911.95	8.72195	(14121120)	
3736911.95	400502.79	3736911.95	8.81078	(14121120)	
3736911.95	400542.79	3736911.95	8.86378	(14121120)	
3736911.95	400582.79	3736911.95	8.86378	(14121120)	
3736911.95	400622.79	3736911.95	8.83367	(14121120)	
3736911.95	400662.79	3736911.95	8.97218	(16062021)	
3736911.95	400702.79	3736911.95	8.97218	(16062021)	
3736911.95	400742.79	3736911.95	9.05888	(16062021)	
3736911.95	400782.79	3736911.95	9.20401	(16062020)	
3736911.95	400822.79	3736911.95	9.20401	(16062020)	
3736911.95	400862.79	3736911.95	9.40191	(16062020)	
3736911.95	400902.79	3736911.95	9.50640	(16062020)	
3736911.95	400942.79	3736911.95	9.50640	(16062020)	
3736911.95	400982.79	3736911.95	9.57578	(16062020)	
3736911.95	401022.79	3736911.95	9.65922	(12052319)	
3736911.95	401062.79	3736911.95	9.65922	(12052319)	
3736911.95	401102.79	3736911.95	9.61297	(12052319)	
3736911.95	401142.79	3736911.95	9.76056	(15030118)	
3736911.95	401182.79	3736911.95	9.76056	(15030118)	
3736911.95	401222.79	3736911.95	9.83663	(15030118)	
3736911.95	401262.79	3736911.95	9.83844	(15030118)	
3736911.95	401302.79	3736911.95	9.83844	(15030118)	
3736911.95	401342.79	3736911.95	9.68006	(15030118)	
3736911.95	401382.79	3736911.95	9.46542	(15030118)	
3736911.95	401422.79	3736911.95	9.46542	(15030118)	
3736911.95	401462.79	3736911.95	9.14124	(16063019)	
3736911.95	401502.79	3736911.95	9.14124	(16063019)	

400102.79	3736911.95	9.06268	(16030606)	400122.79
3736911.95	9.24553 (14031218)			
400142.79	3736911.95	9.41849	(16122324)	400162.79
3736911.95	9.78082 (16122324)			
400182.79	3736911.95	10.06233	(16122324)	398682.79
3736931.95	4.33856 (14051901)			
398702.79	3736931.95	4.38089	(14051901)	398722.79
3736931.95	4.43006 (14051901)			
398742.79	3736931.95	4.46146	(14051901)	398762.79
3736931.95	4.33903 (14051901)			
398782.79	3736931.95	4.56485	(13050521)	398802.79
3736931.95	4.63432 (13050521)			
398822.79	3736931.95	4.69186	(13050521)	398842.79
3736931.95	4.74513 (13050521)			
398862.79	3736931.95	4.77676	(13050521)	398882.79
3736931.95	4.82664 (13053102)			
398902.79	3736931.95	4.88591	(12041024)	398922.79
3736931.95	4.95051 (12041024)			
398942.79	3736931.95	5.01676	(15091504)	398962.79
3736931.95	5.07111 (15091504)			
398982.79	3736931.95	5.13147	(15091504)	399002.79
3736931.95	5.19075 (15091504)			

▲ *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399022.79	3736931.95	5.24335	(13122617)	399042.79
3736931.95	5.34682 (13122617)			
399062.79	3736931.95	5.44924	(13122617)	399082.79
3736931.95	5.54311 (13122617)			
399102.79	3736931.95	5.61079	(13122617)	399122.79
3736931.95	5.67751 (15091503)			

3736931.95	399142.79	3736931.95	5.76713	(15091503)	399162.79
3736931.95	399182.79	3736931.95	5.84041	(15091503)	399202.79
3736931.95	399222.79	3736931.95	5.89382	(15091503)	399242.79
3736931.95	399262.79	3736931.95	5.93147	(15091503)	399282.79
3736931.95	399302.79	3736931.95	6.04237	(14072506)	399322.79
3736931.95	399342.79	3736931.95	6.16602	(12052324)	399362.79
3736931.95	399382.79	3736931.95	6.29088	(12052324)	399402.79
3736931.95	399422.79	3736931.95	6.41056	(12052324)	399442.79
3736931.95	399462.79	3736931.95	6.56803	(12052324)	399482.79
3736931.95	399502.79	3736931.95	6.62257	(12052324)	399522.79
3736931.95	399542.79	3736931.95	6.71377	(14121617)	399562.79
3736931.95	399582.79	3736931.95	6.82328	(14121617)	399602.79
3736931.95	399622.79	3736931.95	6.92694	(14121617)	399642.79
3736931.95	399662.79	3736931.95	7.04733	(14121119)	399682.79
3736931.95	399702.79	3736931.95	7.15506	(14121119)	399722.79
3736931.95	399742.79	3736931.95	7.23366	(14121119)	399762.79
3736931.95	399782.79	3736931.95	7.32513	(13050520)	399802.79
3736931.95	399822.79	3736931.95	7.48374	(12101803)	399842.79
3736931.95	399862.79	3736931.95	7.59926	(12101803)	399882.79
3736931.95	399902.79	3736931.95	7.64161	(12101803)	399922.79
3736931.95	399942.79	3736931.95	7.65120	(14022703)	399962.79
3736931.95	399982.79	3736931.95	7.64222	(14022703)	400002.79
3736931.95	400022.79	3736931.95	7.65111	(16122323)	400042.79
3736931.95	400062.79	3736931.95	7.84906	(16122323)	400082.79
3736931.95	400102.79	3736931.95	8.01475	(14121120)	400122.79
3736931.95	400142.79	3736931.95	8.21629	(14121120)	
3736931.95	400182.79	3736931.95	8.41588	(14121120)	
3736931.95	400222.79	3736931.95	8.53967	(14121120)	
3736931.95	400262.79	3736931.95	8.60557	(14121120)	
3736931.95	400302.79	3736931.95	8.60904	(14121120)	
3736931.95	400342.79	3736931.95	8.63268	(16062021)	
3736931.95	400382.79	3736931.95	8.75079	(16062021)	
3736931.95	400422.79	3736931.95	8.80177	(16062021)	
3736931.95	400462.79	3736931.95	9.02947	(16062020)	
3736931.95	400502.79	3736931.95	9.19033	(16062020)	
3736931.95	400542.79	3736931.95	9.26919	(16062020)	
3736931.95	400582.79	3736931.95	9.33555	(12052319)	
3736931.95	400622.79	3736931.95	9.38130	(12052319)	
3736931.95	400662.79	3736931.95	9.36616	(15030118)	
3736931.95	400702.79	3736931.95	9.52699	(15030118)	
3736931.95	400742.79	3736931.95	9.59332	(15030118)	
3736931.95	400782.79	3736931.95	9.53839	(15030118)	
3736931.95	400822.79	3736931.95	9.38601	(15030118)	
3736931.95	400862.79	3736931.95	9.16506	(15030118)	
3736931.95	400902.79	3736931.95	8.98348	(16063019)	
3736931.95	400942.79	3736931.95	8.97102	(14031218)	
3736931.95	400982.79	3736931.95	9.01799	(14031218)	

400142.79	3736931.95	9.15442	(16122324)	400162.79
3736931.95	9.55244 (16122324)			
400182.79	3736931.95	9.78975	(16122324)	398682.79
3736951.95	4.30026 (14051901)			
398702.79	3736951.95	4.34501	(14051901)	398722.79
3736951.95	4.38650 (14051901)			
398742.79	3736951.95	4.38592	(13050521)	398762.79
3736951.95	4.36646 (13050521)			
398782.79	3736951.95	4.54358	(13050521)	398802.79
3736951.95	4.59581 (13050521)			
398822.79	3736951.95	4.64749	(13050521)	398842.79
3736951.95	4.68422 (13050521)			
398862.79	3736951.95	4.73557	(13053102)	398882.79
3736951.95	4.80014 (13053102)			
398902.79	3736951.95	4.86866	(15091504)	398922.79
3736951.95	4.92648 (15091504)			
398942.79	3736951.95	4.97502	(15091504)	398962.79
3736951.95	5.02474 (15091504)			
398982.79	3736951.95	5.08204	(15091504)	399002.79
3736951.95	5.13679 (13122617)			
399022.79	3736951.95	5.23228	(13122617)	399042.79
3736951.95	5.32901 (13122617)			
399062.79	3736951.95	5.41137	(13122617)	399082.79
3736951.95	5.48100 (13122617)			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399102.79	3736951.95	5.54494	(15091503)	399122.79
3736951.95	5.61621 (15091503)			
399142.79	3736951.95	5.67894	(15091503)	399162.79
3736951.95	5.74077 (15091503)			

3736951.95	399182.79	3736951.95	5.79007	(15091503)	399202.79
3736951.95	399222.79	3736951.95	5.80619	(15091503)	399242.79
3736951.95	399262.79	3736951.95	5.87689	(12052324)	399282.79
3736951.95	399302.79	3736951.95	6.00766	(12052324)	399322.79
3736951.95	399342.79	3736951.95	6.13232	(12052324)	399362.79
3736951.95	399382.79	3736951.95	6.24020	(12052324)	399402.79
3736951.95	399422.79	3736951.95	6.33223	(12052324)	399442.79
3736951.95	399462.79	3736951.95	6.40056	(12052324)	399482.79
3736951.95	399502.79	3736951.95	6.45229	(12052324)	399522.79
3736951.95	399542.79	3736951.95	6.53692	(14121617)	399562.79
3736951.95	399582.79	3736951.95	6.63324	(14121617)	399602.79
3736951.95	399622.79	3736951.95	6.71843	(14121119)	399642.79
3736951.95	399662.79	3736951.95	6.82218	(14121119)	399682.79
3736951.95	399702.79	3736951.95	6.93423	(14121119)	399722.79
3736951.95	399742.79	3736951.95	7.02403	(14121119)	399762.79
3736951.95	399782.79	3736951.95	7.11103	(16051423)	399802.79
3736951.95	399822.79	3736951.95	7.18269	(13050520)	399842.79
3736951.95	399862.79	3736951.95	7.24926	(12101803)	399882.79
3736951.95	399902.79	3736951.95	7.35352	(12101803)	399922.79
3736951.95	399942.79	3736951.95	7.42311	(12101803)	399962.79
3736951.95	400002.79	3736951.95	7.46637	(14022703)	400042.79
3736951.95	400022.79	3736951.95	7.46730	(14022703)	400082.79
3736951.95	400042.79	3736951.95	7.44085	(14022703)	400122.79
3736951.95	400062.79	3736951.95	7.60205	(16122323)	400162.79
3736951.95	400082.79	3736951.95	7.76198	(16122323)	
3736951.95	400102.79	3736951.95	7.92951	(14121120)	
3736951.95	400122.79	3736951.95	8.11688	(14121120)	
3736951.95	400142.79	3736951.95	8.25736	(14121120)	
3736951.95	400162.79	3736951.95	8.34585	(14121120)	
3736951.95	400182.79	3736951.95	8.37780	(14121120)	
3736951.95	400202.79	3736951.95	8.34964	(14121120)	
3736951.95	400222.79	3736951.95	8.44082	(16062021)	
3736951.95	400242.79	3736951.95	8.52440	(16062021)	
3736951.95	400262.79	3736951.95	8.65556	(16062020)	
3736951.95	400282.79	3736951.95	8.84737	(16062020)	
3736951.95	400302.79	3736951.95	8.97030	(16062020)	
3736951.95	400322.79	3736951.95	9.02039	(12052319)	
3736951.95	400342.79	3736951.95	9.11820	(12052319)	
3736951.95	400362.79	3736951.95	9.13422	(12052319)	
3736951.95	400382.79	3736951.95	9.16554	(15030118)	
3736951.95	400402.79	3736951.95	9.29496	(15030118)	
3736951.95	400422.79	3736951.95	9.33696	(15030118)	
3736951.95	400442.79	3736951.95	9.28771	(15030118)	
3736951.95	400462.79	3736951.95	9.12561	(15030118)	
3736951.95	400482.79	3736951.95	8.87564	(15030118)	
3736951.95	400502.79	3736951.95	8.82663	(16063019)	
3736951.95	400522.79	3736951.95	8.81071	(14031218)	
3736951.95	400542.79	3736951.95	8.82522	(14031218)	
3736951.95	400562.79	3736951.95	8.95375	(16122324)	
3736951.95	400582.79	3736951.95	9.17084	(16122324)	

400182.79	3736951.95	9.48743	(16122324)	398682.79
3736971.95	4.27305 (14051901)			
398702.79	3736971.95	4.29813	(14051901)	398722.79
3736971.95	4.35150 (13050521)			
398742.79	3736971.95	4.29475	(13050521)	398762.79
3736971.95	4.41134 (13050521)			
398782.79	3736971.95	4.49115	(13050521)	398802.79
3736971.95	4.53800 (13050521)			
398822.79	3736971.95	4.60420	(13053102)	398842.79
3736971.95	4.65254 (13053102)			
398862.79	3736971.95	4.70835	(15091504)	398882.79
3736971.95	4.77338 (15091504)			
398902.79	3736971.95	4.83838	(15091504)	398922.79
3736971.95	4.89442 (15091504)			
398942.79	3736971.95	4.93708	(15091504)	398962.79
3736971.95	4.97078 (15091504)			
398982.79	3736971.95	5.02586	(13122617)	399002.79
3736971.95	5.11885 (13122617)			
399022.79	3736971.95	5.20594	(13122617)	399042.79
3736971.95	5.28193 (13122617)			
399062.79	3736971.95	5.35517	(13122617)	399082.79
3736971.95	5.43051 (15091503)			
399102.79	3736971.95	5.48883	(15091503)	399122.79
3736971.95	5.54408 (15091503)			
399142.79	3736971.95	5.58958	(15091503)	399162.79
3736971.95	5.62389 (15091503)			

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399182.79	3736971.95	5.64853	(15091503)	399202.79
3736971.95	5.73480 (12052324)			

3736971.95	399222.79	3736971.95	5.85959	(12052324)	399242.79
3736971.95	399262.79	3736971.95	6.07632	(12052324)	399282.79
3736971.95	399302.79	3736971.95	6.23679	(12052324)	399322.79
3736971.95	399342.79	3736971.95	6.36780	(14121617)	399362.79
3736971.95	399382.79	3736971.95	6.53674	(14121617)	399402.79
3736971.95	399422.79	3736971.95	6.75779	(14121119)	399442.79
3736971.95	399462.79	3736971.95	6.89510	(16051423)	399482.79
3736971.95	399502.79	3736971.95	7.04024	(13050520)	399522.79
3736971.95	399542.79	3736971.95	7.21764	(14022703)	399562.79
3736971.95	399582.79	3736971.95	7.29727	(14022703)	399602.79
3736971.95	399622.79	3736971.95	7.35360	(16122323)	399642.79
3736971.95	399662.79	3736971.95	7.65761	(16122323)	399682.79
3736971.95	399702.79	3736971.95	7.97267	(14121120)	399722.79
3736971.95	399742.79	3736971.95	8.14291	(14121120)	399762.79
3736971.95	399782.79	3736971.95	8.13177	(16062021)	399802.79
3736971.95	399822.79	3736971.95	8.32018	(15060923)	399842.79
3736971.95	399862.79	3736971.95	8.65828	(16062020)	399882.79
3736971.95	399902.79	3736971.95	8.83217	(12052319)	399922.79
3736971.95	399942.79	3736971.95	8.88899	(12052319)	399962.79
3736971.95	399982.79	3736971.95	9.06535	(15030118)	400002.79
3736971.95	400022.79	3736971.95	9.01556	(15030118)	400042.79
3736971.95	400062.79	3736971.95	8.70745	(16063019)	400082.79
3736971.95	400102.79	3736971.95	8.61142	(14031218)	400122.79
3736971.95	400142.79	3736971.95	8.78161	(16122324)	400162.79
3736971.95	400182.79	3736971.95	9.20781	(16122324)	398682.79
3736991.95	4.27078	(13050521)			

3736991.95	398702.79	3736991.95	4.27390	(13050521)	398722.79
		4.32360	(13050521)		
3736991.95	398742.79	3736991.95	4.21231	(13050521)	398762.79
		4.39599	(13050521)		
3736991.95	398782.79	3736991.95	4.44609	(13053102)	398802.79
		4.50521	(13053102)		
3736991.95	398822.79	3736991.95	4.56372	(13053102)	398842.79
		4.63520	(15091504)		
3736991.95	398862.79	3736991.95	4.69635	(15091504)	398882.79
		4.74589	(15091504)		
3736991.95	398902.79	3736991.95	4.79346	(15091504)	398922.79
		4.83938	(15091504)		
3736991.95	398942.79	3736991.95	4.87698	(15091504)	398962.79
		4.93282	(12041103)		
3736991.95	398982.79	3736991.95	5.00719	(13122617)	399002.79
		5.08257	(13122617)		
3736991.95	399022.79	3736991.95	5.15865	(13122617)	399042.79
		5.22748	(15091503)		
3736991.95	399062.79	3736991.95	5.30570	(15091503)	399082.79
		5.37313	(15091503)		
3736991.95	399102.79	3736991.95	5.42765	(15091503)	399122.79
		5.46208	(15091503)		
3736991.95	399142.79	3736991.95	5.48767	(15091503)	399162.79
		5.50612	(15091503)		
3736991.95	399182.79	3736991.95	5.59498	(12052324)	399202.79
		5.70281	(12052324)		
3736991.95	399222.79	3736991.95	5.81303	(12052324)	399242.79
		5.91074	(12052324)		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

3736991.95	399262.79	3736991.95	5.99710	(12052324)	399282.79
3736991.95	399302.79	6.06935 (12052324)	6.12256	(12052324)	399322.79
3736991.95	399342.79	6.20144 (14121617)	6.28694	(14121617)	399362.79
3736991.95	399382.79	6.36607 (14121617)	6.45377	(14121119)	399402.79
3736991.95	399422.79	6.56311 (14121119)	6.65806	(14121119)	399442.79
3736991.95	399462.79	6.73297 (16051423)	6.79050	(16051423)	399482.79
3736991.95	399502.79	6.84380 (13050520)	6.91097	(12101803)	399522.79
3736991.95	399542.79	7.01825 (14022703)	7.07957	(14022703)	399562.79
3736991.95	399582.79	7.12337 (14022703)	7.10901	(14022703)	399602.79
3736991.95	399622.79	7.10451 (16122323)	7.30133	(16122323)	399642.79
3736991.95	399662.79	7.43950 (16122323)	7.54396	(14121120)	399682.79
3736991.95	399702.79	7.70816 (14121120)	7.83052	(14121120)	399722.79
3736991.95	399742.79	7.90671 (14121120)	7.93299	(14121120)	399762.79
3736991.95	399782.79	7.90647 (14121120)	7.95882	(16062021)	399802.79
3736991.95	399822.79	8.06038 (15060923)	8.17243	(15060923)	399842.79
3736991.95	399862.79	8.33761 (16062020)	8.46222	(16062020)	399882.79
3736991.95	399902.79	8.53000 (12052319)	8.64067	(12052319)	399922.79
3736991.95	399942.79	8.68070 (12052319)	8.64651	(12052319)	399962.79
3736991.95	399982.79	8.76327 (15030118)	8.83889	(15030118)	400002.79
3736991.95	400022.79	8.83569 (15030118)	8.75158	(15030118)	400042.79
3736991.95	400062.79	8.58666 (15030118)	8.53281	(16063019)	400082.79
3736991.95	400102.79	8.41610 (16063019)	8.46749	(14031218)	400122.79
3736991.95	400142.79	8.53205 (14031218)	8.61645	(16122324)	400162.79
3736991.95	400182.79	8.87871 (16122324)	9.07303	(16122324)	398682.79
3737011.95	398702.79	4.28831 (13050521)	4.24422	(13050521)	398722.79
3737011.95		4.25337 (13050521)			

398742.79	3737011.95	4.20723	(13050521)	398762.79
3737011.95	4.37343 (13053102)			
398782.79	3737011.95	4.42649	(13053102)	398802.79
3737011.95	4.47887 (15091504)			
398822.79	3737011.95	4.54530	(15091504)	398842.79
3737011.95	4.60955 (15091504)			
398862.79	3737011.95	4.66603	(15091504)	398882.79
3737011.95	4.71245 (15091504)			
398902.79	3737011.95	4.74195	(15091504)	398922.79
3737011.95	4.77836 (12041103)			
398942.79	3737011.95	4.83920	(12041103)	398962.79
3737011.95	4.90507 (13122617)			
398982.79	3737011.95	4.98203	(13122617)	399002.79
3737011.95	5.04427 (13122617)			
399022.79	3737011.95	5.10524	(15091503)	399042.79
3737011.95	5.17428 (15091503)			
399062.79	3737011.95	5.24370	(15091503)	399082.79
3737011.95	5.29901 (15091503)			
399102.79	3737011.95	5.33855	(15091503)	399122.79
3737011.95	5.36584 (15091503)			
399142.79	3737011.95	5.37675	(15091503)	399162.79
3737011.95	5.47374 (12052324)			
399182.79	3737011.95	5.57485	(12052324)	399202.79
3737011.95	5.66827 (12052324)			
399222.79	3737011.95	5.74855	(12052324)	399242.79
3737011.95	5.83376 (12052324)			
399262.79	3737011.95	5.89993	(12052324)	399282.79
3737011.95	5.95742 (12052324)			
399302.79	3737011.95	6.02837	(14121617)	399322.79
3737011.95	6.13376 (14121617)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

399342.79	3737011.95	6.20479	(14121617)	399362.79
3737011.95	6.28059 (14121119)			
399382.79	3737011.95	6.38552	(14121119)	399402.79
3737011.95	6.47569 (14121119)			
399422.79	3737011.95	6.56021	(16051423)	399442.79
3737011.95	6.62740 (16051423)			
399462.79	3737011.95	6.66789	(13050520)	399482.79
3737011.95	6.71555 (14022703)			
399502.79	3737011.95	6.82192	(14022703)	399522.79
3737011.95	6.89781 (14022703)			
399542.79	3737011.95	6.93584	(14022703)	399562.79
3737011.95	6.95142 (14022703)			
399582.79	3737011.95	6.90383	(14022703)	399602.79
3737011.95	7.05112 (16122323)			
399622.79	3737011.95	7.20360	(16122323)	399642.79
3737011.95	7.33507 (16122323)			
399662.79	3737011.95	7.44337	(14121120)	399682.79
3737011.95	7.57803 (14121120)			
399702.79	3737011.95	7.67106	(14121120)	399722.79
3737011.95	7.71866 (14121120)			
399742.79	3737011.95	7.71786	(14121120)	399762.79
3737011.95	7.67636 (16062021)			
399782.79	3737011.95	7.79555	(15060923)	399802.79
3737011.95	7.93902 (15060923)			
399822.79	3737011.95	8.02365	(15060923)	399842.79
3737011.95	8.16455 (16062020)			
399862.79	3737011.95	8.25921	(16062020)	399882.79
3737011.95	8.36418 (12052319)			
399902.79	3737011.95	8.44730	(12052319)	399922.79
3737011.95	8.46265 (12052319)			
399942.79	3737011.95	8.43951	(15030118)	399962.79
3737011.95	8.56361 (15030118)			
399982.79	3737011.95	8.61620	(15030118)	400002.79
3737011.95	8.59404 (15030118)			
400022.79	3737011.95	8.49583	(15030118)	400042.79
3737011.95	8.36019 (16063019)			
400062.79	3737011.95	8.35256	(16063019)	400082.79
3737011.95	8.21993 (16063019)			
400102.79	3737011.95	8.34677	(14031218)	400122.79
3737011.95	8.36198 (14031218)			
400142.79	3737011.95	8.44808	(16122324)	400162.79
3737011.95	8.70814 (16122324)			
400182.79	3737011.95	8.88765	(16122324)	398682.79
3737031.95	4.16888 (13050521)			
398702.79	3737031.95	4.20449	(13053102)	398722.79
3737031.95	4.13742 (13053102)			
398742.79	3737031.95	4.27504	(13053102)	398762.79
3737031.95	4.36149 (13053102)			

3737031.95	398782.79	3737031.95	4.41127	(15091504)	398802.79
	4.45947	(15091504)			
3737031.95	398822.79	3737031.95	4.51772	(15091504)	398842.79
	4.57588	(15091504)			
3737031.95	398862.79	3737031.95	4.61938	(15091504)	398882.79
	4.65660	(15091504)			
3737031.95	398902.79	3737031.95	4.68525	(12041103)	398922.79
	4.74284	(12041103)			
3737031.95	398942.79	3737031.95	4.79574	(13122617)	398962.79
	4.87008	(13122617)			
3737031.95	398982.79	3737031.95	4.93458	(13122617)	399002.79
	5.00561	(15091503)			
3737031.95	399022.79	3737031.95	5.06991	(15091503)	399042.79
	5.11792	(15091503)			
3737031.95	399062.79	3737031.95	5.16178	(15091503)	399082.79
	5.20907	(15091503)			
3737031.95	399102.79	3737031.95	5.23708	(15091503)	399122.79
	5.24442	(12052324)			
3737031.95	399142.79	3737031.95	5.36660	(12052324)	399162.79
	5.46911	(12052324)			
3737031.95	399182.79	3737031.95	5.54617	(12052324)	399202.79
	5.61707	(12052324)			
3737031.95	399222.79	3737031.95	5.68496	(12052324)	399242.79
	5.75690	(12052324)			
3737031.95	399262.79	3737031.95	5.79431	(12052324)	399282.79
	5.86776	(14121617)			
3737031.95	399302.79	3737031.95	5.96521	(14121617)	399322.79
	6.05577	(14121617)			
3737031.95	399342.79	3737031.95	6.12741	(14121119)	399362.79
	6.21789	(14121119)			
3737031.95	399382.79	3737031.95	6.30967	(14121119)	399402.79
	6.39214	(16051423)			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)
3737031.95	399422.79	3737031.95	6.45150	(16051423)	399442.79
3737031.95	399462.79	6.49764 (13050520) 3737031.95	6.53719	(14022703)	399482.79
3737031.95	399502.79	6.64368 (14022703) 3737031.95	6.70535	(14022703)	399522.79
3737031.95	399542.79	6.75084 (14022703) 3737031.95	6.78676	(14022703)	399562.79
3737031.95	399582.79	6.76275 (14022703) 3737031.95	6.82865	(16122323)	399602.79
3737031.95	399622.79	6.98545 (16122323) 3737031.95	7.11141	(16122323)	399642.79
3737031.95	399662.79	7.21778 (16122323) 3737031.95	7.33047	(14121120)	399682.79
3737031.95	399702.79	7.43738 (14121120) 3737031.95	7.50323	(14121120)	399722.79
3737031.95	399742.79	7.52475 (14121120) 3737031.95	7.49959	(14121120)	399762.79
3737031.95	399782.79	7.52905 (15060923) 3737031.95	7.69364	(15060923)	399802.79
3737031.95	399822.79	7.80910 (15060923) 3737031.95	7.87751	(16062020)	399842.79
3737031.95	399862.79	7.99620 (16062020) 3737031.95	8.06628	(16062020)	399882.79
3737031.95	399902.79	8.18792 (12052319) 3737031.95	8.25314	(12052319)	399922.79
3737031.95	399942.79	8.24626 (12052319) 3737031.95	8.26551	(15030118)	399962.79
3737031.95	399982.79	8.36081 (15030118) 3737031.95	8.39563	(15030118)	400002.79
3737031.95	400022.79	8.35879 (15030118) 3737031.95	8.24841	(15030118)	400042.79
3737031.95	400062.79	8.19624 (16063019) 3737031.95	8.14022	(16063019)	400082.79
3737031.95	400102.79	8.09137 (14031218) 3737031.95	8.19006	(14031218)	400122.79
3737031.95	400142.79	8.19549 (14031218) 3737031.95	8.26950	(16122324)	400162.79
3737031.95	400182.79	8.51361 (16122324) 3737031.95	8.68137	(16122324)	398682.79
3737051.95	398702.79	4.13822 (13053102) 3737051.95	4.17200	(13053102)	398722.79
3737051.95	398742.79	4.10542 (13053102) 3737051.95	4.28282	(15091504)	398762.79
3737051.95	398782.79	4.34211 (15091504) 3737051.95	4.38267	(15091504)	398802.79
3737051.95		4.42684 (15091504)			

398822.79	3737051.95	4.47242	(15091504)	398842.79
3737051.95	4.51438	(15091504)		
398862.79	3737051.95	4.56146	(15091504)	398882.79
3737051.95	4.60728	(12041103)		
398902.79	3737051.95	4.65964	(12041103)	398922.79
3737051.95	4.69717	(13122617)		
398942.79	3737051.95	4.75761	(13122617)	398962.79
3737051.95	4.82793	(14022805)		
398982.79	3737051.95	4.89288	(15091503)	399002.79
3737051.95	4.95587	(15091503)		
399022.79	3737051.95	5.00747	(15091503)	399042.79
3737051.95	5.05082	(15091503)		
399062.79	3737051.95	5.08244	(15091503)	399082.79
3737051.95	5.10383	(15091503)		
399102.79	3737051.95	5.13120	(12052324)	399122.79
3737051.95	5.24464	(12052324)		
399142.79	3737051.95	5.34494	(12052324)	399162.79
3737051.95	5.43219	(12052324)		
399182.79	3737051.95	5.50885	(12052324)	399202.79
3737051.95	5.56683	(12052324)		
399222.79	3737051.95	5.61456	(12052324)	399242.79
3737051.95	5.65968	(12052324)		
399262.79	3737051.95	5.71009	(14121617)	399282.79
3737051.95	5.81660	(14121617)		
399302.79	3737051.95	5.89526	(14121617)	399322.79
3737051.95	5.96559	(14121119)		
399342.79	3737051.95	6.06877	(14121119)	399362.79
3737051.95	6.14922	(14121119)		
399382.79	3737051.95	6.23443	(16051423)	399402.79
3737051.95	6.29689	(16051423)		
399422.79	3737051.95	6.34025	(16051423)	399442.79
3737051.95	6.36802	(14022703)		
399462.79	3737051.95	6.46540	(14022703)	399482.79
3737051.95	6.55692	(14022703)		

▲ *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399502.79	3737051.95	6.60608	(14022703)	399522.79
3737051.95	6.61419 (14022703)			
399542.79	3737051.95	6.59983	(14022703)	399562.79
3737051.95	6.61506 (16122323)			
399582.79	3737051.95	6.77398	(16122323)	399602.79
3737051.95	6.90888 (16122323)			
399622.79	3737051.95	7.01372	(16122323)	399642.79
3737051.95	7.08946 (16122323)			
399662.79	3737051.95	7.20720	(14121120)	399682.79
3737051.95	7.28820 (14121120)			
399702.79	3737051.95	7.32888	(14121120)	399722.79
3737051.95	7.32657 (14121120)			
399742.79	3737051.95	7.28469	(12031705)	399762.79
3737051.95	7.44478 (15060923)			
399782.79	3737051.95	7.58266	(15060923)	399802.79
3737051.95	7.66974 (15060923)			
399822.79	3737051.95	7.73005	(16062020)	399842.79
3737051.95	7.82788 (16062020)			
399862.79	3737051.95	7.92941	(12052319)	399882.79
3737051.95	8.02379 (12052319)			
399902.79	3737051.95	8.04792	(12052319)	399922.79
3737051.95	8.03029 (12052319)			
399942.79	3737051.95	8.08169	(15030118)	399962.79
3737051.95	8.16262 (15030118)			
399982.79	3737051.95	8.17969	(15030118)	400002.79
3737051.95	8.12987 (15030118)			
400022.79	3737051.95	8.00904	(15030118)	400042.79
3737051.95	8.01461 (16063019)			
400062.79	3737051.95	7.97635	(16063019)	400082.79
3737051.95	7.96655 (14031218)			
400102.79	3737051.95	8.02869	(14031218)	400122.79
3737051.95	8.03264 (14031218)			
400142.79	3737051.95	8.09600	(16122324)	400162.79
3737051.95	8.32532 (16122324)			
400182.79	3737051.95	8.48241	(16122324)	398682.79
3737071.95	4.12396 (13053102)			
398702.79	3737071.95	4.04039	(13053102)	398722.79
3737071.95	4.17472 (15091504)			
398742.79	3737071.95	4.26955	(15091504)	398762.79
3737071.95	4.30871 (15091504)			
398782.79	3737071.95	4.34720	(15091504)	398802.79
3737071.95	4.38592 (15091504)			
398822.79	3737071.95	4.42384	(15091504)	398842.79
3737071.95	4.45544 (15091504)			

398862.79	3737071.95	4.50624	(12041103)	398882.79
3737071.95	4.56315	(12041103)		
398902.79	3737071.95	4.61267	(12041103)	398922.79
3737071.95	4.66775	(14022805)		
398942.79	3737071.95	4.73376	(14022805)	398962.79
3737071.95	4.78961	(14022805)		
398982.79	3737071.95	4.85077	(14022805)	399002.79
3737071.95	4.89304	(15091503)		
399022.79	3737071.95	4.93130	(15091503)	399042.79
3737071.95	4.96184	(15091503)		
399062.79	3737071.95	4.98181	(15091503)	399082.79
3737071.95	5.04027	(13041201)		
399102.79	3737071.95	5.13116	(13041201)	399122.79
3737071.95	5.21676	(13041201)		
399142.79	3737071.95	5.30531	(12052324)	399162.79
3737071.95	5.38217	(12052324)		
399182.79	3737071.95	5.44319	(12052324)	399202.79
3737071.95	5.49983	(12052324)		
399222.79	3737071.95	5.53784	(12052324)	399242.79
3737071.95	5.57203	(14121617)		
399262.79	3737071.95	5.65701	(14121617)	399282.79
3737071.95	5.74261	(14121617)		
399302.79	3737071.95	5.81097	(14121119)	399322.79
3737071.95	5.90699	(14121119)		
399342.79	3737071.95	5.98633	(14121119)	399362.79
3737071.95	6.07613	(16051423)		
399382.79	3737071.95	6.14236	(16051423)	399402.79
3737071.95	6.18747	(16051423)		
399422.79	3737071.95	6.21185	(14022703)	399442.79
3737071.95	6.29788	(14022703)		
399462.79	3737071.95	6.39005	(14022703)	399482.79
3737071.95	6.45375	(14022703)		
399502.79	3737071.95	6.47707	(14022703)	399522.79
3737071.95	6.47588	(14121121)		
399542.79	3737071.95	6.45927	(14121121)	399562.79
3737071.95	6.57472	(16122323)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399582.79	3737071.95	6.70590	(16122323)	399602.79
3737071.95	6.81415	(16122323)		
399622.79	3737071.95	6.91625	(16122323)	399642.79
3737071.95	6.98118	(14121120)		
399662.79	3737071.95	7.07491	(14121120)	399682.79
3737071.95	7.13191	(14121120)		
399702.79	3737071.95	7.14949	(14121120)	399722.79
3737071.95	7.12562	(14121120)		
399742.79	3737071.95	7.20065	(12031705)	399762.79
3737071.95	7.35111	(15060923)		
399782.79	3737071.95	7.46382	(15060923)	399802.79
3737071.95	7.52925	(15060923)		
399822.79	3737071.95	7.57261	(16062020)	399842.79
3737071.95	7.65555	(16062020)		
399862.79	3737071.95	7.77978	(12052319)	399882.79
3737071.95	7.85100	(12052319)		
399902.79	3737071.95	7.86557	(12052319)	399922.79
3737071.95	7.81160	(12052319)		
399942.79	3737071.95	7.90377	(15030118)	399962.79
3737071.95	7.96219	(15030118)		
399982.79	3737071.95	7.97390	(15030118)	400002.79
3737071.95	7.90744	(15030118)		
400022.79	3737071.95	7.85076	(16063019)	400042.79
3737071.95	7.83681	(16063019)		
400062.79	3737071.95	7.80305	(16063019)	400082.79
3737071.95	7.82682	(14031218)		
400102.79	3737071.95	7.88473	(14031218)	400122.79
3737071.95	7.87349	(14031218)		
400142.79	3737071.95	7.92747	(16122324)	400162.79
3737071.95	8.14310	(16122324)		
400182.79	3737071.95	8.29030	(16122324)	398682.79
3737091.95	4.07376	(15091504)		
398702.79	3737091.95	4.00843	(15091504)	398722.79
3737091.95	4.18186	(15091504)		
398742.79	3737091.95	4.22922	(15091504)	398762.79
3737091.95	4.26491	(15091504)		
398782.79	3737091.95	4.31344	(15091504)	398802.79
3737091.95	4.34369	(15091504)		
398822.79	3737091.95	4.36760	(12041103)	398842.79
3737091.95	4.41980	(12041103)		
398862.79	3737091.95	4.47108	(12041103)	398882.79
3737091.95	4.51652	(12041103)		

3737091.95	398902.79	3737091.95	4.58034	(14022805)	398922.79
3737091.95	4.64060	(14022805)			
3737091.95	398942.79	3737091.95	4.69481	(14022805)	398962.79
3737091.95	4.74580	(14022805)			
3737091.95	398982.79	3737091.95	4.79171	(14022805)	399002.79
3737091.95	4.82239	(14022805)			
3737091.95	399022.79	3737091.95	4.84860	(15091503)	399042.79
3737091.95	4.86687	(15091503)			
3737091.95	399062.79	3737091.95	4.92633	(13041201)	399082.79
3737091.95	5.02868	(13041201)			
3737091.95	399102.79	3737091.95	5.11989	(13041201)	399122.79
3737091.95	5.19480	(13041201)			
3737091.95	399142.79	3737091.95	5.25174	(13041201)	399162.79
3737091.95	5.31484	(12052324)			
3737091.95	399182.79	3737091.95	5.37333	(12052324)	399202.79
3737091.95	5.41002	(12052324)			
3737091.95	399222.79	3737091.95	5.44216	(14121617)	399242.79
3737091.95	5.52054	(14121617)			
3737091.95	399262.79	3737091.95	5.59731	(14121617)	399282.79
3737091.95	5.67206	(13111502)			
3737091.95	399302.79	3737091.95	5.74399	(14121119)	399322.79
3737091.95	5.82600	(14121119)			
3737091.95	399342.79	3737091.95	5.92116	(16051423)	399362.79
3737091.95	5.98789	(16051423)			
3737091.95	399382.79	3737091.95	6.03494	(16051423)	399402.79
3737091.95	6.06557	(16051423)			
3737091.95	399422.79	3737091.95	6.13807	(14022703)	399442.79
3737091.95	6.22459	(14022703)			
3737091.95	399462.79	3737091.95	6.29044	(14022703)	399482.79
3737091.95	6.32692	(14022703)			
3737091.95	399502.79	3737091.95	6.34337	(14121121)	399522.79
3737091.95	6.34508	(14121121)			
3737091.95	399542.79	3737091.95	6.38606	(16122318)	399562.79
3737091.95	6.52207	(16122323)			
3737091.95	399582.79	3737091.95	6.62944	(16122323)	399602.79
3737091.95	6.74367	(16122323)			
3737091.95	399622.79	3737091.95	6.79229	(16122323)	399642.79
3737091.95	6.86935	(15101301)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 *** ***
 *** 10:15:03

PAGE 200

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF PM ₁₀ IN MICROGRAMS/M**3		
**				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399662.79	3737091.95	6.93529	(14121120)	399682.79
3737091.95	6.96980	(14121120)		
399702.79	3737091.95	6.96635	(14121120)	399722.79
3737091.95	6.98783	(12031705)		
399742.79	3737091.95	7.11714	(15060923)	399762.79
3737091.95	7.24925	(15060923)		
399782.79	3737091.95	7.33857	(15060923)	399802.79
3737091.95	7.38175	(15060923)		
399822.79	3737091.95	7.42459	(16062020)	399842.79
3737091.95	7.52571	(12052319)		
399862.79	3737091.95	7.62753	(12052319)	399882.79
3737091.95	7.67775	(12052319)		
399902.79	3737091.95	7.67364	(12052319)	399922.79
3737091.95	7.66312	(12052424)		
399942.79	3737091.95	7.75365	(12052424)	399962.79
3737091.95	7.78776	(12052424)		
399982.79	3737091.95	7.76792	(12052424)	400002.79
3737091.95	7.69148	(15030118)		
400022.79	3737091.95	7.68057	(16063019)	400042.79
3737091.95	7.68225	(16063019)		
400062.79	3737091.95	7.63234	(16063019)	400082.79
3737091.95	7.66233	(14031218)		
400102.79	3737091.95	7.73637	(14031218)	400122.79
3737091.95	7.71803	(14031218)		
400142.79	3737091.95	7.76372	(16122324)	400162.79
3737091.95	7.96672	(16122324)		
400182.79	3737091.95	8.10473	(16122324)	398682.79
3737111.95	3.96773	(15091504)		
398702.79	3737111.95	4.08988	(15091504)	398722.79
3737111.95	4.15749	(15091504)		
398742.79	3737111.95	4.18686	(15091504)	398762.79
3737111.95	4.22666	(15091504)		
398782.79	3737111.95	4.26407	(15091504)	398802.79
3737111.95	4.29636	(12041103)		
398822.79	3737111.95	4.34830	(12041103)	398842.79
3737111.95	4.38800	(12041103)		
398862.79	3737111.95	4.43001	(14022805)	398882.79
3737111.95	4.49196	(14022805)		
398902.79	3737111.95	4.54451	(14022805)	398922.79
3737111.95	4.59840	(14022805)		

3737111.95	398942.79	3737111.95	4.64509	(14022805)	398962.79
3737111.95	398982.79	3737111.95	4.72612	(14022805)	399002.79
3737111.95	399022.79	3737111.95	4.75634	(15091503)	399042.79
3737111.95	399062.79	3737111.95	4.92014	(13041201)	399082.79
3737111.95	399102.79	3737111.95	5.08199	(13041201)	399122.79
3737111.95	399142.79	3737111.95	5.21001	(13041201)	399162.79
3737111.95	399182.79	3737111.95	5.27286	(12052324)	399202.79
3737111.95	399222.79	3737111.95	5.38872	(14121617)	399242.79
3737111.95	399262.79	3737111.95	5.54742	(13111502)	399282.79
3737111.95	399302.79	3737111.95	5.67620	(14121119)	399322.79
3737111.95	399342.79	3737111.95	5.82654	(16051423)	399362.79
3737111.95	399382.79	3737111.95	5.92496	(16051423)	399402.79
3737111.95	399422.79	3737111.95	6.06525	(14022703)	399442.79
3737111.95	399462.79	3737111.95	6.18306	(14022703)	399482.79
3737111.95	399502.79	3737111.95	6.22332	(14121121)	399522.79
3737111.95	399542.79	3737111.95	6.34458	(16122323)	399562.79
3737111.95	399582.79	3737111.95	6.55957	(16122323)	399602.79
3737111.95	399622.79	3737111.95	6.69696	(15101301)	399642.79
3737111.95	399662.79	3737111.95	6.80378	(15101301)	399682.79
3737111.95	399702.79	3737111.95	6.78955	(14121120)	399722.79
3737111.95	6.91187	(12031705)			

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399742.79	3737111.95	7.03395	(15060923)	399762.79
3737111.95	7.14257	(15060923)		
399782.79	3737111.95	7.20806	(15060923)	399802.79
3737111.95	7.23087	(15060923)		
399822.79	3737111.95	7.27439	(16062020)	399842.79
3737111.95	7.39285	(12052319)		
399862.79	3737111.95	7.47367	(12052319)	399882.79
3737111.95	7.50476	(12052319)		
399902.79	3737111.95	7.48210	(12052319)	399922.79
3737111.95	7.53989	(12052424)		
399942.79	3737111.95	7.62081	(12052424)	399962.79
3737111.95	7.63880	(12052424)		
399982.79	3737111.95	7.59860	(12052424)	400002.79
3737111.95	7.47652	(16063019)		
400022.79	3737111.95	7.55173	(16063019)	400042.79
3737111.95	7.56201	(16063019)		
400062.79	3737111.95	7.48404	(16063019)	400082.79
3737111.95	7.53141	(14031218)		
400102.79	3737111.95	7.57038	(14031218)	400122.79
3737111.95	7.54831	(14031218)		
400142.79	3737111.95	7.60481	(16122324)	400162.79
3737111.95	7.79597	(16122324)		
400182.79	3737111.95	7.92553	(16122324)	398682.79
3737131.95	3.94195	(15091504)		
398702.79	3737131.95	4.08362	(15091504)	398722.79
3737131.95	4.11895	(15091504)		
398742.79	3737131.95	4.14112	(15091504)	398762.79
3737131.95	4.17026	(15091504)		
398782.79	3737131.95	4.21524	(12041103)	398802.79
3737131.95	4.26501	(12041103)		
398822.79	3737131.95	4.30761	(12041103)	398842.79
3737131.95	4.35325	(14022805)		
398862.79	3737131.95	4.40925	(14022805)	398882.79
3737131.95	4.46427	(14022805)		
398902.79	3737131.95	4.50970	(14022805)	398922.79
3737131.95	4.55338	(14022805)		
398942.79	3737131.95	4.58815	(14022805)	398962.79
3737131.95	4.62555	(14022805)		

398982.79	3737131.95	4.64371	(14022805)	399002.79
3737131.95	4.65217	(14022805)		
399022.79	3737131.95	4.73123	(13041201)	399042.79
3737131.95	4.82303	(13041201)		
399062.79	3737131.95	4.90104	(13041201)	399082.79
3737131.95	4.97407	(13041201)		
399102.79	3737131.95	5.03835	(13041201)	399122.79
3737131.95	5.09410	(13041201)		
399142.79	3737131.95	5.14161	(13041201)	399162.79
3737131.95	5.17355	(13041201)		
399182.79	3737131.95	5.18380	(13041201)	399202.79
3737131.95	5.25008	(13111502)		
399222.79	3737131.95	5.33705	(13111502)	399242.79
3737131.95	5.41776	(13111502)		
399262.79	3737131.95	5.48400	(13111502)	399282.79
3737131.95	5.53975	(14121119)		
399302.79	3737131.95	5.61524	(16051423)	399322.79
3737131.95	5.68312	(16051423)		
399342.79	3737131.95	5.73269	(16051423)	399362.79
3737131.95	5.76691	(16051423)		
399382.79	3737131.95	5.83712	(14022703)	399402.79
3737131.95	5.91182	(14022703)		
399422.79	3737131.95	5.98601	(14022703)	399442.79
3737131.95	6.02643	(14022703)		
399462.79	3737131.95	6.05912	(14121121)	399482.79
3737131.95	6.09304	(14121121)		
399502.79	3737131.95	6.09554	(14121121)	399522.79
3737131.95	6.18270	(16122318)		
399542.79	3737131.95	6.28666	(16122323)	399562.79
3737131.95	6.38628	(16122323)		
399582.79	3737131.95	6.47303	(16122323)	399602.79
3737131.95	6.52496	(15101301)		
399622.79	3737131.95	6.60784	(15101301)	399642.79
3737131.95	6.65822	(15101301)		
399662.79	3737131.95	6.67390	(15101301)	399682.79
3737131.95	6.65327	(15101301)		
399702.79	3737131.95	6.70009	(12031705)	399722.79
3737131.95	6.81812	(12031705)		
399742.79	3737131.95	6.94055	(15060923)	399762.79
3737131.95	7.02591	(15060923)		
399782.79	3737131.95	7.07331	(15060923)	399802.79
3737131.95	7.09017	(12042819)		

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▲ *** AERMOD - VERSION 19191 ***      *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                               ***      10/21/20
*** AERMET - VERSION 16216 ***      ***
***                                     ***      10:15:03

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VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***
 INCLUDING SOURCE(S): STCK1 ,

*** *** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399822.79	3737131.95	7.15064	(12052319)	399842.79
3737131.95	7.26250	(12052319)		
399862.79	3737131.95	7.31892	(12052319)	399882.79
3737131.95	7.33251	(12052319)		
399902.79	3737131.95	7.30713	(12052424)	399922.79
3737131.95	7.41593	(12052424)		
399942.79	3737131.95	7.47315	(12052424)	399962.79
3737131.95	7.47639	(12052424)		
399982.79	3737131.95	7.42421	(12052424)	400002.79
3737131.95	7.35718	(16063019)		
400022.79	3737131.95	7.42101	(16063019)	400042.79
3737131.95	7.40989	(16063019)		
400062.79	3737131.95	7.34168	(16063019)	400082.79
3737131.95	7.41943	(14031218)		
400102.79	3737131.95	7.43007	(14031218)	400122.79
3737131.95	7.38989	(14031218)		
400142.79	3737131.95	7.42456	(16122324)	400162.79
3737131.95	7.62404	(16122324)		
400182.79	3737131.95	7.75228	(16122324)	398682.79
3737151.95	3.98279	(15091504)		
398702.79	3737151.95	4.04635	(15091504)	398722.79
3737151.95	4.06337	(15091504)		
398742.79	3737151.95	4.08282	(15091504)	398762.79
3737151.95	4.12737	(12041103)		
398782.79	3737151.95	4.17816	(12041103)	398802.79
3737151.95	4.22575	(12041103)		
398822.79	3737151.95	4.27019	(14022805)	398842.79
3737151.95	4.33137	(14022805)		
398862.79	3737151.95	4.37578	(14022805)	398882.79
3737151.95	4.42122	(14022805)		
398902.79	3737151.95	4.45900	(14022805)	398922.79
3737151.95	4.49252	(14022805)		
398942.79	3737151.95	4.52279	(14022805)	398962.79
3737151.95	4.54309	(14022805)		
398982.79	3737151.95	4.54777	(14022805)	399002.79
3737151.95	4.63449	(13041201)		

399022.79	3737151.95	4.73063	(13041201)	399042.79
3737151.95	4.80974	(13041201)		
399062.79	3737151.95	4.87557	(13041201)	399082.79
3737151.95	4.93334	(13041201)		
399102.79	3737151.95	4.98891	(13041201)	399122.79
3737151.95	5.03364	(13041201)		
399142.79	3737151.95	5.05826	(13041201)	399162.79
3737151.95	5.08030	(13041201)		
399182.79	3737151.95	5.16310	(13111502)	399202.79
3737151.95	5.24193	(13111502)		
399222.79	3737151.95	5.29030	(13111502)	399242.79
3737151.95	5.34074	(13111502)		
399262.79	3737151.95	5.40424	(14121119)	399282.79
3737151.95	5.48832	(16051423)		
399302.79	3737151.95	5.55403	(16051423)	399322.79
3737151.95	5.60713	(16051423)		
399342.79	3737151.95	5.64538	(16051423)	399362.79
3737151.95	5.68921	(14022703)		
399382.79	3737151.95	5.76407	(14022703)	399402.79
3737151.95	5.83691	(14022703)		
399422.79	3737151.95	5.89649	(14022703)	399442.79
3737151.95	5.91944	(14121121)		
399462.79	3737151.95	5.94643	(14121121)	399482.79
3737151.95	5.96203	(14121121)		
399502.79	3737151.95	6.03185	(16122318)	399522.79
3737151.95	6.13430	(16122323)		
399542.79	3737151.95	6.23709	(16122323)	399562.79
3737151.95	6.31481	(16122323)		
399582.79	3737151.95	6.36534	(16122323)	399602.79
3737151.95	6.44715	(15101301)		
399622.79	3737151.95	6.51014	(15101301)	399642.79
3737151.95	6.54112	(15101301)		
399662.79	3737151.95	6.53833	(15101301)	399682.79
3737151.95	6.50027	(15101301)		
399702.79	3737151.95	6.62683	(12031705)	399722.79
3737151.95	6.73164	(15060923)		
399742.79	3737151.95	6.83775	(15060923)	399762.79
3737151.95	6.90643	(15060923)		
399782.79	3737151.95	6.93522	(15060923)	399802.79
3737151.95	6.96301	(12042819)		
399822.79	3737151.95	7.03259	(12052319)	399842.79
3737151.95	7.12013	(12052319)		
399862.79	3737151.95	7.16388	(12052319)	399882.79
3737151.95	7.16152	(12052319)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399902.79	3737151.95	7.19331	(12052424)	399922.79
3737151.95	7.28456 (12052424)			
399942.79	3737151.95	7.32617	(12052424)	399962.79
3737151.95	7.31601 (12052424)			
399982.79	3737151.95	7.24297	(12052424)	400002.79
3737151.95	7.24789 (16063019)			
400022.79	3737151.95	7.28123	(16063019)	400042.79
3737151.95	7.26068 (16063019)			
400062.79	3737151.95	7.21138	(14031218)	400082.79
3737151.95	7.28798 (14031218)			
400102.79	3737151.95	7.30918	(14031218)	400122.79
3737151.95	7.26201 (14031218)			
400142.79	3737151.95	7.27931	(16122324)	400162.79
3737151.95	7.47054 (16122324)			
400182.79	3737151.95	7.58488	(16122324)	398682.79
3737171.95	3.97014 (15091504)			
398702.79	3737171.95	3.99431	(15091504)	398722.79
3737171.95	4.01004 (12041103)			
398742.79	3737171.95	4.05146	(12041103)	398762.79
3737171.95	4.09172 (12041103)			
398782.79	3737171.95	4.13418	(12041103)	398802.79
3737171.95	4.19044 (14022805)			
398822.79	3737171.95	4.24392	(14022805)	398842.79
3737171.95	4.29380 (14022805)			
398862.79	3737171.95	4.33029	(14022805)	398882.79
3737171.95	4.36876 (14022805)			
398902.79	3737171.95	4.40155	(14022805)	398922.79
3737171.95	4.42652 (14022805)			
398942.79	3737171.95	4.44710	(14022805)	398962.79
3737171.95	4.45288 (13041201)			
398982.79	3737171.95	4.54084	(13041201)	399002.79
3737171.95	4.62849 (13041201)			
399022.79	3737171.95	4.71000	(13041201)	399042.79
3737171.95	4.77538 (13041201)			

3737171.95	399062.79	3737171.95	4.83556	(13041201)	399082.79
		4.88707	(13041201)		
3737171.95	399102.79	3737171.95	4.92722	(13041201)	399122.79
		4.95717	(13041201)		
3737171.95	399142.79	3737171.95	4.97010	(13041201)	399162.79
		5.04550	(13111502)		
3737171.95	399182.79	3737171.95	5.12627	(13111502)	399202.79
		5.19436	(13111502)		
3737171.95	399222.79	3737171.95	5.24736	(13111502)	399242.79
		5.27970	(13111502)		
3737171.95	399262.79	3737171.95	5.33630	(16051423)	399282.79
		5.41877	(16051423)		
3737171.95	399302.79	3737171.95	5.48351	(16051423)	399322.79
		5.51792	(16051423)		
3737171.95	399342.79	3737171.95	5.55287	(14022703)	399362.79
		5.62605	(14022703)		
3737171.95	399382.79	3737171.95	5.69253	(14022703)	399402.79
		5.75980	(14022703)		
3737171.95	399422.79	3737171.95	5.79857	(14121121)	399442.79
		5.82378	(14121121)		
3737171.95	399462.79	3737171.95	5.83606	(14121121)	399482.79
		5.85924	(16122318)		
3737171.95	399502.79	3737171.95	5.96611	(16122318)	399522.79
		6.06705	(16122323)		
3737171.95	399542.79	3737171.95	6.15831	(16122323)	399562.79
		6.21790	(16122323)		
3737171.95	399582.79	3737171.95	6.28670	(15101301)	399602.79
		6.36067	(15101301)		
3737171.95	399622.79	3737171.95	6.40503	(15101301)	399642.79
		6.41795	(15101301)		
3737171.95	399662.79	3737171.95	6.39800	(15101301)	399682.79
		6.43409	(12031705)		
3737171.95	399702.79	3737171.95	6.54626	(12031705)	399722.79
		6.64572	(15060923)		
3737171.95	399742.79	3737171.95	6.73275	(15060923)	399762.79
		6.78309	(15060923)		
3737171.95	399782.79	3737171.95	6.81465	(12042819)	399802.79
		6.82373	(12042819)		
3737171.95	399822.79	3737171.95	6.92332	(12052319)	399842.79
		6.98500	(12052319)		
3737171.95	399862.79	3737171.95	7.01069	(12052319)	399882.79
		6.99229	(12052319)		
3737171.95	399902.79	3737171.95	7.07798	(12052424)	399922.79
		7.15293	(12052424)		
3737171.95	399942.79	3737171.95	7.18016	(12052424)	399962.79
		7.15799	(12052424)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
399982.79	3737171.95	7.08071	(12052424)	400002.79
3737171.95	7.12107 (16063019)			
400022.79	3737171.95	7.14345	(16063019)	400042.79
3737171.95	7.11451 (16063019)			
400062.79	3737171.95	7.09203	(14031218)	400082.79
3737171.95	7.15888 (14031218)			
400102.79	3737171.95	7.17286	(14031218)	400122.79
3737171.95	7.13294 (14031218)			
400142.79	3737171.95	7.15482	(16122324)	400162.79
3737171.95	7.31545 (16122324)			
400182.79	3737171.95	7.42308	(16122324)	398682.79
3737191.95	3.92452 (15091504)			
398702.79	3737191.95	3.94652	(12041103)	398722.79
3737191.95	3.98209 (12041103)			
398742.79	3737191.95	4.01859	(12041103)	398762.79
3737191.95	4.05112 (14022805)			
398782.79	3737191.95	4.11383	(14022805)	398802.79
3737191.95	4.16429 (14022805)			
398822.79	3737191.95	4.21738	(14022805)	398842.79
3737191.95	4.25433 (14022805)			
398862.79	3737191.95	4.28401	(14022805)	398882.79
3737191.95	4.31492 (14022805)			
398902.79	3737191.95	4.33874	(14022805)	398922.79
3737191.95	4.35670 (14022805)			
398942.79	3737191.95	4.37600	(13041201)	398962.79
3737191.95	4.44974 (13041201)			
398982.79	3737191.95	4.52859	(13041201)	399002.79
3737191.95	4.60439 (13041201)			
399022.79	3737191.95	4.67397	(13041201)	399042.79
3737191.95	4.73072 (13041201)			
399062.79	3737191.95	4.78059	(13041201)	399082.79
3737191.95	4.81964 (13041201)			

3737191.95	399102.79	3737191.95	4.84854	(13041201)	399122.79
		4.86859	(13041201)		
3737191.95	399142.79	3737191.95	4.93700	(13111502)	399162.79
		5.00629	(13111502)		
3737191.95	399182.79	3737191.95	5.08524	(13111502)	399202.79
		5.14122	(13111502)		
3737191.95	399222.79	3737191.95	5.18372	(13111502)	399242.79
		5.22090	(16051423)		
3737191.95	399262.79	3737191.95	5.27800	(16051423)	399282.79
		5.33398	(16051423)		
3737191.95	399302.79	3737191.95	5.38257	(16051423)	399322.79
		5.42024	(15030121)		
3737191.95	399342.79	3737191.95	5.49690	(14022703)	399362.79
		5.55574	(14022703)		
3737191.95	399382.79	3737191.95	5.62500	(14022703)	399402.79
		5.67818	(14121121)		
3737191.95	399422.79	3737191.95	5.70517	(14121121)	399442.79
		5.72373	(14121121)		
3737191.95	399462.79	3737191.95	5.72299	(14121121)	399482.79
		5.82725	(16122318)		
3737191.95	399502.79	3737191.95	5.91419	(16122318)	399522.79
		6.00044	(16122323)		
3737191.95	399542.79	3737191.95	6.05968	(16122323)	399562.79
		6.12565	(15101301)		
3737191.95	399582.79	3737191.95	6.21060	(15101301)	399602.79
		6.26663	(15101301)		
3737191.95	399622.79	3737191.95	6.29350	(15101301)	399642.79
		6.28966	(15101301)		
3737191.95	399662.79	3737191.95	6.25392	(15101301)	399682.79
		6.36548	(12031705)		
3737191.95	399702.79	3737191.95	6.45938	(12031705)	399722.79
		6.55404	(15060923)		
3737191.95	399742.79	3737191.95	6.62317	(15060923)	399762.79
		6.65659	(15060923)		
3737191.95	399782.79	3737191.95	6.68652	(12042819)	399802.79
		6.69701	(12052319)		
3737191.95	399822.79	3737191.95	6.79896	(12052319)	399842.79
		6.84747	(12052319)		
3737191.95	399862.79	3737191.95	6.85989	(12052319)	399882.79
		6.86634	(12052424)		
3737191.95	399902.79	3737191.95	6.96258	(12052424)	399922.79
		7.02155	(12052424)		
3737191.95	399942.79	3737191.95	7.03565	(12052424)	399962.79
		6.99777	(12052424)		
3737191.95	399982.79	3737191.95	6.93520	(16063019)	400002.79
		6.99550	(16063019)		
3737191.95	400022.79	3737191.95	7.00787	(16063019)	400042.79
		6.97133	(16063019)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 ***
 *** 10:15:03

PAGE 205

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
400062.79	3737191.95	6.97433 (14031218)	400082.79
3737191.95	7.03227 (14031218)		
400102.79	3737191.95	7.03963 (14031218)	400122.79
3737191.95	6.99566 (14031218)		
400142.79	3737191.95	7.01349 (16122324)	400162.79
3737191.95	7.16527 (16122324)		
400182.79	3737191.95	7.26661 (16122324)	398682.79
3737211.95	3.88636 (12041103)		
398702.79	3737211.95	3.92147 (12041103)	398722.79
3737211.95	3.95495 (12041103)		
398742.79	3737211.95	3.99191 (14022805)	398762.79
3737211.95	4.03628 (14022805)		
398782.79	3737211.95	4.09075 (14022805)	398802.79
3737211.95	4.13614 (14022805)		
398822.79	3737211.95	4.17330 (14022805)	398842.79
3737211.95	4.20587 (14022805)		
398862.79	3737211.95	4.23235 (14022805)	398882.79
3737211.95	4.25034 (14022805)		
398902.79	3737211.95	4.26542 (14022805)	398922.79
3737211.95	4.29088 (13041201)		
398942.79	3737211.95	4.37194 (13041201)	398962.79
3737211.95	4.44532 (13041201)		
398982.79	3737211.95	4.50891 (13041201)	399002.79
3737211.95	4.56913 (13041201)		
399022.79	3737211.95	4.62162 (13041201)	399042.79
3737211.95	4.67246 (13041201)		
399062.79	3737211.95	4.72084 (13041201)	399082.79
3737211.95	4.74652 (13041201)		
399102.79	3737211.95	4.76561 (13041201)	399122.79
3737211.95	4.83781 (13111502)		

3737211.95	399142.79	3737211.95	4.91201	(13111502)	399162.79
3737211.95	399182.79	3737211.95	4.96494	(13111502)	399202.79
3737211.95	399222.79	3737211.95	5.02713	(13111502)	399242.79
3737211.95	399262.79	3737211.95	5.07630	(13111502)	399282.79
3737211.95	399302.79	3737211.95	5.11038	(16051423)	399322.79
3737211.95	399342.79	3737211.95	5.16036	(16051423)	399362.79
3737211.95	399382.79	3737211.95	5.21409	(16051423)	399402.79
3737211.95	399422.79	3737211.95	5.25622	(16051423)	399442.79
3737211.95	399462.79	3737211.95	5.29681	(15030121)	399482.79
3737211.95	399502.79	3737211.95	5.42375	(14022703)	399522.79
3737211.95	399542.79	3737211.95	5.48484	(14022703)	399562.79
3737211.95	399582.79	3737211.95	5.56130	(14121121)	399602.79
3737211.95	399622.79	3737211.95	5.60613	(14121121)	399642.79
3737211.95	399662.79	3737211.95	5.62570	(14121121)	399682.79
3737211.95	399702.79	3737211.95	5.62560	(14121121)	399722.79
3737211.95	399742.79	3737211.95	5.68690	(16122318)	399762.79
3737211.95	399782.79	3737211.95	5.77689	(16122318)	399802.79
3737211.95	399822.79	3737211.95	5.85228	(16122323)	399842.79
3737211.95	399862.79	3737211.95	5.92627	(16122323)	399882.79
3737211.95	399902.79	3737211.95	5.97518	(16122323)	399922.79
3737211.95	399942.79	3737211.95	6.05202	(15101301)	399962.79
3737211.95	400022.79	3737211.95	6.12691	(15101301)	400042.79
3737211.95	400062.79	3737211.95	6.16602	(15101301)	400082.79
3737211.95	400102.79	3737211.95	6.17657	(15101301)	400122.79
3737211.95	400142.79	3737211.95	6.15722	(15101301)	400162.79
3737211.95	400182.79	3737211.95	6.18376	(12031705)	400202.79
3737211.95	400222.79	3737211.95	6.29036	(12031705)	400242.79
3737211.95	400262.79	3737211.95	6.37220	(15060923)	400282.79
3737211.95	400302.79	3737211.95	6.45747	(15060923)	400322.79
3737211.95	400342.79	3737211.95	6.50991	(15060923)	400362.79
3737211.95	400382.79	3737211.95	6.54180	(12042819)	400402.79
3737211.95	400422.79	3737211.95	6.56218	(12042819)	400442.79
3737211.95	400462.79	3737211.95	6.58920	(12052319)	400482.79
3737211.95	400502.79	3737211.95	6.68265	(12052319)	400522.79
3737211.95	400542.79	3737211.95	6.71773	(12052319)	400562.79
3737211.95	400582.79	3737211.95	6.70207	(12052319)	400602.79
3737211.95	400622.79	3737211.95	6.75590	(12052424)	400642.79
3737211.95	400662.79	3737211.95	6.84439	(12052424)	400682.79
3737211.95	400702.79	3737211.95	6.89052	(12052424)	400722.79
3737211.95	400742.79	3737211.95	6.89268	(12052424)	400762.79
3737211.95	400782.79	3737211.95	6.84513	(12052424)	400802.79
3737211.95	400822.79	3737211.95	6.82219	(16063019)	400842.79
3737211.95	400862.79	3737211.95	6.87136	(16063019)	400882.79
3737211.95	400902.79	3737211.95	6.87461	(16063019)	400922.79
3737211.95	400942.79	3737211.95	6.83122	(16063019)	400962.79
3737211.95	400982.79	3737211.95	6.85839	(14031218)	401002.79
3737211.95	401022.79	3737211.95	6.90804	(14031218)	401042.79
3737211.95	401062.79	3737211.95	6.90940	(14031218)	401082.79
3737211.95	401102.79	3737211.95	6.86185	(14031218)	401122.79

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

PAGE 206

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
400142.79	3737211.95	6.87625	(16122324)	400162.79
3737211.95	7.01970 (16122324)			
400182.79	3737211.95	7.11520	(16122324)	398682.79
3737231.95	3.85188 (12041103)			
398702.79	3737231.95	3.88475	(12041103)	398722.79
3737231.95	3.92825 (12101805)			
398742.79	3737231.95	3.97201	(12101805)	398762.79
3737231.95	4.01019 (14022805)			
398782.79	3737231.95	4.05358	(14022805)	398802.79
3737231.95	4.09376 (14022805)			
398822.79	3737231.95	4.12526	(14022805)	398842.79
3737231.95	4.14906 (14022805)			
398862.79	3737231.95	4.16963	(14022805)	398882.79
3737231.95	4.18133 (14022805)			
398902.79	3737231.95	4.21619	(13041201)	398922.79
3737231.95	4.28879 (13041201)			
398942.79	3737231.95	4.35764	(13041201)	398962.79
3737231.95	4.42550 (13041201)			
398982.79	3737231.95	4.48715	(13041201)	399002.79
3737231.95	4.53315 (13041201)			
399022.79	3737231.95	4.57002	(13041201)	399042.79
3737231.95	4.61259 (13041201)			
399062.79	3737231.95	4.65147	(13041201)	399082.79
3737231.95	4.66611 (13041201)			
399102.79	3737231.95	4.73869	(13111502)	399122.79
3737231.95	4.80302 (13111502)			
399142.79	3737231.95	4.85858	(13111502)	399162.79
3737231.95	4.91699 (13111502)			

3737231.95	399182.79	3737231.95	4.96841	(13111502)	399202.79
3737231.95	399222.79	5.00446 (13111502)	5.06207	(16051423)	399242.79
3737231.95	399262.79	5.10875 (16051423)	5.14464	(16051423)	399282.79
3737231.95	399302.79	5.18519 (15030121)	5.24335	(14022703)	399322.79
3737231.95	399342.79	5.30341 (14022703)	5.35806	(14022703)	399362.79
3737231.95	399382.79	5.43835 (14121121)	5.48607	(14121121)	399402.79
3737231.95	399422.79	5.51790 (14121121)	5.52951	(14121121)	399442.79
3737231.95	399462.79	5.55485 (16122318)	5.64173	(16122318)	399482.79
3737231.95	399502.79	5.70906 (16122318)	5.78302	(16122323)	399522.79
3737231.95	399542.79	5.84142 (16122323)	5.91176	(15101301)	399562.79
3737231.95	399582.79	5.98658 (15101301)	6.03180	(15101301)	399602.79
3737231.95	399622.79	6.05105 (15101301)	6.05514	(15101301)	399642.79
3737231.95	399662.79	6.02154 (15101301)	6.11957	(12031705)	399682.79
3737231.95	399702.79	6.20958 (12031705)	6.28780	(15060923)	399722.79
3737231.95	399742.79	6.35666 (15060923)	6.39365	(15060923)	399762.79
3737231.95	399782.79	6.43010 (12042819)	6.43598	(12042819)	399802.79
3737231.95	399822.79	6.47920 (12052319)	6.53986	(12052319)	399842.79
3737231.95	399862.79	6.57850 (12052319)	6.55079	(12052319)	399882.79
3737231.95	399902.79	6.65270 (12052424)	6.72693	(12052424)	399922.79
3737231.95	399942.79	6.76039 (12052424)	6.74725	(12052424)	399962.79
3737231.95	399982.79	6.69273 (12052424)	6.70806	(16063019)	400002.79
3737231.95	400022.79	6.74886 (16063019)	6.74379	(16063019)	400042.79
3737231.95	400062.79	6.69418 (16063019)	6.74427	(14031218)	400082.79
3737231.95	400102.79	6.78631 (14031218)	6.78222	(14031218)	400122.79
3737231.95	400142.79	6.73146 (14031218)	6.74304	(16122324)	400162.79
3737231.95		6.87883 (16122324)			

400182.79 3737231.95 6.96875 (16122324) 398682.79
 3737251.95 3.81348 (12101805)
 *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 ***
 *** 10:15:03

PAGE 207

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398702.79	3737251.95	3.86028	(12101805)	398722.79
3737251.95	3.90403 (12101805)			
398742.79	3737251.95	3.95208	(12101805)	398762.79
3737251.95	3.98473 (12101805)			
398782.79	3737251.95	4.01152	(14022805)	398802.79
3737251.95	4.04621 (14022805)			
398822.79	3737251.95	4.06676	(14022805)	398842.79
3737251.95	4.08271 (14022805)			
398862.79	3737251.95	4.09749	(14022805)	398882.79
3737251.95	4.13588 (13041201)			
398902.79	3737251.95	4.20628	(13041201)	398922.79
3737251.95	4.27575 (13041201)			
398942.79	3737251.95	4.33708	(13041201)	398962.79
3737251.95	4.38750 (13041201)			
398982.79	3737251.95	4.44365	(13041201)	399002.79
3737251.95	4.49403 (13041201)			
399022.79	3737251.95	4.52522	(13041201)	399042.79
3737251.95	4.54966 (13041201)			
399062.79	3737251.95	4.57252	(13041201)	399082.79
3737251.95	4.63992 (13111502)			
399102.79	3737251.95	4.71149	(13111502)	399122.79
3737251.95	4.77030 (13111502)			
399142.79	3737251.95	4.82391	(13111502)	399162.79
3737251.95	4.87336 (13111502)			
399182.79	3737251.95	4.89766	(13111502)	399202.79
3737251.95	4.94538 (16051423)			

3737251.95	399222.79	3737251.95	5.00518	(16051423)	399242.79
3737251.95	399262.79	5.05029 (16051423)	5.09177	(15030121)	399282.79
3737251.95	399302.79	5.12663 (15030121)	5.18887	(14022703)	399322.79
3737251.95	399342.79	5.23709 (14022703)	5.30747	(14121121)	399362.79
3737251.95	399382.79	5.36734 (14121121)	5.40578	(14121121)	399402.79
3737251.95	399422.79	5.42277 (14121121)	5.42110	(14121121)	399442.79
3737251.95	399462.79	5.50891 (16122318)	5.58118	(16122318)	399482.79
3737251.95	399502.79	5.64200 (16122323)	5.70668	(16122323)	399522.79
3737251.95	399542.79	5.76417 (15101301)	5.84647	(15101301)	399562.79
3737251.95	399582.79	5.90572 (15101301)	5.92736	(15101301)	399602.79
3737251.95	399622.79	5.93492 (15101301)	5.92078	(15101301)	399642.79
3737251.95	399662.79	5.94824 (12031705)	6.04950	(12031705)	399682.79
3737251.95	399702.79	6.12389 (12031705)	6.19889	(15060923)	399722.79
3737251.95	399742.79	6.25254 (15060923)	6.28946	(12042819)	399762.79
3737251.95	399782.79	6.31593 (12042819)	6.30849	(12042819)	399802.79
3737251.95	399822.79	6.36768 (12052319)	6.41436	(12052319)	399842.79
3737251.95	399862.79	6.42591 (12052319)	6.45013	(12052424)	399882.79
3737251.95	399902.79	6.54853 (12052424)	6.60950	(12052424)	399922.79
3737251.95	399942.79	6.63129 (12052424)	6.61163	(12052424)	399962.79
3737251.95	399982.79	6.54926 (12052424)	6.59402	(16063019)	400002.79
3737251.95	400022.79	6.62806 (16063019)	6.61547	(16063019)	400042.79
3737251.95	400062.79	6.56029 (16063019)	6.63201	(14031218)	400082.79
3737251.95	400102.79	6.66707 (14031218)	6.65798	(14031218)	400122.79
3737251.95	400142.79	6.60441 (14031218)	6.61360	(16122324)	400162.79
3737251.95	400182.79	6.74220 (16122324)	6.82707	(16122324)	398682.79
3737271.95	3.80416	(12101805)			

398702.79 3737271.95 3.84207 (12101805) 398722.79
 3737271.95 3.87947 (12101805)
 398742.79 3737271.95 3.91957 (12101805) 398762.79
 3737271.95 3.94927 (12101805)

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398782.79	3737271.95	3.96253	(14022805)	398802.79
3737271.95	3.99146	(14022805)		
398822.79	3737271.95	4.00354	(14022805)	398842.79
3737271.95	4.00724	(14022805)		
398862.79	3737271.95	4.05070	(13041201)	398882.79
3737271.95	4.12235	(13041201)		
398902.79	3737271.95	4.19006	(13041201)	398922.79
3737271.95	4.25559	(13041201)		
398942.79	3737271.95	4.30984	(13041201)	398962.79
3737271.95	4.35345	(13041201)		
398982.79	3737271.95	4.39517	(13041201)	399002.79
3737271.95	4.43476	(13041201)		
399022.79	3737271.95	4.46373	(13041201)	399042.79
3737271.95	4.48107	(13041201)		
399062.79	3737271.95	4.53897	(13111502)	399082.79
3737271.95	4.60203	(13111502)		
399102.79	3737271.95	4.66845	(13111502)	399122.79
3737271.95	4.73040	(13111502)		
399142.79	3737271.95	4.77447	(13111502)	399162.79
3737271.95	4.80650	(13111502)		
399182.79	3737271.95	4.83919	(16051423)	399202.79
3737271.95	4.89613	(16051423)		
399222.79	3737271.95	4.94506	(15030121)	399242.79
3737271.95	4.99617	(15030121)		

399262.79	3737271.95	5.03345	(15030121)	399282.79
3737271.95	5.07439 (14022703)			
399302.79	3737271.95	5.12207	(14022703)	399322.79
3737271.95	5.17817 (14121121)			
399342.79	3737271.95	5.25138	(14121121)	399362.79
3737271.95	5.29509 (14121121)			
399382.79	3737271.95	5.31683	(14121121)	399402.79
3737271.95	5.32165 (14121121)			
399422.79	3737271.95	5.37864	(16122318)	399442.79
3737271.95	5.45508 (16122318)			
399462.79	3737271.95	5.51335	(16122318)	399482.79
3737271.95	5.57360 (16122323)			
399502.79	3737271.95	5.62407	(16122323)	399522.79
3737271.95	5.70709 (15101301)			
399542.79	3737271.95	5.77441	(15101301)	399562.79
3737271.95	5.81893 (15101301)			
399582.79	3737271.95	5.83099	(15101301)	399602.79
3737271.95	5.82485 (15101301)			
399622.79	3737271.95	5.80061	(15101301)	399642.79
3737271.95	5.88813 (12031705)			
399662.79	3737271.95	5.97438	(12031705)	399682.79
3737271.95	6.03787 (15060923)			
399702.79	3737271.95	6.10613	(15060923)	399722.79
3737271.95	6.14560 (15060923)			
399742.79	3737271.95	6.18695	(12042819)	399762.79
3737271.95	6.19996 (12042819)			
399782.79	3737271.95	6.19052	(12052319)	399802.79
3737271.95	6.25504 (12052319)			
399822.79	3737271.95	6.28881	(12052319)	399842.79
3737271.95	6.29456 (15030119)			
399862.79	3737271.95	6.35858	(12052424)	399882.79
3737271.95	6.44363 (12052424)			
399902.79	3737271.95	6.49245	(12052424)	399922.79
3737271.95	6.50339 (12052424)			
399942.79	3737271.95	6.47548	(12052424)	399962.79
3737271.95	6.42810 (16063019)			
399982.79	3737271.95	6.48735	(16063019)	400002.79
3737271.95	6.50906 (16063019)			
400022.79	3737271.95	6.48959	(16063019)	400042.79
3737271.95	6.45194 (14031218)			
400062.79	3737271.95	6.52168	(14031218)	400082.79
3737271.95	6.55031 (14031218)			
400102.79	3737271.95	6.53668	(14031218)	400122.79
3737271.95	6.48060 (14031218)			
400142.79	3737271.95	6.48786	(16122324)	400162.79
3737271.95	6.60974 (16122324)			
400182.79	3737271.95	6.69760	(16122324)	398682.79
3737291.95	3.78680 (12101805)			
398702.79	3737291.95	3.81630	(12101805)	398722.79
3737291.95	3.84899 (12101805)			

3737291.95	398742.79	3737291.95	3.88086	(12101805)	398762.79
		3.90429		(12101805)	
3737291.95	398782.79	3737291.95	3.90958	(12101805)	398802.79
		3.92940		(14022805)	
3737291.95	398822.79	3737291.95	3.93362	(14022805)	398842.79
		3.97907		(13041201)	

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398862.79	3737291.95	4.04386	(13041201)	398882.79
3737291.95	4.10394	(13041201)		
398902.79	3737291.95	4.16283	(13041201)	398922.79
3737291.95	4.22101	(13041201)		
398942.79	3737291.95	4.27333	(13041201)	398962.79
3737291.95	4.31474	(13041201)		
398982.79	3737291.95	4.34604	(13041201)	399002.79
3737291.95	4.37327	(13041201)		
399022.79	3737291.95	4.39047	(13050504)	399042.79
3737291.95	4.44985	(13111502)		
399062.79	3737291.95	4.50927	(13111502)	399082.79
3737291.95	4.56496	(13111502)		
399102.79	3737291.95	4.62839	(13111502)	399122.79
3737291.95	4.67958	(13111502)		
399142.79	3737291.95	4.71238	(13111502)	399162.79
3737291.95	4.73698	(13111502)		
399182.79	3737291.95	4.78892	(16051423)	399202.79
3737291.95	4.84200	(15030121)		
399222.79	3737291.95	4.89478	(15030121)	399242.79
3737291.95	4.93510	(15030121)		
399262.79	3737291.95	4.95945	(14022703)	399282.79
3737291.95	5.01542	(14022703)		

399302.79	3737291.95	5.06647	(14121121)	399322.79
3737291.95	5.14329 (14121121)			
399342.79	3737291.95	5.17963	(14121121)	399362.79
3737291.95	5.21192 (14121121)			
399382.79	3737291.95	5.22315	(14121121)	399402.79
3737291.95	5.25106 (16122318)			
399422.79	3737291.95	5.33098	(16122318)	399442.79
3737291.95	5.39408 (16122318)			
399462.79	3737291.95	5.44233	(16122323)	399482.79
3737291.95	5.49895 (16122323)			
399502.79	3737291.95	5.56888	(15101301)	399522.79
3737291.95	5.64328 (15101301)			
399542.79	3737291.95	5.69637	(15101301)	399562.79
3737291.95	5.72689 (15101301)			
399582.79	3737291.95	5.72722	(15101301)	399602.79
3737291.95	5.70979 (15101301)			
399622.79	3737291.95	5.72629	(12031705)	399642.79
3737291.95	5.82271 (12031705)			
399662.79	3737291.95	5.89459	(12031705)	399682.79
3737291.95	5.95590 (15060923)			
399702.79	3737291.95	6.01030	(15060923)	399722.79
3737291.95	6.05090 (12042819)			
399742.79	3737291.95	6.08216	(12042819)	399762.79
3737291.95	6.08271 (12042819)			
399782.79	3737291.95	6.08862	(12052319)	399802.79
3737291.95	6.14168 (12052319)			
399822.79	3737291.95	6.16340	(12052319)	399842.79
3737291.95	6.19918 (15030119)			
399862.79	3737291.95	6.26580	(12052424)	399882.79
3737291.95	6.33839 (12052424)			
399902.79	3737291.95	6.37592	(12052424)	399922.79
3737291.95	6.37684 (12052424)			
399942.79	3737291.95	6.34083	(12052424)	399962.79
3737291.95	6.33007 (16063019)			
399982.79	3737291.95	6.37907	(16063019)	400002.79
3737291.95	6.39197 (16063019)			
400022.79	3737291.95	6.36624	(16063019)	400042.79
3737291.95	6.35121 (14031218)			
400062.79	3737291.95	6.41338	(14031218)	400082.79
3737291.95	6.43602 (14031218)			
400102.79	3737291.95	6.41827	(14031218)	400122.79
3737291.95	6.36004 (14031218)			
400142.79	3737291.95	6.36572	(16122324)	400162.79
3737291.95	6.48131 (16122324)			
400182.79	3737291.95	6.56774	(16122324)	398682.79
3737311.95	3.76141 (12101805)			
398702.79	3737311.95	3.78571	(12101805)	398722.79
3737311.95	3.81453 (12101805)			
398742.79	3737311.95	3.84512	(12101805)	398762.79
3737311.95	3.85366 (12101805)			

398782.79	3737311.95	3.85264	(12101805)	398802.79
3737311.95	3.86288	(12101805)		
398822.79	3737311.95	3.91821	(14072503)	398842.79
3737311.95	3.97541	(13041201)		
398862.79	3737311.95	4.03096	(13041201)	398882.79
3737311.95	4.08382	(13041201)		
398902.79	3737311.95	4.13122	(13041201)	398922.79
3737311.95	4.17490	(13041201)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398942.79	3737311.95	4.21897	(13041201)	398962.79
3737311.95	4.26168	(13041201)		
398982.79	3737311.95	4.28691	(13041201)	399002.79
3737311.95	4.31406	(13050504)		
399022.79	3737311.95	4.36996	(13050504)	399042.79
3737311.95	4.42420	(13111502)		
399062.79	3737311.95	4.47848	(13111502)	399082.79
3737311.95	4.53572	(13111502)		
399102.79	3737311.95	4.58529	(13111502)	399122.79
3737311.95	4.61960	(13111502)		
399142.79	3737311.95	4.64105	(13111502)	399162.79
3737311.95	4.67885	(16051423)		
399182.79	3737311.95	4.73452	(15030121)	399202.79
3737311.95	4.79516	(15030121)		
399222.79	3737311.95	4.83455	(15030121)	399242.79
3737311.95	4.86391	(15030121)		
399262.79	3737311.95	4.90911	(14022703)	399282.79
3737311.95	4.95868	(14121121)		
399302.79	3737311.95	5.02833	(14121121)	399322.79
3737311.95	5.07749	(14121121)		

3737311.95	399342.79	3737311.95	5.11104	(14121121)	399362.79
3737311.95	399382.79	3737311.95	5.12099	(16122318)	399402.79
3737311.95	399422.79	3737311.95	5.27635	(16122318)	399442.79
3737311.95	399462.79	3737311.95	5.37504	(16122323)	399482.79
3737311.95	399502.79	3737311.95	5.51264	(15101301)	399522.79
3737311.95	399542.79	3737311.95	5.61306	(15101301)	399562.79
3737311.95	399582.79	3737311.95	5.62462	(15101301)	399602.79
3737311.95	399622.79	3737311.95	5.66988	(12031705)	399642.79
3737311.95	399662.79	3737311.95	5.81093	(12031705)	399682.79
3737311.95	399702.79	3737311.95	5.91168	(15060923)	399722.79
3737311.95	399742.79	3737311.95	5.97556	(12042819)	399762.79
3737311.95	399782.79	3737311.95	5.98705	(12052319)	399802.79
3737311.95	399822.79	3737311.95	6.05499	(15030119)	399842.79
3737311.95	399862.79	3737311.95	6.17208	(12052424)	399882.79
3737311.95	399902.79	3737311.95	6.26014	(12052424)	399922.79
3737311.95	399942.79	3737311.95	6.21803	(12052424)	399962.79
3737311.95	399982.79	3737311.95	6.28167	(16063019)	400002.79
3737311.95	400022.79	3737311.95	6.24537	(16063019)	400042.79
3737311.95	400062.79	3737311.95	6.30707	(14031218)	400082.79
3737311.95	400102.79	3737311.95	6.30277	(14031218)	400122.79
3737311.95	400142.79	3737311.95	6.24706	(16122324)	400162.79
3737311.95	400182.79	3737311.95	6.43130	(16122324)	398682.79
3737331.95	398702.79	3737331.95	3.75401	(12101805)	398722.79
3737331.95	398742.79	3737331.95	3.79311	(12101805)	398762.79
3737331.95	398782.79	3737331.95	3.79673	(12101805)	398802.79
3737331.95		3737331.95	3.85397	(14072503)	

398822.79	3737331.95	3.91692	(14072503)	398842.79
3737331.95	3.97231	(14072503)		
398862.79	3737331.95	4.01527	(13041201)	398882.79
3737331.95	4.05696	(13041201)		
398902.79	3737331.95	4.09804	(13041201)	398922.79
3737331.95	4.13412	(13041201)		
398942.79	3737331.95	4.16301	(13041201)	398962.79
3737331.95	4.19164	(13041201)		
398982.79	3737331.95	4.23312	(13050504)	399002.79
3737331.95	4.28860	(13050504)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399022.79	3737331.95	4.34570	(13111502)	399042.79
3737331.95	4.39957	(13111502)		
399062.79	3737331.95	4.44464	(13111502)	399082.79
3737331.95	4.49569	(13111502)		
399102.79	3737331.95	4.53138	(13111502)	399122.79
3737331.95	4.55803	(13111502)		
399142.79	3737331.95	4.58149	(16051423)	399162.79
3737331.95	4.62479	(15030121)		
399182.79	3737331.95	4.67933	(15030121)	399202.79
3737331.95	4.72586	(15030121)		
399222.79	3737331.95	4.76924	(15030121)	399242.79
3737331.95	4.80173	(14022703)		
399262.79	3737331.95	4.85466	(14121121)	399282.79
3737331.95	4.91072	(14121121)		
399302.79	3737331.95	4.97093	(14121121)	399322.79
3737331.95	5.01132	(14121121)		
399342.79	3737331.95	5.02754	(14121121)	399362.79
3737331.95	5.02839	(14121121)		

399382.79	3737331.95	5.07347	(16122318)	399402.79
3737331.95	5.14621 (16122318)			
399422.79	3737331.95	5.21235	(16122318)	399442.79
3737331.95	5.25343 (16122318)			
399462.79	3737331.95	5.30221	(16122323)	399482.79
3737331.95	5.38315 (15101301)			
399502.79	3737331.95	5.45047	(15101301)	399522.79
3737331.95	5.49821 (15101301)			
399542.79	3737331.95	5.52518	(15101301)	399562.79
3737331.95	5.53025 (15101301)			
399582.79	3737331.95	5.51268	(15101301)	399602.79
3737331.95	5.52118 (12031705)			
399622.79	3737331.95	5.60884	(12031705)	399642.79
3737331.95	5.67827 (12031705)			
399662.79	3737331.95	5.72716	(15060923)	399682.79
3737331.95	5.78177 (15060923)			
399702.79	3737331.95	5.82523	(12042819)	399722.79
3737331.95	5.86021 (12042819)			
399742.79	3737331.95	5.86755	(12042819)	399762.79
3737331.95	5.84615 (12042819)			
399782.79	3737331.95	5.88469	(12052319)	399802.79
3737331.95	5.91437 (12052319)			
399822.79	3737331.95	5.96883	(15030119)	399842.79
3737331.95	6.00539 (15030119)			
399862.79	3737331.95	6.07785	(12052424)	399882.79
3737331.95	6.12798 (12052424)			
399902.79	3737331.95	6.15761	(12052424)	399922.79
3737331.95	6.13575 (12052424)			
399942.79	3737331.95	6.09792	(12052424)	399962.79
3737331.95	6.15205 (16063019)			
399982.79	3737331.95	6.17705	(16063019)	400002.79
3737331.95	6.16363 (16063019)			
400022.79	3737331.95	6.13695	(16063019)	400042.79
3737331.95	6.15562 (14031218)			
400062.79	3737331.95	6.20259	(14031218)	400082.79
3737331.95	6.21481 (14031218)			
400102.79	3737331.95	6.19000	(14031218)	400122.79
3737331.95	6.12821 (14031218)			
400142.79	3737331.95	6.13509	(15061619)	400162.79
3737331.95	6.23590 (16122324)			
400182.79	3737331.95	6.30354	(16122324)	398682.79
3737351.95	3.69295 (12101805)			
398702.79	3737351.95	3.71230	(12101805)	398722.79
3737351.95	3.73080 (12101805)			
398742.79	3737351.95	3.73773	(12101805)	398762.79
3737351.95	3.74735 (14072503)			
398782.79	3737351.95	3.80798	(14072503)	398802.79
3737351.95	3.86450 (14072503)			
398822.79	3737351.95	3.90716	(14072503)	398842.79
3737351.95	3.95443 (14072503)			

398862.79	3737351.95	3.99236	(14072503)	398882.79
3737351.95	4.03113 (13041201)			
398902.79	3737351.95	4.06031	(13041201)	398922.79
3737351.95	4.08691 (13041201)			
398942.79	3737351.95	4.10791	(13041201)	398962.79
3737351.95	4.15775 (13050504)			
398982.79	3737351.95	4.21513	(13050504)	399002.79
3737351.95	4.26289 (13111502)			
399022.79	3737351.95	4.31451	(13111502)	399042.79
3737351.95	4.36641 (13111502)			
399062.79	3737351.95	4.41635	(13111502)	399082.79
3737351.95	4.44610 (13111502)			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399102.79	3737351.95	4.47186	(13111502)	399122.79
3737351.95	4.48676 (16051423)			
399142.79	3737351.95	4.53783	(15030121)	399162.79
3737351.95	4.58743 (15030121)			
399182.79	3737351.95	4.63123	(15030121)	399202.79
3737351.95	4.66290 (15030121)			
399222.79	3737351.95	4.69786	(14022703)	399242.79
3737351.95	4.75471 (14121121)			
399262.79	3737351.95	4.81027	(14121121)	399282.79
3737351.95	4.86689 (14121121)			
399302.79	3737351.95	4.89793	(14121121)	399322.79
3737351.95	4.92249 (14121121)			
399342.79	3737351.95	4.93429	(14121121)	399362.79
3737351.95	4.95603 (16122318)			
399382.79	3737351.95	5.02708	(16122318)	399402.79
3737351.95	5.08690 (16122318)			

399422.79	3737351.95	5.13104	(16122318)	399442.79
3737351.95	5.17783	(16122323)		
399462.79	3737351.95	5.25506	(15101301)	399482.79
3737351.95	5.32805	(15101301)		
399502.79	3737351.95	5.38285	(15101301)	399522.79
3737351.95	5.41826	(15101301)		
399542.79	3737351.95	5.43329	(15101301)	399562.79
3737351.95	5.42695	(15101301)		
399582.79	3737351.95	5.39858	(15101301)	399602.79
3737351.95	5.46426	(12031705)		
399622.79	3737351.95	5.54334	(12031705)	399642.79
3737351.95	5.60045	(12031705)		
399662.79	3737351.95	5.64819	(15060923)	399682.79
3737351.95	5.69286	(15060923)		
399702.79	3737351.95	5.73847	(12042819)	399722.79
3737351.95	5.76199	(12042819)		
399742.79	3737351.95	5.75858	(12042819)	399762.79
3737351.95	5.73512	(12052319)		
399782.79	3737351.95	5.78176	(12052319)	399802.79
3737351.95	5.82556	(15030119)		
399822.79	3737351.95	5.88144	(15030119)	399842.79
3737351.95	5.91277	(12052424)		
399862.79	3737351.95	5.98328	(12052424)	399882.79
3737351.95	6.03773	(12052424)		
399902.79	3737351.95	6.06694	(12052424)	399922.79
3737351.95	6.02394	(12052424)		
399942.79	3737351.95	5.98700	(16063019)	399962.79
3737351.95	6.05336	(16063019)		
399982.79	3737351.95	6.07556	(16063019)	400002.79
3737351.95	6.05960	(16063019)		
400022.79	3737351.95	6.02201	(16063019)	400042.79
3737351.95	6.07038	(14031218)		
400062.79	3737351.95	6.10194	(14031218)	400082.79
3737351.95	6.11673	(14031218)		
400102.79	3737351.95	6.08383	(14031218)	400122.79
3737351.95	6.01885	(14031218)		
400142.79	3737351.95	6.04052	(15061619)	400162.79
3737351.95	6.13568	(16122324)		
400182.79	3737351.95	6.19761	(16122324)	398682.79
3737371.95	3.64772	(12101805)		
398702.79	3737371.95	3.66453	(12101805)	398722.79
3737371.95	3.66904	(12101805)		
398742.79	3737371.95	3.69135	(14072503)	398762.79
3737371.95	3.75148	(14072503)		
398782.79	3737371.95	3.80651	(14072503)	398802.79
3737371.95	3.85719	(14072503)		
398822.79	3737371.95	3.90311	(14072503)	398842.79
3737371.95	3.93877	(14072503)		
398862.79	3737371.95	3.96429	(14072503)	398882.79
3737371.95	3.99952	(14072503)		

3737371.95	398902.79	3737371.95	4.02099	(13041201)	398922.79
		4.03817 (13041201)			
3737371.95	398942.79	3737371.95	4.07752	(13050504)	398962.79
		4.14225 (13050504)			
3737371.95	398982.79	3737371.95	4.18599	(13050504)	399002.79
		4.23825 (13111502)			
3737371.95	399022.79	3737371.95	4.27901	(13111502)	399042.79
		4.33255 (13111502)			
3737371.95	399062.79	3737371.95	4.36692	(13111502)	399082.79
		4.39186 (13111502)			
3737371.95	399102.79	3737371.95	4.40304	(13111502)	399122.79
		4.45436 (15030121)			
3737371.95	399142.79	3737371.95	4.49666	(15030121)	399162.79
		4.54197 (15030121)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
3737371.95	399182.79	3737371.95	4.57676 (15030121)	399202.79
		4.60508 (15030121)		
3737371.95	399222.79	3737371.95	4.65909 (14121121)	399242.79
		4.71170 (14121121)		
3737371.95	399262.79	3737371.95	4.76879 (14121121)	399282.79
		4.80951 (14121121)		
3737371.95	399302.79	3737371.95	4.83439 (14121121)	399322.79
		4.84512 (14121121)		
3737371.95	399342.79	3737371.95	4.84013 (16122318)	399362.79
		4.91481 (16122318)		
3737371.95	399382.79	3737371.95	4.97640 (16122318)	399402.79
		5.02443 (16122318)		
3737371.95	399422.79	3737371.95	5.05690 (16010317)	399442.79
		5.12873 (15101301)		

399462.79	3737371.95	5.20658	(15101301)	399482.79
3737371.95	5.26750	(15101301)		
399502.79	3737371.95	5.31045	(15101301)	399522.79
3737371.95	5.33426	(15101301)		
399542.79	3737371.95	5.33798	(15101301)	399562.79
3737371.95	5.32098	(15101301)		
399582.79	3737371.95	5.31972	(12031705)	399602.79
3737371.95	5.40707	(12031705)		
399622.79	3737371.95	5.47406	(12031705)	399642.79
3737371.95	5.51945	(12031705)		
399662.79	3737371.95	5.56636	(15060923)	399682.79
3737371.95	5.61175	(12042819)		
399702.79	3737371.95	5.65149	(12042819)	399722.79
3737371.95	5.66232	(12042819)		
399742.79	3737371.95	5.64905	(12042819)	399762.79
3737371.95	5.64234	(12052319)		
399782.79	3737371.95	5.67850	(12052319)	399802.79
3737371.95	5.74767	(15030119)		
399822.79	3737371.95	5.79318	(15030119)	399842.79
3737371.95	5.82845	(12052424)		
399862.79	3737371.95	5.88846	(12052424)	399882.79
3737371.95	5.93892	(12052424)		
399902.79	3737371.95	5.95256	(12052424)	399922.79
3737371.95	5.91519	(12052424)		
399942.79	3737371.95	5.90998	(16063019)	399962.79
3737371.95	5.96033	(16063019)		
399982.79	3737371.95	5.96901	(16063019)	400002.79
3737371.95	5.95567	(16063019)		
400022.79	3737371.95	5.90725	(16063019)	400042.79
3737371.95	5.97123	(14031218)		
400062.79	3737371.95	6.01524	(14031218)	400082.79
3737371.95	6.00978	(14031218)		
400102.79	3737371.95	5.98489	(14031218)	400122.79
3737371.95	5.91322	(14031218)		
400142.79	3737371.95	5.94979	(15061619)	400162.79
3737371.95	6.03250	(16122324)		
400182.79	3737371.95	6.09964	(16122324)	398682.79
3737391.95	3.60038	(12101805)		
398702.79	3737391.95	3.60938	(12101805)	398722.79
3737391.95	3.63584	(14072503)		
398742.79	3737391.95	3.69431	(14072503)	398762.79
3737391.95	3.74786	(14072503)		
398782.79	3737391.95	3.79683	(14072503)	398802.79
3737391.95	3.84122	(14072503)		
398822.79	3737391.95	3.88064	(14072503)	398842.79
3737391.95	3.91471	(14072503)		
398862.79	3737391.95	3.92640	(14072503)	398882.79
3737391.95	3.94887	(14072503)		
398902.79	3737391.95	3.96759	(14072503)	398922.79
3737391.95	4.02076	(13050504)		

398942.79	3737391.95	4.06577	(13050504)	398962.79
3737391.95	4.11206 (13050504)			
398982.79	3737391.95	4.15764	(13111502)	399002.79
3737391.95	4.20816 (13111502)			
399022.79	3737391.95	4.24345	(13111502)	399042.79
3737391.95	4.28506 (13111502)			
399062.79	3737391.95	4.30953	(13111502)	399082.79
3737391.95	4.32691 (13111502)			
399102.79	3737391.95	4.37372	(15030121)	399122.79
3737391.95	4.41234 (15030121)			
399142.79	3737391.95	4.45461	(15030121)	399162.79
3737391.95	4.48860 (15030121)			
399182.79	3737391.95	4.51558	(15030121)	399202.79
3737391.95	4.56081 (14121121)			
399222.79	3737391.95	4.61875	(14121121)	399242.79
3737391.95	4.66869 (14121121)			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399262.79	3737391.95	4.72191	(14121121)	399282.79
3737391.95	4.75034 (14121121)			
399302.79	3737391.95	4.76349	(14121121)	399322.79
3737391.95	4.76310 (14121121)			
399342.79	3737391.95	4.80631	(16122318)	399362.79
3737391.95	4.86934 (16122318)			
399382.79	3737391.95	4.91969	(16122318)	399402.79
3737391.95	4.95755 (16122318)			
399422.79	3737391.95	5.00225	(16010317)	399442.79
3737391.95	5.08627 (15101301)			
399462.79	3737391.95	5.15264	(15101301)	399482.79
3737391.95	5.20221 (15101301)			

399502.79	3737391.95	5.23384	(15101301)	399522.79
3737391.95	5.24666 (15101301)			
399542.79	3737391.95	5.23992	(15101301)	399562.79
3737391.95	5.21501 (16091918)			
399582.79	3737391.95	5.27167	(13050519)	399602.79
3737391.95	5.34699 (13050519)			
399622.79	3737391.95	5.40200	(13050519)	399642.79
3737391.95	5.43986 (15060923)			
399662.79	3737391.95	5.49355	(15060923)	399682.79
3737391.95	5.53649 (12042819)			
399702.79	3737391.95	5.56363	(12042819)	399722.79
3737391.95	5.56175 (12042819)			
399742.79	3737391.95	5.53924	(12042819)	399762.79
3737391.95	5.54885 (12052319)			
399782.79	3737391.95	5.60604	(15030119)	399802.79
3737391.95	5.66837 (15030119)			
399822.79	3737391.95	5.70417	(15030119)	399842.79
3737391.95	5.74344 (12052424)			
399862.79	3737391.95	5.82632	(12052424)	399882.79
3737391.95	5.85122 (12052424)			
399902.79	3737391.95	5.84596	(12052424)	399922.79
3737391.95	5.80742 (12052424)			
399942.79	3737391.95	5.82560	(16063019)	399962.79
3737391.95	5.86756 (16063019)			
399982.79	3737391.95	5.86655	(16063019)	400002.79
3737391.95	5.84129 (16063019)			
400022.79	3737391.95	5.81716	(14031218)	400042.79
3737391.95	5.88816 (14031218)			
400062.79	3737391.95	5.91547	(14031218)	400082.79
3737391.95	5.90917 (14031218)			
400102.79	3737391.95	5.88235	(14031218)	400122.79
3737391.95	5.82257 (13052819)			
400142.79	3737391.95	5.85365	(15061619)	400162.79
3737391.95	5.93801 (16122324)			
400182.79	3737391.95	6.01245	(16122324)	398682.79
3737411.95	3.54598 (12101805)			
398702.79	3737411.95	3.57765	(14072503)	398722.79
3737411.95	3.63918 (14072503)			
398742.79	3737411.95	3.69058	(14072503)	398762.79
3737411.95	3.73791 (14072503)			
398782.79	3737411.95	3.78083	(14072503)	398802.79
3737411.95	3.81896 (14072503)			
398822.79	3737411.95	3.85074	(14072503)	398842.79
3737411.95	3.86707 (14072503)			
398862.79	3737411.95	3.88560	(14072503)	398882.79
3737411.95	3.89918 (14072503)			
398902.79	3737411.95	3.94153	(13050504)	398922.79
3737411.95	3.99071 (13050504)			
398942.79	3737411.95	4.04018	(13050504)	398962.79
3737411.95	4.08054 (13111502)			

398982.79	3737411.95	4.12464	(13111502)	399002.79
3737411.95	4.16739	(13111502)		
399022.79	3737411.95	4.19758	(13111502)	399042.79
3737411.95	4.22723	(13111502)		
399062.79	3737411.95	4.24522	(13111502)	399082.79
3737411.95	4.28938	(15030121)		
399102.79	3737411.95	4.33225	(15030121)	399122.79
3737411.95	4.37168	(15030121)		
399142.79	3737411.95	4.40704	(15030121)	399162.79
3737411.95	4.43321	(15030121)		
399182.79	3737411.95	4.46477	(14121121)	399202.79
3737411.95	4.52218	(14121121)		
399222.79	3737411.95	4.57567	(14121121)	399242.79
3737411.95	4.62893	(14121121)		
399262.79	3737411.95	4.66044	(14121121)	399282.79
3737411.95	4.67936	(14121121)		
399302.79	3737411.95	4.68553	(14121121)	399322.79
3737411.95	4.70393	(16122318)		

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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 *** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399342.79	3737411.95	4.76871	(16122318)	399362.79
3737411.95	4.82160	(16122318)		
399382.79	3737411.95	4.86069	(16122318)	399402.79
3737411.95	4.88832	(16010317)		
399422.79	3737411.95	4.96748	(15101301)	399442.79
3737411.95	5.03850	(15101301)		
399462.79	3737411.95	5.09389	(15101301)	399482.79
3737411.95	5.13257	(15101301)		
399502.79	3737411.95	5.15356	(15101301)	399522.79
3737411.95	5.15608	(15101301)		

399542.79	3737411.95	5.13955	(15101301)	399562.79
3737411.95	5.13688 (13050519)			
399582.79	3737411.95	5.21977	(13050519)	399602.79
3737411.95	5.28398 (13050519)			
399622.79	3737411.95	5.32823	(13050519)	399642.79
3737411.95	5.36310 (15060923)			
399662.79	3737411.95	5.41530	(12042819)	399682.79
3737411.95	5.46081 (12042819)			
399702.79	3737411.95	5.47516	(12042819)	399722.79
3737411.95	5.46118 (12042819)			
399742.79	3737411.95	5.42946	(12042819)	399762.79
3737411.95	5.45835 (15030119)			
399782.79	3737411.95	5.53555	(15030119)	399802.79
3737411.95	5.58814 (15030119)			
399822.79	3737411.95	5.61483	(15030119)	399842.79
3737411.95	5.65814 (12052424)			
399862.79	3737411.95	5.73105	(12052424)	399882.79
3737411.95	5.74401 (12052424)			
399902.79	3737411.95	5.73095	(12052424)	399922.79
3737411.95	5.69192 (12052424)			
399942.79	3737411.95	5.73125	(16063019)	399962.79
3737411.95	5.76082 (16063019)			
399982.79	3737411.95	5.75702	(16063019)	400002.79
3737411.95	5.73231 (16063019)			
400022.79	3737411.95	5.72409	(14031218)	400042.79
3737411.95	5.80048 (14031218)			
400062.79	3737411.95	5.81843	(14031218)	400082.79
3737411.95	5.81548 (14031218)			
400102.79	3737411.95	5.78579	(14031218)	400122.79
3737411.95	5.73782 (13052819)			
400142.79	3737411.95	5.75428	(15061619)	400162.79
3737411.95	5.83735 (16122324)			
400182.79	3737411.95	5.90602	(16122324)	398682.79
3737431.95	3.51320 (14072503)			
398702.79	3737431.95	3.56999	(14072503)	398722.79
3737431.95	3.63246 (14072503)			
398742.79	3737431.95	3.67892	(14072503)	398762.79
3737431.95	3.72190 (14072503)			
398782.79	3737431.95	3.75880	(14072503)	398802.79
3737431.95	3.79075 (14072503)			
398822.79	3737431.95	3.81105	(14072503)	398842.79
3737431.95	3.82675 (14072503)			
398862.79	3737431.95	3.83968	(14072503)	398882.79
3737431.95	3.87618 (13050504)			
398902.79	3737431.95	3.93380	(13050504)	398922.79
3737431.95	3.97068 (13050504)			
398942.79	3737431.95	3.99738	(13050504)	398962.79
3737431.95	4.04553 (13111502)			
398982.79	3737431.95	4.08835	(13111502)	399002.79
3737431.95	4.11548 (13111502)			

399022.79	3737431.95	4.14437	(13111502)	399042.79
3737431.95	4.16738	(13111502)		
399062.79	3737431.95	4.20082	(15030121)	399082.79
3737431.95	4.25802	(15030121)		
399102.79	3737431.95	4.29369	(15030121)	399122.79
3737431.95	4.32617	(15030121)		
399142.79	3737431.95	4.35359	(15030121)	399162.79
3737431.95	4.37560	(15030121)		
399182.79	3737431.95	4.43703	(14121121)	399202.79
3737431.95	4.48438	(14121121)		
399222.79	3737431.95	4.53232	(14121121)	399242.79
3737431.95	4.57224	(14121121)		
399262.79	3737431.95	4.59370	(14121121)	399282.79
3737431.95	4.60310	(14121121)		
399302.79	3737431.95	4.61143	(16122318)	399322.79
3737431.95	4.66961	(16122318)		
399342.79	3737431.95	4.72368	(16122318)	399362.79
3737431.95	4.76779	(16122318)		
399382.79	3737431.95	4.79714	(16122318)	399402.79
3737431.95	4.84085	(15101301)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

PAGE 216

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399422.79	3737431.95	4.92542	(15101301)	399442.79
3737431.95	4.98589	(15101301)		
399462.79	3737431.95	5.03077	(15101301)	399482.79
3737431.95	5.05909	(15101301)		
399502.79	3737431.95	5.07005	(15101301)	399522.79
3737431.95	5.06292	(15101301)		
399542.79	3737431.95	5.04713	(16091918)	399562.79
3737431.95	5.09194	(13050519)		

399582.79	3737431.95	5.16419	(13050519)	399602.79
3737431.95	5.21789 (13050519)			
399622.79	3737431.95	5.25192	(13050519)	399642.79
3737431.95	5.29338 (15060923)			
399662.79	3737431.95	5.34425	(12042819)	399682.79
3737431.95	5.38307 (12042819)			
399702.79	3737431.95	5.39052	(12042819)	399722.79
3737431.95	5.37545 (12042819)			
399742.79	3737431.95	5.33296	(12052319)	399762.79
3737431.95	5.39627 (15030119)			
399782.79	3737431.95	5.46374	(15030119)	399802.79
3737431.95	5.50716 (15030119)			
399822.79	3737431.95	5.52521	(15030119)	399842.79
3737431.95	5.57277 (12052424)			
399862.79	3737431.95	5.60604	(12052424)	399882.79
3737431.95	5.62877 (12052424)			
399902.79	3737431.95	5.62386	(12052424)	399922.79
3737431.95	5.60042 (16063019)			
399942.79	3737431.95	5.64201	(16063019)	399962.79
3737431.95	5.66209 (16063019)			
399982.79	3737431.95	5.65704	(16063019)	400002.79
3737431.95	5.62974 (16063019)			
400022.79	3737431.95	5.65452	(14031218)	400042.79
3737431.95	5.71293 (14031218)			
400062.79	3737431.95	5.73387	(14031218)	400082.79
3737431.95	5.72589 (14031218)			
400102.79	3737431.95	5.68742	(14031218)	400122.79
3737431.95	5.65796 (13052819)			
400142.79	3737431.95	5.66806	(15061619)	400162.79
3737431.95	5.72820 (16122324)			
400182.79	3737431.95	5.80056	(16122324)	398682.79
3737451.95	3.51117 (14072503)			
398702.79	3737451.95	3.56163	(14072503)	398722.79
3737451.95	3.61384 (14072503)			
398742.79	3737451.95	3.66039	(14072503)	398762.79
3737451.95	3.69826 (14072503)			
398782.79	3737451.95	3.73107	(14072503)	398802.79
3737451.95	3.75694 (14072503)			
398822.79	3737451.95	3.77742	(14072503)	398842.79
3737451.95	3.78391 (14072503)			
398862.79	3737451.95	3.82188	(13050504)	398882.79
3737451.95	3.86492 (13050504)			
398902.79	3737451.95	3.90734	(13050504)	398922.79
3737451.95	3.93391 (13050504)			
398942.79	3737451.95	3.97329	(13111502)	398962.79
3737451.95	4.00679 (13111502)			
398982.79	3737451.95	4.03627	(13111502)	399002.79
3737451.95	4.06258 (13111502)			
399022.79	3737451.95	4.08586	(13111502)	399042.79
3737451.95	4.11912 (15030121)			

3737451.95	399062.79	3737451.95	4.16980	(15030121)	399082.79
3737451.95	399102.79	3737451.95	4.25281	(15030121)	399122.79
3737451.95	399142.79	3737451.95	4.29720	(15030121)	399162.79
3737451.95	399182.79	3737451.95	4.39818	(14121121)	399202.79
3737451.95	399222.79	3737451.95	4.48576	(14121121)	399242.79
3737451.95	399262.79	3737451.95	4.52354	(14121121)	399282.79
3737451.95	399302.79	3737451.95	4.58049	(16122318)	399322.79
3737451.95	399342.79	3737451.95	4.67862	(16122318)	399362.79
3737451.95	399382.79	3737451.95	4.74133	(16010317)	399402.79
3737451.95	399422.79	3737451.95	4.87853	(15101301)	399442.79
3737451.95	399462.79	3737451.95	4.96376	(15101301)	399482.79
3737451.95	4.98225	(15101301)			

▲ *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
3737451.95	399502.79	3737451.95	4.98377	(15101301)	399522.79
3737451.95	399542.79	3737451.95	4.96419	(13050519)	399562.79
3737451.95	399582.79	3737451.95	5.10533	(13050519)	399602.79
3737451.95	5.14899	(13050519)			

399622.79	3737451.95	5.17344	(13050519)	399642.79
3737451.95	5.22581 (12042819)			
399662.79	3737451.95	5.27023	(12042819)	399682.79
3737451.95	5.29267 (12042819)			
399702.79	3737451.95	5.28535	(12042819)	399722.79
3737451.95	5.26933 (12042819)			
399742.79	3737451.95	5.26662	(12052319)	399762.79
3737451.95	5.34331 (15030119)			
399782.79	3737451.95	5.39086	(15030119)	399802.79
3737451.95	5.42554 (15030119)			
399822.79	3737451.95	5.44882	(12052424)	399842.79
3737451.95	5.49936 (12052424)			
399862.79	3737451.95	5.53007	(12052424)	399882.79
3737451.95	5.51272 (12052424)			
399902.79	3737451.95	5.49371	(12052424)	399922.79
3737451.95	5.51380 (16063019)			
399942.79	3737451.95	5.55264	(16063019)	399962.79
3737451.95	5.56444 (16063019)			
399982.79	3737451.95	5.56056	(16063019)	400002.79
3737451.95	5.54092 (16063019)			
400022.79	3737451.95	5.58149	(14031218)	400042.79
3737451.95	5.61907 (14031218)			
400062.79	3737451.95	5.63408	(14031218)	400082.79
3737451.95	5.62463 (14031218)			
400102.79	3737451.95	5.58805	(14031218)	400122.79
3737451.95	5.57832 (13052819)			
400142.79	3737451.95	5.59160	(15061619)	400162.79
3737451.95	5.64826 (15061619)			
400182.79	3737451.95	5.71758	(16122324)	398682.79
3737471.95	3.50433 (14072503)			
398702.79	3737471.95	3.54882	(14072503)	398722.79
3737471.95	3.58872 (14072503)			
398742.79	3737471.95	3.64035	(14072503)	398762.79
3737471.95	3.67286 (14072503)			
398782.79	3737471.95	3.69796	(14072503)	398802.79
3737471.95	3.71788 (14072503)			
398822.79	3737471.95	3.73233	(14072503)	398842.79
3737471.95	3.76131 (13050504)			
398862.79	3737471.95	3.80681	(13050504)	398882.79
3737471.95	3.84325 (13050504)			
398902.79	3737471.95	3.87153	(13050504)	398922.79
3737471.95	3.90174 (13111502)			
398942.79	3737471.95	3.94130	(13111502)	398962.79
3737471.95	3.97422 (13111502)			
398982.79	3737471.95	3.99556	(13111502)	399002.79
3737471.95	4.00715 (13111502)			
399022.79	3737471.95	4.02929	(15030121)	399042.79
3737471.95	4.08837 (15030121)			
399062.79	3737471.95	4.13226	(15030121)	399082.79
3737471.95	4.16879 (15030121)			

3737471.95	399102.79	3737471.95	4.19825	(15030121)	399122.79
3737471.95	399142.79	3737471.95	4.25314	(14121121)	399162.79
3737471.95	399182.79	3737471.95	4.35621	(14121121)	399202.79
3737471.95	399222.79	3737471.95	4.42761	(14121121)	399242.79
3737471.95	399262.79	3737471.95	4.44910	(14121121)	399282.79
3737471.95	399302.79	3737471.95	4.54440	(16122318)	399322.79
3737471.95	399342.79	3737471.95	4.63262	(16122318)	399362.79
3737471.95	399382.79	3737471.95	4.70151	(15101301)	399402.79
3737471.95	399422.79	3737471.95	4.82727	(15101301)	399442.79
3737471.95	399462.79	3737471.95	4.89333	(15101301)	399482.79
3737471.95	399502.79	3737471.95	4.89526	(15101301)	399522.79
3737471.95	399542.79	3737471.95	4.92190	(13050519)	399562.79

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

PAGE 218

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
3737471.95	399582.79	3737471.95	5.04297	(13050519)	399602.79
3737471.95	399622.79	3737471.95	5.09893	(15060923)	399642.79
3737471.95	5.15120	(12042819)			

399662.79	3737471.95	5.18454	(12042819)	399682.79
3737471.95	5.20283	(12042819)		
399702.79	3737471.95	5.19856	(12042819)	399722.79
3737471.95	5.15928	(12042819)		
399742.79	3737471.95	5.19891	(15100323)	399762.79
3737471.95	5.26755	(15030119)		
399782.79	3737471.95	5.31709	(15030119)	399802.79
3737471.95	5.34363	(15030119)		
399822.79	3737471.95	5.36434	(12052424)	399842.79
3737471.95	5.42141	(12052424)		
399862.79	3737471.95	5.43959	(12052424)	399882.79
3737471.95	5.44221	(12052424)		
399902.79	3737471.95	5.39152	(12052424)	399922.79
3737471.95	5.41396	(16063019)		
399942.79	3737471.95	5.45780	(16063019)	399962.79
3737471.95	5.47443	(16063019)		
399982.79	3737471.95	5.46583	(16063019)	400002.79
3737471.95	5.45233	(16063019)		
400022.79	3737471.95	5.48880	(14031218)	400042.79
3737471.95	5.53770	(14031218)		
400062.79	3737471.95	5.53570	(14031218)	400082.79
3737471.95	5.52208	(14031218)		
400102.79	3737471.95	5.48451	(14031218)	400122.79
3737471.95	5.49664	(13052819)		
400142.79	3737471.95	5.52525	(15061619)	400162.79
3737471.95	5.57336	(16122324)		
400182.79	3737471.95	5.62657	(16122324)	398682.79
3737491.95	3.49388	(14072503)		
398702.79	3737491.95	3.53178	(14072503)	398722.79
3737491.95	3.56630	(14072503)		
398742.79	3737491.95	3.61501	(14072503)	398762.79
3737491.95	3.64008	(14072503)		
398782.79	3737491.95	3.65981	(14072503)	398802.79
3737491.95	3.67394	(14072503)		
398822.79	3737491.95	3.69942	(13050504)	398842.79
3737491.95	3.74392	(13050504)		
398862.79	3737491.95	3.78333	(13050504)	398882.79
3737491.95	3.81137	(13050504)		
398902.79	3737491.95	3.83675	(13050504)	398922.79
3737491.95	3.87154	(13111502)		
398942.79	3737491.95	3.89959	(13111502)	398962.79
3737491.95	3.92375	(13111502)		
398982.79	3737491.95	3.94752	(13111502)	399002.79
3737491.95	3.96203	(15030121)		
399022.79	3737491.95	4.00609	(15030121)	399042.79
3737491.95	4.04919	(15030121)		
399062.79	3737491.95	4.08678	(15030121)	399082.79
3737491.95	4.11357	(15030121)		
399102.79	3737491.95	4.13586	(15030121)	399122.79
3737491.95	4.16107	(14121121)		

3737491.95	399142.79	3737491.95	4.21896	(14121121)	399162.79
3737491.95	399182.79	3737491.95	4.30785	(14121121)	399202.79
3737491.95	399222.79	3737491.95	4.36122	(14121121)	399242.79
3737491.95	399262.79	3737491.95	4.38298	(16122318)	399282.79
3737491.95	399302.79	3737491.95	4.50356	(16122318)	399322.79
3737491.95	399342.79	3737491.95	4.57758	(16122318)	399362.79
3737491.95	399382.79	3737491.95	4.66499	(15101301)	399402.79
3737491.95	399422.79	3737491.95	4.77206	(15101301)	399442.79
3737491.95	399462.79	3737491.95	4.81988	(15101301)	399482.79
3737491.95	399502.79	3737491.95	4.81292	(16091918)	399522.79
3737491.95	399542.79	3737491.95	4.87301	(13050519)	399562.79
3737491.95	399582.79	3737491.95	4.97480	(13050519)	399602.79
3737491.95	399622.79	3737491.95	5.03746	(12042819)	399642.79
3737491.95	5.08016	(12042819)			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
399662.79	3737491.95	5.10386	(12042819)	399682.79
3737491.95	5.10766	(12042819)		

399702.79	3737491.95	5.09454	(12042819)	399722.79
3737491.95	5.08758 (15100323)			
399742.79	3737491.95	5.13876	(15030119)	399762.79
3737491.95	5.20137 (15030119)			
399782.79	3737491.95	5.24261	(15030119)	399802.79
3737491.95	5.26155 (15030119)			
399822.79	3737491.95	5.28283	(12052424)	399842.79
3737491.95	5.31751 (12052424)			
399862.79	3737491.95	5.35472	(12052424)	399882.79
3737491.95	5.34169 (12052424)			
399902.79	3737491.95	5.30758	(12052424)	399922.79
3737491.95	5.36064 (16063019)			
399942.79	3737491.95	5.37366	(16063019)	399962.79
3737491.95	5.38586 (16063019)			
399982.79	3737491.95	5.38725	(16063019)	400002.79
3737491.95	5.34766 (16063019)			
400022.79	3737491.95	5.41298	(14031218)	400042.79
3737491.95	5.44389 (14031218)			
400062.79	3737491.95	5.43964	(14031218)	400082.79
3737491.95	5.42358 (14031218)			
400102.79	3737491.95	5.38106	(14031218)	400122.79
3737491.95	5.41245 (13052819)			
400142.79	3737491.95	5.44955	(15061619)	400162.79
3737491.95	5.49503 (15061619)			
400182.79	3737491.95	5.52958	(16122324)	398682.79
3737511.95	3.48336 (14072503)			
398702.79	3737511.95	3.51243	(14072503)	398722.79
3737511.95	3.54133 (14072503)			
398742.79	3737511.95	3.58223	(14072503)	398762.79
3737511.95	3.60282 (14072503)			
398782.79	3737511.95	3.61697	(14072503)	398802.79
3737511.95	3.63915 (13050504)			
398822.79	3737511.95	3.68267	(13050504)	398842.79
3737511.95	3.72132 (13050504)			
398862.79	3737511.95	3.75472	(13050504)	398882.79
3737511.95	3.77566 (13050504)			
398902.79	3737511.95	3.80432	(13111502)	398922.79
3737511.95	3.83386 (13111502)			
398942.79	3737511.95	3.85556	(13111502)	398962.79
3737511.95	3.87359 (13111502)			
398982.79	3737511.95	3.89338	(13111502)	399002.79
3737511.95	3.93933 (15030121)			
399022.79	3737511.95	3.97948	(15030121)	399042.79
3737511.95	4.02419 (15030121)			
399062.79	3737511.95	4.05202	(15030121)	399082.79
3737511.95	4.06568 (15030121)			
399102.79	3737511.95	4.07899	(15030121)	399122.79
3737511.95	4.13976 (14121121)			
399142.79	3737511.95	4.19125	(14121121)	399162.79
3737511.95	4.22859 (14121121)			

3737511.95	399182.79	3737511.95	4.26175	(14121121)	399202.79
		4.28726	(14121121)		
3737511.95	399222.79	3737511.95	4.30037	(14121121)	399242.79
		4.30096	(14121121)		
3737511.95	399262.79	3737511.95	4.35577	(16122318)	399282.79
		4.40984	(16122318)		
3737511.95	399302.79	3737511.95	4.45361	(16122318)	399322.79
		4.48773	(16122318)		
3737511.95	399342.79	3737511.95	4.51074	(16122318)	399362.79
		4.55717	(15101301)		
3737511.95	399382.79	3737511.95	4.61873	(15101301)	399402.79
		4.67039	(15101301)		
3737511.95	399422.79	3737511.95	4.70395	(15101301)	399442.79
		4.72559	(15101301)		
3737511.95	399462.79	3737511.95	4.73428	(15101301)	399482.79
		4.73052	(15101301)		
3737511.95	399502.79	3737511.95	4.73043	(16091918)	399522.79
		4.76057	(13050519)		
3737511.95	399542.79	3737511.95	4.82710	(13050519)	399562.79
		4.87443	(13050519)		
3737511.95	399582.79	3737511.95	4.90559	(13050519)	399602.79
		4.92455	(13050519)		
3737511.95	399622.79	3737511.95	4.97332	(12042819)	399642.79
		5.00850	(12042819)		
3737511.95	399662.79	3737511.95	5.02394	(12042819)	399682.79
		5.02095	(12042819)		
3737511.95	399702.79	3737511.95	5.00243	(12042819)	399722.79
		5.03609	(15100323)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

PAGE 220

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

399742.79	3737511.95	5.07977	(15030119)	399762.79
3737511.95	5.13413 (15030119)			
399782.79	3737511.95	5.16763	(15030119)	399802.79
3737511.95	5.17947 (15030119)			
399822.79	3737511.95	5.20558	(12052424)	399842.79
3737511.95	5.23328 (12052424)			
399862.79	3737511.95	5.25215	(12052424)	399882.79
3737511.95	5.24351 (12052424)			
399902.79	3737511.95	5.22333	(16063019)	399922.79
3737511.95	5.26288 (16063019)			
399942.79	3737511.95	5.29137	(16063019)	399962.79
3737511.95	5.29867 (16063019)			
399982.79	3737511.95	5.28176	(16063019)	400002.79
3737511.95	5.25704 (14031218)			
400022.79	3737511.95	5.32815	(14031218)	400042.79
3737511.95	5.34593 (14031218)			
400062.79	3737511.95	5.35298	(14031218)	400082.79
3737511.95	5.33456 (14031218)			
400102.79	3737511.95	5.30331	(13052819)	400122.79
3737511.95	5.33251 (13052819)			
400142.79	3737511.95	5.36677	(15061619)	400162.79
3737511.95	5.40596 (15061619)			
400182.79	3737511.95	5.43255	(16122324)	398682.79
3737531.95	3.46482 (14072503)			
398702.79	3737531.95	3.48855	(14072503)	398722.79
3737531.95	3.51159 (14072503)			
398742.79	3737531.95	3.54621	(14072503)	398762.79
3737531.95	3.56036 (14072503)			
398782.79	3737531.95	3.58044	(13050504)	398802.79
3737531.95	3.61970 (13050504)			
398822.79	3737531.95	3.65922	(13050504)	398842.79
3737531.95	3.69377 (13050504)			
398862.79	3737531.95	3.71815	(13050504)	398882.79
3737531.95	3.73639 (13050504)			
398902.79	3737531.95	3.76889	(13111502)	398922.79
3737531.95	3.78919 (13111502)			
398942.79	3737531.95	3.80627	(13111502)	398962.79
3737531.95	3.81967 (13111502)			
398982.79	3737531.95	3.86713	(15030121)	399002.79
3737531.95	3.91437 (15030121)			
399022.79	3737531.95	3.94661	(15030121)	399042.79
3737531.95	3.98198 (15030121)			
399062.79	3737531.95	4.00649	(15030121)	399082.79
3737531.95	4.01605 (15030121)			
399102.79	3737531.95	4.05421	(14121121)	399122.79
3737531.95	4.10838 (14121121)			
399142.79	3737531.95	4.15462	(14121121)	399162.79
3737531.95	4.18423 (14121121)			
399182.79	3737531.95	4.21176	(14121121)	399202.79
3737531.95	4.22749 (14121121)			

3737531.95	399222.79	3737531.95	4.23130	(14121121)	399242.79
		4.26420 (16122318)			
3737531.95	399262.79	3737531.95	4.32264	(16122318)	399282.79
		4.37120 (16122318)			
3737531.95	399302.79	3737531.95	4.40912	(16122318)	399322.79
		4.43574 (16122318)			
3737531.95	399342.79	3737531.95	4.46042	(15101301)	399362.79
		4.53502 (15101301)			
3737531.95	399382.79	3737531.95	4.59189	(15101301)	399402.79
		4.62277 (15101301)			
3737531.95	399422.79	3737531.95	4.64314	(15101301)	399442.79
		4.65237 (15101301)			
3737531.95	399462.79	3737531.95	4.66415	(15101301)	399482.79
		4.66464 (16091918)			
3737531.95	399502.79	3737531.95	4.65653	(16091918)	399522.79
		4.71122 (13050519)			
3737531.95	399542.79	3737531.95	4.77429	(13050519)	399562.79
		4.81164 (13050519)			
3737531.95	399582.79	3737531.95	4.84362	(13050519)	399602.79
		4.86289 (12042819)			
3737531.95	399622.79	3737531.95	4.90690	(12042819)	399642.79
		4.93537 (12042819)			
3737531.95	399662.79	3737531.95	4.94313	(12042819)	399682.79
		4.93219 (12042819)			
3737531.95	399702.79	3737531.95	4.91874	(15100323)	399722.79
		4.97527 (15100323)			
3737531.95	399742.79	3737531.95	5.01957	(15030119)	399762.79
		5.06600 (15030119)			
3737531.95	399782.79	3737531.95	5.09223	(15030119)	399802.79
		5.09753 (15030119)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20
*** AERMET - VERSION 16216 *** ***
*** 10:15:03

PAGE 221

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

399822.79	3737531.95	5.12843	(12052424)	399842.79
3737531.95	5.16833 (12052424)			
399862.79	3737531.95	5.16645	(12052424)	399882.79
3737531.95	5.14774 (12052424)			
399902.79	3737531.95	5.14819	(16063019)	399922.79
3737531.95	5.18447 (16063019)			
399942.79	3737531.95	5.21018	(16063019)	399962.79
3737531.95	5.21290 (16063019)			
399982.79	3737531.95	5.19222	(16063019)	400002.79
3737531.95	5.18426 (14031218)			
400022.79	3737531.95	5.23610	(14031218)	400042.79
3737531.95	5.26425 (14031218)			
400062.79	3737531.95	5.26816	(14031218)	400082.79
3737531.95	5.24757 (14031218)			
400102.79	3737531.95	5.23000	(13052819)	400122.79
3737531.95	5.26139 (13052819)			
400142.79	3737531.95	5.28491	(13052819)	400162.79
3737531.95	5.32227 (15061619)			
400182.79	3737531.95	5.33914	(16122324)	398682.79
3737551.95	3.43896 (14072503)			
398702.79	3737551.95	3.46005	(14072503)	398722.79
3737551.95	3.47802 (14072503)			
398742.79	3737551.95	3.50583	(14072503)	398762.79
3737551.95	3.52342 (14072505)			
398782.79	3737551.95	3.56457	(13050504)	398802.79
3737551.95	3.59582 (13050504)			
398822.79	3737551.95	3.62705	(13050504)	398842.79
3737551.95	3.65584 (13050504)			
398862.79	3737551.95	3.67960	(13050504)	398882.79
3737551.95	3.70266 (13111502)			
398902.79	3737551.95	3.72338	(13111502)	398922.79
3737551.95	3.74228 (13111502)			
398942.79	3737551.95	3.75370	(13111502)	398962.79
3737551.95	3.78637 (15030121)			
398982.79	3737551.95	3.84163	(15030121)	399002.79
3737551.95	3.88011 (15030121)			
399022.79	3737551.95	3.90622	(15030121)	399042.79
3737551.95	3.93388 (15030121)			
399062.79	3737551.95	3.95241	(15030121)	399082.79
3737551.95	3.98027 (14121121)			
399102.79	3737551.95	4.02864	(14121121)	399122.79
3737551.95	4.07427 (14121121)			
399142.79	3737551.95	4.11397	(14121121)	399162.79
3737551.95	4.13615 (14121121)			
399182.79	3737551.95	4.15568	(14121121)	399202.79
3737551.95	4.16236 (14121121)			
399222.79	3737551.95	4.17450	(16122318)	399242.79
3737551.95	4.23467 (16122318)			

3737551.95	399262.79	3737551.95	4.28542	(16122318)	399282.79
3737551.95	399302.79	3737551.95	4.35932	(16122318)	399322.79
3737551.95	399342.79	3737551.95	4.42852	(15101301)	399362.79
3737551.95	399382.79	3737551.95	4.55287	(15101301)	399402.79
3737551.95	399422.79	3737551.95	4.58035	(15101301)	399442.79
3737551.95	399462.79	3737551.95	4.59117	(16091918)	399482.79
3737551.95	399502.79	3737551.95	4.60748	(13050519)	399522.79
3737551.95	399542.79	3737551.95	4.71659	(13050519)	399562.79
3737551.95	399582.79	3737551.95	4.77326	(13050519)	399602.79
3737551.95	399622.79	3737551.95	4.84274	(12042819)	399642.79
3737551.95	399662.79	3737551.95	4.86170	(12042819)	399682.79
3737551.95	399702.79	3737551.95	4.86938	(15100323)	399722.79
3737551.95	399742.79	3737551.95	4.95825	(15030119)	399762.79
3737551.95	399782.79	3737551.95	5.01843	(15030119)	399802.79
3737551.95	399822.79	3737551.95	5.05795	(12052424)	399842.79
3737551.95	399862.79	3737551.95	5.09342	(12052424)	399882.79
3737551.95	5.07136	(12052424)			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

PAGE 222

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)
399902.79	3737551.95	3737551.95	5.06709	(16063019)	399922.79
3737551.95	5.10944	5.10944 (16063019)			
399942.79	3737551.95	3737551.95	5.13009	(16063019)	399962.79
3737551.95	5.12856	5.12856 (16063019)			
399982.79	3737551.95	3737551.95	5.12542	(16063019)	400002.79
3737551.95	5.13016	5.13016 (14031218)			
400022.79	3737551.95	3737551.95	5.18445	(14031218)	400042.79
3737551.95	5.20333	5.20333 (14031218)			
400062.79	3737551.95	3737551.95	5.19968	(14031218)	400082.79
3737551.95	5.17747	5.17747 (14031218)			
400102.79	3737551.95	3737551.95	5.17579	(13052819)	400122.79
3737551.95	5.19724	5.19724 (13052819)			
400142.79	3737551.95	3737551.95	5.21084	(13052819)	400162.79
3737551.95	5.23886	5.23886 (15061619)			
400182.79	3737551.95	3737551.95	5.24831	(16122324)	398315.82
3734124.08	2.70481	2.70481 (14052705)			
398509.09	3734124.08	3734124.08	2.79383	(15081005)	398702.36
3734124.08	2.88187	2.88187 (16010703)			
398895.63	3734124.08	3734124.08	2.96329	(16020820)	399088.90
3734124.08	3.01620	3.01620 (15092106)			
399282.17	3734124.08	3734124.08	3.10535	(16021720)	399475.44
3734124.08	3.47674	3.47674 (16122117)			
399668.71	3734124.08	3734124.08	3.57602	(16122117)	399861.98
3734124.08	3.71206	3.71206 (15071921)			
400055.25	3734124.08	3734124.08	3.85646	(15110319)	400248.52
3734124.08	3.59394	3.59394 (16122207)			
400441.79	3734124.08	3734124.08	3.53788	(16122208)	400635.06
3734124.08	3.74259	3.74259 (13121522)			
400828.33	3734124.08	3734124.08	3.48208	(16122001)	401021.60
3734124.08	3.54847	3.54847 (13011204)			
401214.87	3734124.08	3734124.08	3.34115	(16122708)	401408.14
3734124.08	3.20966	3.20966 (13022006)			
401601.41	3734124.08	3734124.08	3.01478	(13012823)	401794.68
3734124.08	2.90458	2.90458 (16080220)			
401987.95	3734124.08	3734124.08	2.80346	(16092621)	402181.22
3734124.08	2.71058	2.71058 (16092624)			
398315.82	3734299.90	3734299.90	2.77801	(15080524)	398509.09
3734299.90	2.94210	2.94210 (16121918)			
398702.36	3734299.90	3734299.90	3.15139	(14113024)	398895.63
3734299.90	3.22733	3.22733 (16010703)			
399088.90	3734299.90	3734299.90	3.13622	(16020820)	399282.17
3734299.90	3.32314	3.32314 (16032301)			
399475.44	3734299.90	3734299.90	3.61761	(16122117)	399668.71
3734299.90	4.06110	4.06110 (16122117)			
399861.98	3734299.90	3734299.90	3.99876	(15071921)	400055.25
3734299.90	4.32582	4.32582 (15110319)			

400248.52	3734299.90	3.96744	(16122207)	400441.79
3734299.90	3.98246	(16122208)		
400635.06	3734299.90	4.15410	(13121522)	400828.33
3734299.90	3.89985	(16112408)		
401021.60	3734299.90	3.81398	(16122708)	401214.87
3734299.90	3.66297	(12102424)		
401408.14	3734299.90	3.44163	(12101619)	401601.41
3734299.90	3.30021	(14040920)		
401794.68	3734299.90	3.10601	(15070120)	401987.95
3734299.90	2.91514	(14081020)		
402181.22	3734299.90	2.78161	(15091101)	398315.82
3734475.72	2.90173	(16121919)		
398509.09	3734475.72	3.02565	(16121919)	398702.36
3734475.72	3.53451	(16121918)		
398895.63	3734475.72	3.61648	(16010703)	399088.90
3734475.72	3.51792	(16010703)		
399282.17	3734475.72	3.46128	(16032301)	399475.44
3734475.72	3.63035	(16122117)		
399668.71	3734475.72	4.50337	(16122117)	399861.98
3734475.72	4.28814	(13121001)		
400055.25	3734475.72	4.82949	(15110319)	400248.52
3734475.72	4.36434	(16122207)		
400441.79	3734475.72	4.45981	(16122208)	400635.06
3734475.72	4.59998	(12030705)		
400828.33	3734475.72	4.27693	(13011204)	401021.60
3734475.72	4.17717	(16122708)		
401214.87	3734475.72	4.04073	(12101619)	401408.14
3734475.72	3.77685	(13012823)		
401601.41	3734475.72	3.56680	(15070120)	401794.68
3734475.72	3.31237	(13091519)		
401987.95	3734475.72	3.09066	(12092219)	402181.22
3734475.72	2.87564	(12082819)		
398315.82	3734651.54	3.19152	(16120218)	398509.09
3734651.54	3.37706	(16120218)		

▲ *** AERMOD - VERSION 19191 *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc *** 10/21/20

*** AERMET - VERSION 16216 ***
*** 10:15:03

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
398702.36	3734651.54	3.59663	(16121918)	398895.63
3734651.54	4.20007 (16121918)			
399088.90	3734651.54	4.11777	(16010703)	399282.17
3734651.54	3.71584 (16010703)			
399475.44	3734651.54	3.89074	(16032301)	399668.71
3734651.54	4.98061 (16122117)			
399861.98	3734651.54	5.03277	(16122117)	400055.25
3734651.54	5.67100 (15071921)			
400248.52	3734651.54	4.86696	(16122207)	400441.79
3734651.54	5.03572 (12030705)			
400635.06	3734651.54	5.02077	(12030705)	400828.33
3734651.54	4.73690 (13011204)			
401021.60	3734651.54	4.69494	(13022006)	401214.87
3734651.54	4.42173 (12101619)			
401408.14	3734651.54	4.11751	(15070120)	401601.41
3734651.54	3.86840 (13091519)			
401794.68	3734651.54	3.56820	(16081721)	401987.95
3734651.54	3.29131 (15082620)			
402181.22	3734651.54	3.04502	(14102218)	398315.82
3734827.36	3.32023 (14120217)			
398509.09	3734827.36	3.67132	(14120217)	398702.36
3734827.36	3.89998 (16120218)			
398895.63	3734827.36	4.24303	(16121918)	399088.90
3734827.36	4.93725 (16121918)			
399282.17	3734827.36	4.61409	(16010703)	399475.44
3734827.36	4.44317 (14123019)			
399668.71	3734827.36	5.00903	(16122117)	399861.98
3734827.36	5.71540 (16122117)			
400055.25	3734827.36	6.42027	(15071921)	400248.52
3734827.36	5.43417 (16122207)			
400441.79	3734827.36	6.13366	(12030705)	400635.06
3734827.36	5.77285 (16112408)			
400828.33	3734827.36	5.65837	(15121408)	401021.60
3734827.36	5.46659 (12101619)			
401214.87	3734827.36	4.97586	(16031019)	401408.14
3734827.36	4.57542 (15071220)			
401601.41	3734827.36	4.17056	(14110818)	401794.68
3734827.36	3.82030 (15082620)			
401987.95	3734827.36	3.48940	(15080820)	402181.22
3734827.36	3.21521 (14051320)			
398315.82	3735003.18	3.30629	(15012421)	398509.09
3735003.18	3.53365 (13120923)			
398702.36	3735003.18	3.92366	(14120217)	398895.63
3735003.18	4.49976 (16120218)			

399088.90	3735003.18	5.09296	(16121918)	399282.17
3735003.18	5.88999	(16121918)		
399475.44	3735003.18	5.62263	(14123019)	399668.71
3735003.18	4.92442	(14123019)		
399861.98	3735003.18	6.79886	(16122117)	400055.25
3735003.18	7.46906	(15071921)		
400248.52	3735003.18	6.42516	(15110319)	400441.79
3735003.18	7.53487	(12030705)		
400635.06	3735003.18	6.70804	(16021719)	400828.33
3735003.18	6.66122	(15122823)		
401021.60	3735003.18	6.09170	(16031019)	401214.87
3735003.18	5.54406	(15071220)		
401408.14	3735003.18	4.99710	(16021018)	401601.41
3735003.18	4.51121	(14082719)		
401794.68	3735003.18	4.07229	(15090619)	401987.95
3735003.18	3.70148	(15091220)		
402181.22	3735003.18	3.36848	(16102018)	398315.82
3735179.00	3.46383	(15010517)		
398509.09	3735179.00	3.91523	(15010517)	398702.36
3735179.00	4.28936	(14122703)		
398895.63	3735179.00	4.80300	(14120217)	399088.90
3735179.00	5.63985	(14120217)		
399282.17	3735179.00	6.25886	(16121918)	399475.44
3735179.00	7.09323	(16121918)		
399668.71	3735179.00	7.13782	(14123019)	399861.98
3735179.00	7.32894	(16122117)		
400055.25	3735179.00	8.43846	(15071921)	400248.52
3735179.00	7.49934	(15110319)		
400441.79	3735179.00	9.47876	(12030705)	400635.06
3735179.00	8.32374	(15122601)		
400828.33	3735179.00	7.88196	(15102904)	401021.60
3735179.00	7.07027	(15073121)		
401214.87	3735179.00	6.19082	(16021018)	401408.14
3735179.00	5.49250	(15101319)		
401601.41	3735179.00	4.86840	(16092718)	401794.68
3735179.00	4.33617	(15083019)		

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
401987.95	3735179.00	3.89091	(12092119)	402181.22
3735179.00	3.50504	(15071120)		
398315.82	3735354.82	3.59346	(15050805)	398509.09
3735354.82	4.01713	(13120922)		
398702.36	3735354.82	4.58137	(15010517)	398895.63
3735354.82	5.12469	(15010517)		
399088.90	3735354.82	5.88450	(14120217)	399282.17
3735354.82	7.31931	(14120217)		
399475.44	3735354.82	8.23111	(16122123)	399668.71
3735354.82	8.87792	(14123019)		
399861.98	3735354.82	8.91443	(14123019)	400055.25
3735354.82	8.97359	(15071921)		
400248.52	3735354.82	8.71976	(15122605)	400441.79
3735354.82	12.56553	(16021719)		
400635.06	3735354.82	11.10943	(16081620)	400828.33
3735354.82	9.32202	(15032519)		
401021.60	3735354.82	8.04283	(16061820)	401214.87
3735354.82	6.91855	(14100319)		
401408.14	3735354.82	5.96976	(12081319)	401601.41
3735354.82	5.18926	(16100919)		
401794.68	3735354.82	4.56358	(16092820)	401987.95
3735354.82	4.05422	(15082319)		
402181.22	3735354.82	3.63637	(16042021)	398315.82
3735530.64	3.78651	(15071924)		
398509.09	3735530.64	4.20588	(15071924)	398702.36
3735530.64	4.55819	(12012722)		
398895.63	3735530.64	5.45090	(12012722)	399088.90
3735530.64	6.56116	(16122122)		
399282.17	3735530.64	7.78237	(14122703)	399475.44
3735530.64	9.86402	(14120217)		
399668.71	3735530.64	11.57547	(16122123)	399861.98
3735530.64	13.98791	(14123019)		
400055.25	3735530.64	10.01638	(16122117)	400248.52
3735530.64	13.96160	(15122605)		
400441.79	3735530.64	17.17605	(12111023)	400635.06
3735530.64	14.25624	(15121218)		
400828.33	3735530.64	11.41249	(15072420)	401021.60
3735530.64	9.27281	(15082919)		
401214.87	3735530.64	7.61052	(16021518)	401408.14
3735530.64	6.41362	(15101618)		
401601.41	3735530.64	5.49171	(14072420)	401794.68
3735530.64	4.77152	(16022218)		

401987.95	3735530.64	4.24732	(15082921)	402181.22
3735530.64	3.76565	(15082921)		
398315.82	3735706.46	3.72121	(13011407)	398509.09
3735706.46	4.15084	(13100503)		
398702.36	3735706.46	4.74793	(13100503)	398895.63
3735706.46	5.65741	(15071924)		
399088.90	3735706.46	6.74130	(15071924)	399282.17
3735706.46	8.56298	(12012722)		
399475.44	3735706.46	11.15653	(12012721)	399668.71
3735706.46	14.18801	(15012502)		
399861.98	3735706.46	19.69821	(16122123)	400055.25
3735706.46	23.41959	(14123019)		
400248.52	3735706.46	26.46435	(15122605)	400441.79
3735706.46	25.91399	(15122521)		
400635.06	3735706.46	18.64796	(15043019)	400828.33
3735706.46	13.66939	(16072120)		
401021.60	3735706.46	10.40300	(15093018)	401214.87
3735706.46	8.26222	(16080920)		
401408.14	3735706.46	6.81078	(16081019)	401601.41
3735706.46	5.76114	(15080520)		
401794.68	3735706.46	4.99696	(14030920)	401987.95
3735706.46	4.35366	(14030920)		
402181.22	3735706.46	3.85572	(15050320)	398315.82
3735882.28	3.92072	(14022802)		
398509.09	3735882.28	4.45382	(14022802)	398702.36
3735882.28	5.07693	(16021723)		
398895.63	3735882.28	5.68389	(13011406)	399088.90
3735882.28	7.12391	(13100503)		
399282.17	3735882.28	8.98304	(13100422)	399475.44
3735882.28	11.86463	(16121522)		
399668.71	3735882.28	16.64977	(13100424)	399861.98
3735882.28	24.89623	(15071923)		
400055.25	3735882.28	44.36072	(16122123)	400248.52
3735882.28	69.19107	(15122605)		
400441.79	3735882.28	42.73008	(14013121)	400635.06
3735882.28	23.63784	(15092020)		
400828.33	3735882.28	15.38954	(15031519)	401021.60
3735882.28	11.19027	(14080222)		

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^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF PM ₁₀ IN MICROGRAMS/M**3			
**					
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)		X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)			
401214.87	3735882.28	8.65143	(14080222)		401408.14
3735882.28	7.03792	(15110924)			
401601.41	3735882.28	5.90912	(13033120)		401794.68
3735882.28	5.06545	(13102805)			
401987.95	3735882.28	4.38432	(13102805)		402181.22
3735882.28	3.91437	(14102520)			
398315.82	3736058.10	3.77776	(12012801)		398509.09
3736058.10	4.35411	(12012723)			
398702.36	3736058.10	5.06813	(12012723)		398895.63
3736058.10	5.94340	(15012423)			
399088.90	3736058.10	7.27023	(15012423)		399282.17
3736058.10	9.05025	(15012423)			
399475.44	3736058.10	12.07319	(15012424)		399668.71
3736058.10	17.26082	(15012424)			
399861.98	3736058.10	26.17417	(12021518)		400248.52
3736058.10	499.34135	(14061213)			
400441.79	3736058.10	75.27162	(13120717)		400635.06
3736058.10	26.82279	(15110918)			
400828.33	3736058.10	16.04009	(15040819)		401021.60
3736058.10	11.47134	(13092119)			
401214.87	3736058.10	8.78962	(12110907)		401408.14
3736058.10	7.09430	(15110221)			
401601.41	3736058.10	5.89588	(13120323)		401794.68
3736058.10	5.04634	(13120323)			
401987.95	3736058.10	4.40826	(13120323)		402181.22
3736058.10	3.90280	(16032119)			
398315.82	3736233.92	3.69793	(14113002)		398509.09
3736233.92	4.30341	(14112922)			
398702.36	3736233.92	4.95494	(14112922)		398895.63
3736233.92	5.69909	(14112922)			
399088.90	3736233.92	6.60642	(14112922)		399282.17
3736233.92	7.74728	(12021518)			
399475.44	3736233.92	10.25123	(13112217)		399668.71
3736233.92	15.39843	(13112217)			
399861.98	3736233.92	18.32154	(13112217)		400248.52
3736233.92	80.50735	(12042217)			
400441.79	3736233.92	40.46824	(16121605)		400635.06
3736233.92	22.34366	(16032821)			
400828.33	3736233.92	15.10617	(12031719)		401021.60
3736233.92	11.52356	(14032922)			

401214.87	3736233.92	8.57051	(14050603)	401408.14
3736233.92	6.98694 (14050602)			
401601.41	3736233.92	5.88823	(12102322)	401794.68
3736233.92	5.10054 (12102322)			
401987.95	3736233.92	4.40128	(12102321)	402181.22
3736233.92	3.93997 (12102321)			
398315.82	3736409.74	3.75116	(14112922)	398509.09
3736409.74	4.23106 (14112922)			
398702.36	3736409.74	4.77855	(15051305)	398895.63
3736409.74	5.53495 (15051305)			
399088.90	3736409.74	6.66140	(13112217)	399282.17
3736409.74	8.36849 (13112217)			
399475.44	3736409.74	9.96067	(16120224)	399668.71
3736409.74	13.57180 (12020719)			
399861.98	3736409.74	18.31306	(14121122)	400055.25
3736409.74	25.66696 (12020717)			
400248.52	3736409.74	23.26058	(16062019)	400441.79
3736409.74	22.32958 (16030707)			
400635.06	3736409.74	16.43036	(16121607)	400828.33
3736409.74	13.47826 (15100405)			
401021.60	3736409.74	10.36675	(15100406)	401214.87
3736409.74	8.12107 (15110219)			
401408.14	3736409.74	6.72714	(12033121)	401601.41
3736409.74	5.67357 (16052121)			
401794.68	3736409.74	4.92730	(15022802)	401987.95
3736409.74	4.27152 (15112518)			
402181.22	3736409.74	3.85890	(13040420)	398315.82
3736585.56	3.69102 (15051305)			
398509.09	3736585.56	4.20134	(15051305)	398702.36
3736585.56	4.69459 (16112024)			
398895.63	3736585.56	5.33841	(15012617)	399088.90
3736585.56	6.42826 (16120224)			
399282.17	3736585.56	7.46711	(15091502)	399475.44
3736585.56	9.34917 (12020719)			
399668.71	3736585.56	11.57972	(15100321)	399861.98
3736585.56	14.14629 (16091818)			
400055.25	3736585.56	17.14159	(16030605)	400248.52
3736585.56	15.78585 (16122324)			
400441.79	3736585.56	14.53985	(16122401)	400635.06
3736585.56	12.39270 (16121604)			

^ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
400828.33	3736585.56	10.11369	(16121606)	401021.60
3736585.56	9.35423 (13102817)			
401214.87	3736585.56	7.46258	(12031720)	401408.14
3736585.56	6.30651 (15100406)			
401601.41	3736585.56	5.46306	(15121024)	401794.68
3736585.56	4.80846 (12030619)			
401987.95	3736585.56	4.32427	(13020724)	402181.22
3736585.56	3.76745 (16032122)			
398315.82	3736761.38	3.55712	(16112024)	398509.09
3736761.38	4.02054 (15012617)			
398702.36	3736761.38	4.57189	(16120224)	398895.63
3736761.38	5.14413 (14041701)			
399088.90	3736761.38	5.95933	(15091502)	399282.17
3736761.38	7.00860 (13122617)			
399475.44	3736761.38	8.19644	(13050424)	399668.71
3736761.38	9.70604 (12101803)			
399861.98	3736761.38	11.00291	(14121120)	400055.25
3736761.38	12.22570 (15030118)			
400248.52	3736761.38	12.27656	(16122324)	400441.79
3736761.38	9.25810 (15100404)			
400635.06	3736761.38	10.89252	(16122401)	400828.33
3736761.38	8.56518 (14103124)			
401021.60	3736761.38	7.45927	(16121606)	401214.87
3736761.38	6.96942 (16121606)			
401408.14	3736761.38	5.89287	(15121023)	401601.41
3736761.38	5.16718 (13102818)			
401794.68	3736761.38	4.46043	(13021920)	401987.95
3736761.38	4.06618 (15121919)			
402181.22	3736761.38	3.61469	(15121024)	398315.82
3736937.20	3.38672 (14041701)			
398509.09	3736937.20	3.92246	(14041701)	398702.36
3736937.20	4.37298 (14051901)			
398895.63	3736937.20	4.85963	(13053102)	399088.90
3736937.20	5.55217 (13122617)			
399282.17	3736937.20	6.27494	(12052324)	399475.44
3736937.20	7.16931 (14121119)			
399668.71	3736937.20	7.87446	(16122323)	399861.98
3736937.20	8.97479 (16062020)			

400055.25	3736937.20	9.18246	(15030118)	400248.52
3736937.20	9.72223 (16122324)			
400441.79	3736937.20	7.99187	(16062619)	400635.06
3736937.20	8.50841 (16122401)			
400828.33	3736937.20	7.89309	(12030122)	401021.60
3736937.20	6.95559 (14103124)			
401214.87	3736937.20	5.79045	(13100905)	401408.14
3736937.20	5.44770 (16121606)			
401601.41	3736937.20	4.85938	(15121023)	401794.68
3736937.20	4.31224 (13102818)			
401987.95	3736937.20	3.87290	(13102818)	402181.22
3736937.20	3.47674 (15022722)			
398315.82	3737113.02	3.31845	(14112921)	398509.09
3737113.02	3.69635 (13050521)			
398702.36	3737113.02	4.08794	(15091504)	398895.63
3737113.02	4.52520 (14022805)			
399088.90	3737113.02	5.02691	(13041201)	399282.17
3737113.02	5.60021 (14121119)			
399475.44	3737113.02	6.18904	(14022703)	399668.71
3737113.02	6.80012 (15101301)			
399861.98	3737113.02	7.46313	(12052319)	400055.25
3737113.02	7.51658 (16063019)			
400248.52	3737113.02	7.87867	(16122324)	400441.79
3737113.02	7.17425 (16062619)			
400635.06	3737113.02	7.10859	(15100404)	400828.33
3737113.02	6.65855 (14022821)			
401021.60	3737113.02	5.96658	(16013019)	401214.87
3737113.02	5.57959 (14103124)			
401408.14	3737113.02	4.86017	(13100905)	401601.41
3737113.02	4.42564 (13021921)			
401794.68	3737113.02	4.00967	(13021921)	401987.95
3737113.02	3.69303 (15121023)			
402181.22	3737113.02	3.36733	(13102818)	398315.82
3737288.84	3.16836 (13053102)			
398509.09	3737288.84	3.56325	(15091504)	398702.36
3737288.84	3.81971 (12101805)			
398895.63	3737288.84	4.14561	(13041201)	399088.90
3737288.84	4.58949 (13111502)			
399282.17	3737288.84	5.02539	(14022703)	399475.44
3737288.84	5.49157 (16122323)			
399668.71	3737288.84	5.92423	(12031705)	399861.98
3737288.84	6.27657 (12052424)			

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***
 INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
400055.25	3737288.84	6.41080 (14031218)	400248.52
3737288.84	6.54824 (16122324)		
400441.79	3737288.84	6.28308 (16062619)	400635.06
3737288.84	5.85540 (15100404)		
400828.33	3737288.84	5.90084 (14022821)	401021.60
3737288.84	5.49460 (12030122)		
401214.87	3737288.84	4.75227 (16013019)	401408.14
3737288.84	4.60765 (14103124)		
401601.41	3737288.84	4.14547 (13100905)	401794.68
3737288.84	3.72520 (13021921)		
401987.95	3737288.84	3.48989 (13021921)	402181.22
3737288.84	3.21142 (15121023)		
398315.82	3737464.66	3.05614 (16092206)	398509.09
3737464.66	3.34154 (12101805)		
398702.36	3737464.66	3.55301 (14072503)	398895.63
3737464.66	3.87551 (13050504)		
399088.90	3737464.66	4.20089 (15030121)	399282.17
3737464.66	4.48959 (16122318)		
399475.44	3737464.66	4.92922 (15101301)	399668.71
3737464.66	5.22690 (12042819)		
399861.98	3737464.66	5.47784 (12052424)	400055.25
3737464.66	5.57385 (14031218)		
400248.52	3737464.66	5.67080 (16030604)	400441.79
3737464.66	5.54285 (16062619)		
400635.06	3737464.66	5.22811 (15061219)	400828.33
3737464.66	5.17860 (15100404)		
401021.60	3737464.66	4.80101 (14022821)	401214.87
3737464.66	4.54505 (16013019)		
401408.14	3737464.66	4.03498 (14103124)	401601.41
3737464.66	3.87333 (14103124)		
401794.68	3737464.66	3.58463 (13100905)	401987.95
3737464.66	3.25529 (13100904)		
402181.22	3737464.66	3.05262 (13021921)	398315.82
3737640.48	2.90877 (12101805)		
398509.09	3737640.48	3.11312 (14072503)	398702.36
3737640.48	3.33342 (13050504)		

398895.63	3737640.48	3.60025	(15030121)	399088.90
3737640.48	3.84591 (14121121)			
399282.17	3737640.48	4.12215	(15101301)	399475.44
3737640.48	4.47734 (13050519)			
399668.71	3737640.48	4.64207	(15100323)	399861.98
3737640.48	4.79165 (12052424)			
400055.25	3737640.48	4.92041	(14031218)	400248.52
3737640.48	4.97241 (16030604)			
400441.79	3737640.48	4.85627	(16062619)	400635.06
3737640.48	4.70393 (15061219)			
400828.33	3737640.48	4.61860	(15100404)	401021.60
3737640.48	4.41839 (14022821)			
401214.87	3737640.48	4.13162	(12030122)	401408.14
3737640.48	3.88007 (16013019)			
401601.41	3737640.48	3.55314	(14103124)	401794.68
3737640.48	3.34793 (14103124)			
401987.95	3737640.48	3.16791	(13100905)	402181.22
3737640.48	2.89866 (13100904)			
400183.47	3736330.86	38.62408	(16030606)	400058.04
3736334.23	32.89493 (16122320)			
400034.41	3736331.98	31.17940	(16122319)	399992.23
3736340.98	28.20301 (12052423)			
399987.17	3736329.73	28.10668	(12052423)	399960.17
3736333.11	26.55682 (14121122)			
399923.61	3736330.86	24.14701	(14121122)	399928.11
3736303.86	24.84623 (14121122)			
399924.73	3736261.11	24.85839	(12101804)	399970.85
3736250.42	29.44602 (14121122)			
399966.92	3736222.30	26.74126	(12101804)	399984.92
3736222.86	29.65056 (14121123)			
399993.35	3736034.43	49.99130	(13100421)	400179.53
3736035.55	173.64936 (13100505)			
400190.22	3736034.99	123.77452	(13100505)	

^ *** AERMOD - VERSION 19191 *** ** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848

HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ALL	1ST HIGHEST VALUE IS	23.12134 AT (	400248.52, 3736058.10, 3.35,
3.35,	0.00) DC		
	2ND HIGHEST VALUE IS	3.42427 AT (	400248.52, 3736233.92, 2.94,
2.94,	0.00) DC		
	3RD HIGHEST VALUE IS	1.65770 AT (	400441.79, 3735882.28, 2.91,
2.91,	0.00) DC		
	4TH HIGHEST VALUE IS	1.59589 AT (	400190.22, 3736034.99, 3.39,
3.39,	0.00) DC		
	5TH HIGHEST VALUE IS	1.57073 AT (	400179.53, 3736035.55, 3.40,
3.40,	0.00) DC		
	6TH HIGHEST VALUE IS	1.52404 AT (	400441.79, 3736058.10, 2.96,
2.96,	0.00) DC		
	7TH HIGHEST VALUE IS	1.26070 AT (	400635.06, 3735882.28, 2.81,
2.81,	0.00) DC		
	8TH HIGHEST VALUE IS	1.10549 AT (	400248.52, 3736409.74, 3.08,
3.08,	0.00) DC		
	9TH HIGHEST VALUE IS	1.09682 AT (	400183.47, 3736330.86, 3.30,
3.30,	0.00) DC		
	10TH HIGHEST VALUE IS	1.08718 AT (	400182.79, 3736331.95, 3.33,
3.33,	0.00) DC		

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR
----------	-------------------------	--------------------	----------

(XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL HIGH 1ST HIGH VALUE IS 499.34135 ON 14061213: AT (400248.52,
3736058.10, 3.35, 3.35, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1017 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 747 Calm Hours Identified

A Total of 270 Missing Hours Identified (0.62 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 101 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 101 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 3010232.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 6069
Receptor(s)

with: 1 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and
Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 10.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.2 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: OCSD E-GEN.err

**File for Summary of Results: OCSD E-GEN.sum

▲ *** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR
(1=YES; 0=NO)

PROCESSING ***

```

      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
(METERS/SEC)

CATEGORIES ***

1.54, 3.09, 5.14, 8.23,
10.80,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

```

Surface file:   ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC
              Met Version: 16216
Profile file:   ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL

Surface format: FREE

Profile format: FREE

```


Surface station no.: 23129
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-5.3	0.094	-9.000	-9.000	-999.	70.	14.3	0.10	2.68	
1.00	1.13	322.		7.9	282.0	2.0								
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.		7.9	281.4	2.0								
12	01	01	1	03	-2.5	0.068	-9.000	-9.000	-999.	43.	11.4	0.10	2.68	
1.00	0.74	79.		7.9	280.9	2.0								
12	01	01	1	04	-3.2	0.075	-9.000	-9.000	-999.	49.	11.7	0.10	2.68	
1.00	0.86	137.		7.9	280.9	2.0								
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.		7.9	280.4	2.0								
12	01	01	1	06	-5.2	0.093	-9.000	-9.000	-999.	68.	14.0	0.10	2.68	
1.00	1.11	92.		7.9	279.9	2.0								
12	01	01	1	07	-2.3	0.066	-9.000	-9.000	-999.	41.	11.5	0.10	2.68	
1.00	0.69	67.		7.9	278.8	2.0								
12	01	01	1	08	-1.7	0.060	-9.000	-9.000	-999.	36.	11.4	0.10	2.68	
0.54	0.65	91.		7.9	279.9	2.0								
12	01	01	1	09	36.2	-9.000	-9.000	-9.000	37.	-999.	-99999.0	0.10	2.68	
0.31	0.00	0.		7.9	283.8	2.0								
12	01	01	1	10	108.4	0.139	0.707	0.009	119.	124.	-2.3	0.10	2.68	
0.24	0.92	319.		7.9	287.5	2.0								
12	01	01	1	11	160.5	0.114	1.137	0.005	334.	93.	-1.0	0.10	2.68	
0.21	0.62	23.		7.9	292.5	2.0								
12	01	01	1	12	186.7	0.125	1.473	0.005	623.	105.	-1.0	0.10	2.68	
0.20	0.69	18.		7.9	295.4	2.0								
12	01	01	1	13	186.8	0.130	1.761	0.005	1065.	112.	-1.1	0.10	2.68	
0.20	0.74	250.		7.9	297.5	2.0								
12	01	01	1	14	161.7	0.150	1.834	0.005	1387.	139.	-1.9	0.10	2.68	
0.21	0.96	347.		7.9	300.4	2.0								
12	01	01	1	15	105.5	0.243	1.633	0.005	1499.	288.	-12.4	0.10	2.68	
0.24	2.11	194.		7.9	295.9	2.0								
12	01	01	1	16	32.4	0.211	1.109	0.005	1530.	233.	-26.3	0.10	2.68	
0.33	1.98	186.		7.9	295.4	2.0								
12	01	01	1	17	-20.5	0.250	-9.000	-9.000	-999.	300.	69.2	0.10	2.68	
0.60	2.81	293.		7.9	291.4	2.0								
12	01	01	1	18	-25.4	0.257	-9.000	-9.000	-999.	313.	72.8	0.10	2.68	
1.00	2.90	301.		7.9	288.1	2.0								
12	01	01	1	19	-21.0	0.211	-9.000	-9.000	-999.	233.	49.0	0.10	2.68	
1.00	2.40	313.		7.9	286.4	2.0								
12	01	01	1	20	-25.7	0.258	-9.000	-9.000	-999.	315.	73.3	0.10	2.68	

```

1.00  2.91  302.    7.9  286.4    2.0
  12 01 01   1 21 -22.5  0.225 -9.000 -9.000 -999.  256.    55.7  0.10  2.68
1.00  2.55  306.    7.9  285.4    2.0
  12 01 01   1 22  -9.3  0.126 -9.000 -9.000 -999.  111.    19.5  0.10  2.68
1.00  1.48  284.    7.9  285.9    2.0
  12 01 01   1 23 -21.4  0.214 -9.000 -9.000 -999.  237.    50.3  0.10  2.68
1.00  2.43  282.    7.9  285.4    2.0
  12 01 01   1 24 -30.1  0.300 -9.000 -9.000 -999.  394.    98.9  0.10  2.68
1.00  3.36  300.    7.9  284.2    2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
12 01 01 01    7.9 1  322.    1.13  282.1  99.0  -99.00 -99.00

```

F indicates top of profile (=1) or below (=0)

```

^ *** AERMOD - VERSION 19191 ***    *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                      ***    10/21/20
*** AERMET - VERSION 16216 ***    ***
***                               ***    10:15:03

```

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848

HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		
ALL	1ST HIGHEST VALUE IS	23.12134 AT (400248.52, 3736058.10,	3.35,
	3.35, 0.00) DC		
	2ND HIGHEST VALUE IS	3.42427 AT (400248.52, 3736233.92,	2.94,
	2.94, 0.00) DC		
	3RD HIGHEST VALUE IS	1.65770 AT (400441.79, 3735882.28,	2.91,
	2.91, 0.00) DC		
	4TH HIGHEST VALUE IS	1.59589 AT (400190.22, 3736034.99,	3.39,
	3.39, 0.00) DC		
	5TH HIGHEST VALUE IS	1.57073 AT (400179.53, 3736035.55,	3.40,
	3.40, 0.00) DC		
	6TH HIGHEST VALUE IS	1.52404 AT (400441.79, 3736058.10,	2.96,
	2.96, 0.00) DC		

7TH HIGHEST VALUE IS 1.26070 AT (400635.06, 3735882.28, 2.81,
 2.81, 0.00) DC
 8TH HIGHEST VALUE IS 1.10549 AT (400248.52, 3736409.74, 3.08,
 3.08, 0.00) DC
 9TH HIGHEST VALUE IS 1.09682 AT (400183.47, 3736330.86, 3.30,
 3.30, 0.00) DC
 10TH HIGHEST VALUE IS 1.08718 AT (400182.79, 3736331.95, 3.33,
 3.33, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YMMDDHH)	RECEPTOR

ALL HIGH 1ST HIGH VALUE IS 499.34135 ON 14061213: AT (400248.52,
 3736058.10, 3.35, 3.35, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 19191 *** *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
 E-GEN.isc *** 10/21/20
 *** AERMET - VERSION 16216 *** ***
 *** 10:15:03

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1017 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 747 Calm Hours Identified

A Total of 270 Missing Hours Identified (0.62 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 101 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 101 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

HARP2 - HRACalc (dated 19044) 10/21/2020 10:26:45 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: RMP

****Worker Adjustment Factors****
Worker adjustment factors enabled: NO

****Fraction at time at home****
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

TIER 2 SETTINGS
Tier2 not used.

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\OCSD E-Gen\HARP\OCSD E-GEN\hra\ResCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\OCSD\OCSD
E-Gen\HARP\OCSD E-GEN\hra\ResCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\OCSD E-Gen\HARP\OCSD
E-GEN\hra\ResNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\OCSD\OCSD
E-Gen\HARP\OCSD E-GEN\hra\ResNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\OCSD E-Gen\HARP\OCSD E-GEN\hra\ResNCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\OCSD\OCSD
E-Gen\HARP\OCSD E-GEN\hra\ResNCAcuteRiskSumByRec.csv
HRA ran successfully

