APPENDIX A

NOTICE OF PREPARATION

ORANGE COUNTY SANITATION DISTRICT

THIS PROJECT COULD INTEREST YOU

Secondary Treatment and Plant Improvement Project
Fountain Valley and Huntington Beach

Project:

The Orange County Sanitation District (District) is proposing to rehabilitate existing facilities and construct new facilities at the existing Reclamation Plant No. 1 in Fountain Valley and Treatment Plant No. 2 in Huntington Beach.

The Problem Statement:

The District plans to upgrade both of its treatment plants to meet secondary treatment standards for projected 2020 effluent flow. Six projects at each plant have been identified as part of this upgrade. In addition to rehabilitation and upgrade of existing facilities, a new activated sludge system is proposed at Plant No. 1 and new trickling filters are proposed at Plant No. 2.

Purpose of NOP:

The purpose of the Notice of Preparation (NOP) is to:

- Describe the proposed project
- Describe the location of the project
- Describe the probable environmental effects of the project that will be evaluated in a Subsequent Environmental Impact Report (SEIR)
- Solicit public input for 30-days regarding the proposed project scope and content to be analyzed in the SEIR

How to Comment:

In accordance with the time limits mandated by California Environmental Quality Act (CEQA), **written responses to the NOP must be received by April 23, 2003.**

OCSD will also accept comments and suggestions on the proposed project at a **scoping meeting to be held on Thursday, April 1, 2004, from 6 to 8 p.m.** at the District's Administrative Office at 10844 Ellis Avenue, Fountain Valley, CA 92708.

Who we are:

The Orange County Sanitation District is the public agency responsible for safely collecting, treating, and disposing wastewater (sewage) and industrial waste for most of Orange County. The District is the third largest wastewater treatment agency west of the Mississippi River, serving over 2.3 million people. The District is governed by a 25-member board of directors comprised of local member sewer agencies and cities within the District's 470-square-mile service area.

Further Information:

To view the NOP or for further details regarding the CEQA process visit www.ocsd.com or contact:

Jim Herberg
jherberg@ocsd.com
714/593-7310

OCSD is committed to protect public health and the environment by developing, integrating, and implementing fiscally responsible solutions to wastewater, water reclamation, and watershed protection issues.

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Member Agencies

Cities

Anaheim
Brea
Buena Park
Cypress
Fountain Valley
Fullerton
Garden Grove
Huntington Beach
Irvine
La Habra
La Palma
Los Alamitos
Newport Beach
Orange
Placentia
Santa Ana
Seal Beach
Stanton
Tustin
Villa Park
Yorba Linda

County of Orange

Sanitary Districts

Costa Mesa
Midway City

Water Districts

Irvine Ranch

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Notice of Preparation

Date March 15, 2004

To: Responsible and Trustee Agencies and Interested Parties

Subject Notice of Preparation (NOP) of a Subsequent Environmental Impact Report for Secondary Treatment and Plant Improvement Project (Job No. J-40-10)

The Orange County Sanitation District (District) is the lead agency under the California Environmental Quality Act (CEQA) for the preparation of a Subsequent Environmental Impact Report (SEIR) for the upgrade of Reclamation Plant No. 1 and Treatment Plant No. 2 (Plants No. 1 and No. 2) in the Cities of Fountain Valley and Huntington Beach, California. The SEIR supplements the District's Strategic Plan Program Environmental Impact Report (PEIR) certified in October 1999. In July 2002, the District committed to upgrading the level of wastewater treatment at both of its treatment plants to achieve secondary treatment standards. Numerous construction projects within the boundaries of the treatment plants have been identified to meet this goal. As a group, the projects constitute the Secondary Treatment and Plant Improvement Project (Project).

The 1999 PEIR evaluated six alternatives at an equal level of detail, including a full-secondary treatment alternative. Many of the individual facilities identified in the Project were evaluated in the 1999 PEIR under Scenarios 3 and 4, however, some of these previously identified projects have since changed. In addition, some facilities were not previously identified in the 1999 PEIR. As such, the District determined that substantial changes to the secondary treatment facilities identified in the 1999 PEIR have occurred that require revisions to the 1999 PEIR. This SEIR will evaluate these changes and disclose any new impacts that were not identified or adequately addressed in the 1999 PEIR.

The District is soliciting the views of interested persons and agencies as to the scope and content of the environmental information to be evaluated in the SEIR. In accordance with CEQA, agencies are requested to review the project description provided in this NOP and provide comments on environmental issues related to the statutory responsibilities of the agency. The SEIR will address written comments submitted during this initial review period and these will be addressed in the preparation of the SEIR. In accordance with the time limits mandated by CEQA, responses to the NOP must be received by the District no later than 30 days after receipt of this notice. We request that comments to this NOP be received no later than April 23, 2004. Please use the NOP Response Form provided in Attachment A and send your comments to Jim Herberg at the address shown below. Please include a return address and contact name with your comments.

Project Title: Secondary Treatment and Plant Improvement Project

Signature: J Herberg

Title: Engineering Manager

Address: Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708
Attn: Jim Herberg

Telephone: (714) 593-7310

INTRODUCTION

The Orange County Sanitation District (District) is proposing to upgrade the level of wastewater treatment at both of its treatment plants to meet secondary treatment standards for the projected 2020 effluent flow of 240 to 320 million gallons per day (mgd). The District currently discharges a blend of advanced primary and secondary treated effluent. Disinfection facilities were installed in 2002. The District is proposing numerous projects to refurbish existing facilities or construct new facilities to meet the secondary treatment standards for all effluent discharged through the ocean outfall. The projects also incorporate routine repairs, replacement, and minor modifications to the facilities that are ordinarily performed on an ongoing basis. This group of projects constitutes the Secondary Treatment and Plant Improvement Project. This Notice of Preparation (NOP) has been prepared to notify interested parties pursuant to California Environmental Quality Act (CEQA) requirements that the District, as the lead agency, is beginning preparation of a Subsequent Environmental Impact Report (SEIR) to assess the Secondary Treatment and Plant Improvement Project.

In October of 1999, the District certified a Program Environmental Impact Report (1999 PEIR) assessing the District's 20-year Strategic Plan. The 1999 PEIR evaluated six alternative treatment scenarios, including two scenarios that would have achieved full secondary treatment for all effluent discharged through the ocean outfall. The 1999 PEIR provided a program-level analysis of long-term planning strategies and project-level analysis of near-term (up to year 2005) capital improvement projects. In October 1999, the District approved the partial secondary alternative (Scenario 2).

In July 2002, the District Board of Directors directed the District staff to immediately proceed with the planning, design, and implementation of treatment methods that will allow the District to meet Federal Clean Water Act secondary treatment standards (Resolution No. OCSD 02-14, July 17, 2002). The Interim Strategic Plan Update (Update), completed in 2002, and the Full Secondary Treatment Summary Report, prepared in July 2003, identified the proposed improvements and rehabilitation projects required to provide secondary treatment at the existing plants through the year 2020. Many of the facilities needed to upgrade to full secondary were identified and analyzed in the 1999 PEIR under Scenarios 3 and 4.[1] However, since the PEIR was certified, some projects have been modified and new projects have been added that were not included in the 1999 Strategic Plan and consequently not analyzed in the 1999 PEIR. Therefore, the District is preparing a SEIR pursuant to the CEQA Guidelines, Section 15162 to address changes to the previously identified secondary treatment facilities.

PROJECT BACKGROUND

The District provides wastewater services to approximately 2.3 million people within a 450-square mile area of northern and central Orange County. The District operates the third largest wastewater system on the West Coast, consisting of over 650 miles of trunk and subtrunk sewers, two regional

[1] Facilities for secondary treatment under Scenarios 3 and 4 are described on p. 3-15 (Plant 1) and 3-23 (Plant 2) and Tables 3-7 and 3-8.

wastewater treatment plants, and an ocean disposal system. **Figure 1** shows the District's service area.

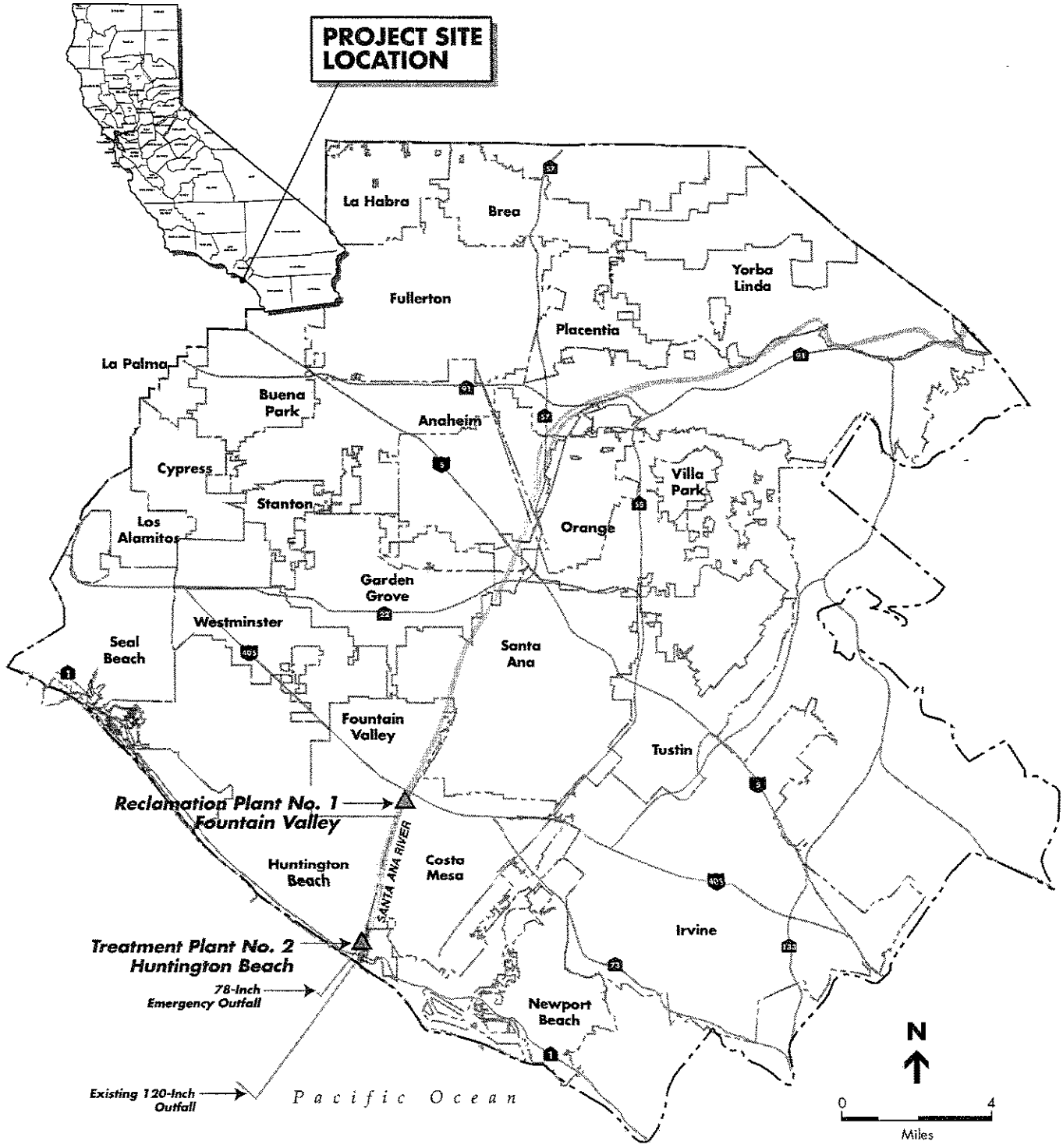
The District was formed in 1946 under the County Sanitation District Act of 1923 as a single purpose entity, providing wastewater treatment for northern and central Orange County. The District began full operation in 1954 with a network of trunk sewers, two treatment plants, and a 7,200-foot long, 78-inch diameter ocean outfall with a design rated capacity of 240 mgd. A new 120-inch diameter ocean outfall with a design rated capacity of 480 mgd was installed in 1971. This outfall, currently in service, extends approximately four miles into the ocean where it connects with a diffuser extending another 6,000 feet northward. The effluent discharged to the ocean is a blend of advanced primary and secondary treated wastewater as specified in the District's National Pollutant Discharge Elimination System (NPDES) permit issued jointly by the Santa Ana Regional Water Quality Control Board (RWQCB) and the U.S. Environmental Protection Agency (U.S. EPA).

Plant No. 1 is located in the City of Fountain Valley about four miles northeast of the ocean and adjacent to the Santa Ana River. The plant is located on approximately 108 acres bounded on the north by Ellis Avenue, Orange County Water District (OCWD) and Ward Street on the west, Garfield Avenue on the south, and the Santa Ana River (SAR) on the east. The District's administrative offices are located at the northern end of the plant, while the treatment facilities cover the eastern portion of the plant. The southwestern portion of the site is either undeveloped or leased for other uses (i.e., auto parts/wrecking yard). The plant receives wastewater from six major sewer pipes and provides advanced primary and secondary treatment. Secondary effluent is either blended with advanced primary effluent and routed to the ocean disposal system, or is sent to OCWD for further treatment and distribution for reclaimed water uses.

Plant No. 2 is located in the City of Huntington Beach adjacent to the SAR about 1,500 feet from the Pacific Ocean. The plant is located on approximately 110 acres bounded by Brookhurst Street on the northwest, Pacific Coast Highway on the southwest, and the SAR on the east. The existing treatment facilities occupy the southern two-thirds of the site, with the area to the northeast remaining undeveloped. The plant receives wastewater from five major sewers and provides a mix of advanced primary and secondary treatment. All of the effluent from the plant is discharged to the ocean outfall disposal system.

PROJECT DESCRIPTION

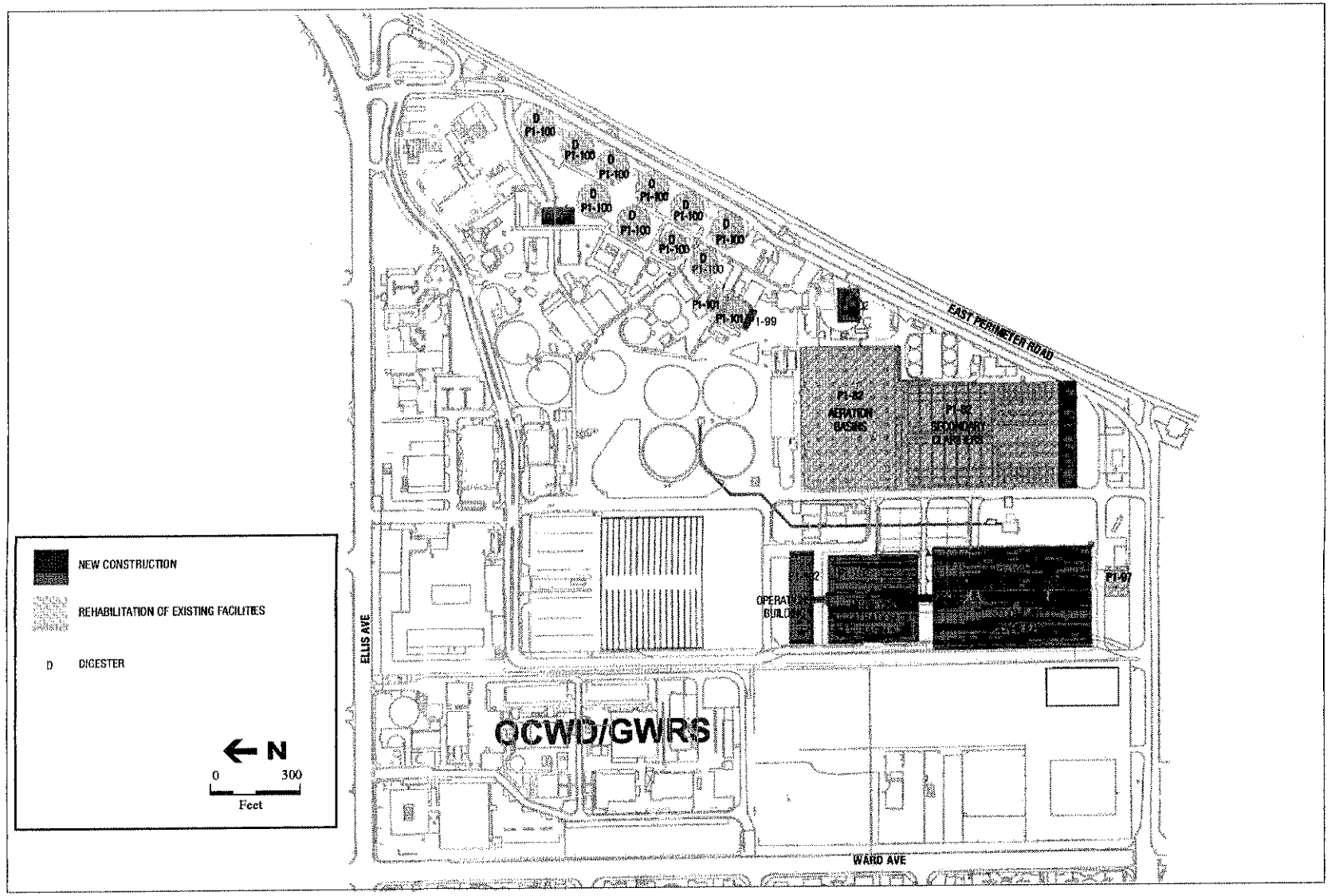
The Secondary Treatment and Plant Improvement Project consists of the projects listed in **Table 1**. All of the projects would take place within the existing treatment plant boundaries. Most of the projects involve rehabilitating existing facilities. Projects P1-102 and P2-90 are large construction projects that would add substantial new facilities. These two projects were included conceptually in the 1999 PEIR. Each of the proposed projects is described below. **Figures 2** and **3** identify the construction areas for new facilities on each plant site.



SOURCE: Environmental Science Associates

Secondary Treatment and Plant Improvement Project / 203472 ■

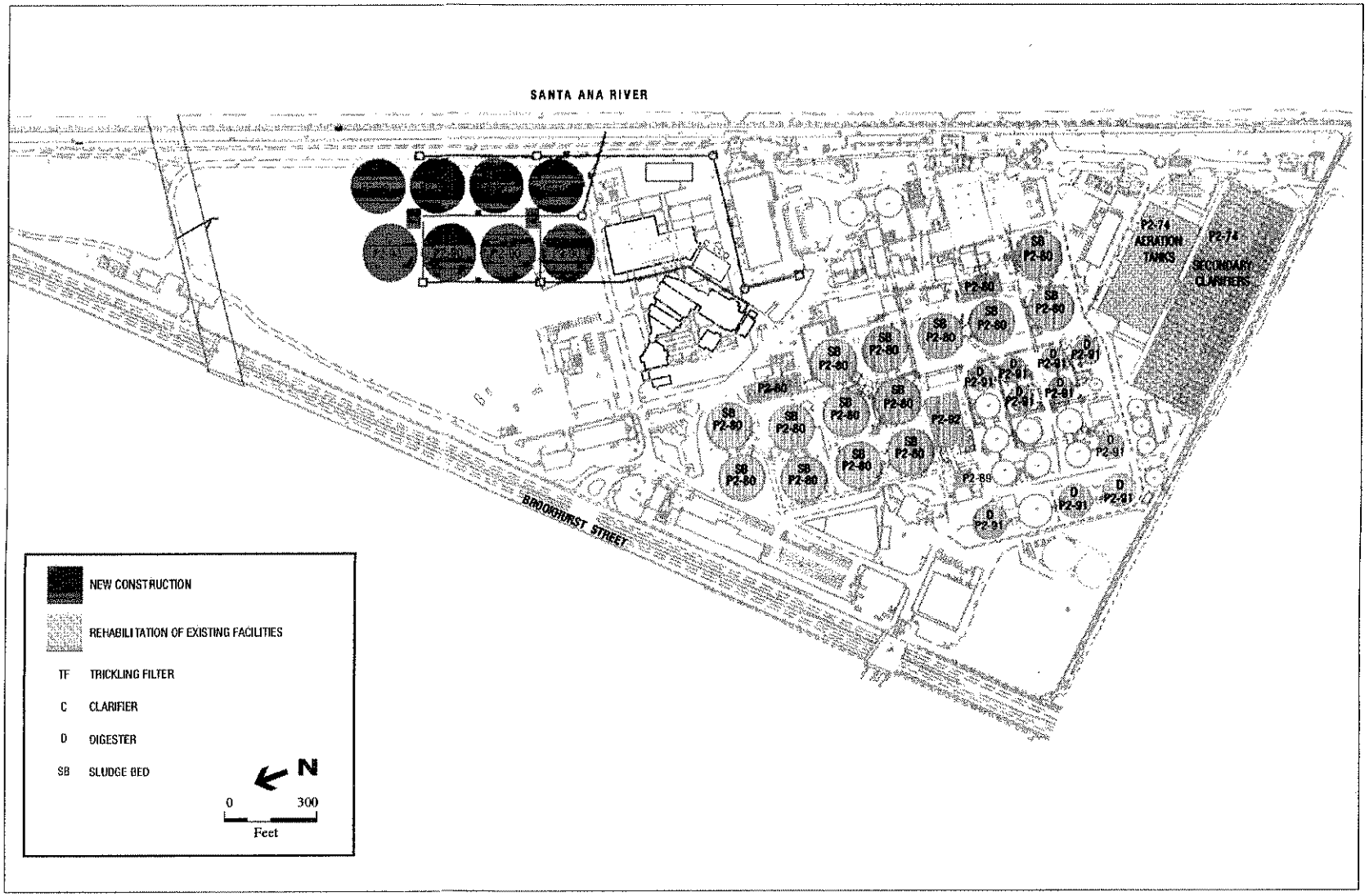
Figure 1
OCSD Service Area



SOURCE: IPMC 2003

Figure 2

Proposed Site Plan For Treatment Plant No. 1



SOURCE: IPMC 2003

Figure 3

Proposed Site Plan For Treatment Plant No. 2

Table 1
Proposed Improvements Required for Full Secondary Treatment at Plant Nos. 1 and 2

LOCATION	PROJECT	ADDRESSED IN PEIR? (YES/NO)	TITLE	CONSTRUCTION SCHEDULE
Plant No. 1	P1-82	N	Activated Sludge Rehabilitation	2005-2006
	P1-97	N	Plant No. 1 66KV Substation	2005-2006
	P1-99	Y	Digesters, Centrifuge/Press & Cake Storage Hopper or Primary Sludge Thickening	2007-2009
	P1-100	Y	Sludge Digester Rehabilitation at Plant No. 1	2006-2009
	P1-101	N	Sludge Dewatering and Odor Control at Plant No. 1	2007-2009
	P1-102	Y	Secondary Activated Sludge Facility 2 at Plant No. 1	2007-2012
Plant No. 2	P2-74	Y	Rehabilitation of the Activated Sludge Plant	2005-2008
	P2-80	N	Primary Treatment Rehab/Refurbish	2006-2009
	P2-89	Y	Rehabilitation of Solids Storage Silos A & B	2007-2010
	P2-90	Y	Trickling Filters	2007-2011
	P2-91	Y	Digester Rehabilitation at Plant No. 2	2007-2010
	P2-92	N	Sludge Dewatering and Odor Control at Plant No. 2	2008-2010

In addition to the rehabilitation and construction projects listed above, the District performs repairs, replacements and minor modifications at both plants on an ongoing basis.

PLANT NO. 1 – FOUNTAIN VALLEY

P1-82 Activated Sludge Rehabilitation. The project would rehabilitate the activated sludge facility to improve reliability and operational efficiency of the existing 80 million gallon a day of secondary treatment at Plant No. 1. This project was included in the 1999 PEIR. The project would not increase treatment capacity. Construction would last approximately 15 months, beginning in September 2005 and ending in December 2006. Approximately 7,500 cubic yards (cy) of soil would be removed from the site. Demolition of a pipeline and one concrete connecting wall of the existing clarifiers would be required. Approximately 200 piles will be driven for approximately one month during the construction period. Main elements of the project include:

- Rehabilitation and/or replacement of the aeration basin splitter box, feed gates, associated pipes, valves, control strategies, and equipment to link mechanisms to the secondary clarifiers;
- Addition of a nitrification process to remove ammonia and reduce toxicity;
- Construction of two new clarifiers that will serve as storage basins while the existing clarifiers are being serviced or repaired;

- Removal of two 15,000 gallon underground fuel tanks to be replaced with one 10,000 gallon above ground diesel tank that will be connected to two new standby generators that will replace the existing generators;
- Upgrade of the electrical equipment.

P1-97 Plant No. 1 66KV Substation. This project involves the construction of a new substation just west of the existing Plant No. 1 Electric Service Center Building that will allow OCSD to take power from Southern California Edison (SCE) at 66,000 Volts rather than the present 12,000 Volts. The substation will provide approximately twice the amount of power that is presently available from the existing incoming service.

The substation will be constructed on a concrete foundation with a footprint of approximately 150 feet by 100 feet. Pile driving will be required. There will be some minor excavation (4 feet deep) for the underground electrical conduits. Approximately 20 cy of soil would be removed. No dewatering would be required. Construction will last approximately two years, starting in 2005 and ending in 2006.

P1-99 Digesters, Centrifuge/Press & Cake Storage Hopper or Primary Sludge Thickening. The project would provide additional sludge treatment and modify the Headworks facilities at Plant No. 1. The project was identified in the 1999 PEIR. As originally scoped, the project would include demolition of Headworks No. 1, upgrade of Headworks No. 2, two new digesters, an additional centrifuge or two new belt presses and two sludge hoppers. Currently, a project for primary sludge thickening is being considered as an alternative to the original project. This alternative project would include of demolition of Headworks No. 1, upgrade of Headworks No.2, centrifuges or gravity belt thickeners for primary sludge thickening, new buildings, new odor control systems and new polymer systems. The construction phase is expected to last 2 years from late 2007 to late 2009.

P1-100 Sludge Digester Rehabilitation at Plant No. 1. Project P1-100 would rehabilitate Digesters 5 through 16, including rehabilitation of associated sludge pumping, heating and miscellaneous other structural, mechanical, electrical and control systems. This project was included in the 1999 PEIR. No new structures would be built. No excavation or demolition would be necessary. Construction schedule would require approximately three years, beginning in 2006 and ending in 2009. Main elements of the project include:

- Cleaning and rehabilitation of Digesters 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16;
- Re-lining of Digesters 5, 6, 7, 8, 9 and 10;
- Replacement of sludge pumps and heat exchangers;
- Replacement of miscellaneous piping;
- Upgrade of electrical and control systems to current District standards.

P1-101 Sludge Dewatering and Odor Control at Plant No. 1. Project No. P1-101 would replace the existing sludge dewatering belt presses with centrifuges. This project was not included in the 1999 PEIR. Existing solids area odor control systems would be replaced as well as associated sludge pumping, cake conveyance, chemical feed, ventilation and miscellaneous other structural,

mechanical, electrical and control systems. The project would include the demolition of existing structures and construction of new facilities. Some excavation would be required. The construction would last approximately two years, beginning in 2007 and ending in 2009. Main elements of the project include:

- Replacement of belt filter presses with dewatering centrifuges;
- Upgrade, expansion, or replacement of existing structures;
- Upgrade or replacement of sludge pumping systems;
- Upgrade or replacement of cake conveyance and pumping systems;
- Upgrade or replacement of sludge dewatering chemical feed systems;
- Replacement of dewatering/solids area odor scrubbers located adjacent to Digester 7;
- Replacement of odor scrubbers;
- Upgrade or replacement of foul air ventilation systems;
- Expansion of the cake loadout building for odor containment;
- Upgrade of electrical and control systems to current District standards;

Additional elements of the project may include:

- Installation of new sludge thickening centrifuges;
- Additional sludge pumping systems;
- Additional chemical feed systems and other appurtenant systems to support sludge thickening process.

P1-102 Secondary Activated Sludge Facility 2 at Plant No. 1. Project P1-102 is a new, 80 mgd activated sludge system at Plant No. 1. This project was included in the 1999 PEIR. The proposed system would have a design similar to the existing activated sludge system. The system would include nitrification. The project would involve substantial excavation, dewatering, construction, including reinforced concrete piles, and demolition. Approximately 200,000 cubic yards of soil would be removed. Project construction would last approximately 4-1/2 years, beginning in June 2007 and ending in January 2012. Startup, testing, and commissioning would continue until November 2012. The major project elements include the following:

- One Primary Effluent Pump Station. The pump station would be equipped with four 300 horse power (hp) pumps (40 mgd each).
- Ten aeration basins similar to existing basins. Each basin would be 8,800 sf (275 feet x 32 feet) and 25 feet deep. Each basin would be designed for nitrification including concrete covers similar to existing activated sludge system.
- Twenty six secondary clarifier basins. Each basin would be 6,000 sf (150 feet x 40 feet) and 15 feet deep, similar to existing clarifiers.
- Two Return Activated Sludge Stations. Each station would consist of four pumps (20 mgd each) 150 hp each with variable frequency drives.
- Two Waste Activated Sludge Stations. Each station would consist of three pumps (2 mgd each) 50 hp each with variable frequency drives.
- Three blowers. Each blower would have a capacity of 35,000 cubic feet per minute.

- Operations building. The structure would consist of the blower room, control room and power distribution room.
- Utility Tunnels. The tunnel system would enclose piping and electrical conduits and connect the operations building basement, aeration basin galleries, activated sludge galleries and secondary clarifier galleries. The tunnel would be sized to accommodate process piping, electrical and instrumentation conduit, as well as personnel access and maintenance carts.
- Chlorination System (bleach). The system would be used for activated sludge and effluent disinfection.
- Waste Activated Sludge Dewatering Facility. The facility would consist of a minimum of two Gravity Belt Thickeners, pumping to digesters, polymer storage and feed system, and a building with ventilation and odor control.
- Demolish Information Technology trailers.
- Demolish Power Building No. 1.
- Modifications to Power Building No. 2 and No. 5. Modifications would include replacement of switchgear, circuit breakers, and installation of resistance grounding, etc.

PLANT NO. 2 – HUNTINGTON BEACH

P2-74 Rehabilitation of the Activated Sludge Plant. Project P2-74 would rehabilitate the secondary treatment system at Plant No. 2. No new structures would be built and no excavation is anticipated. The project was not included in the 1999 PEIR. Construction is expected to start in November 2005 and be completed in May 2008. The major project elements include the following:

- Change Pump No. 1 in the Primary Effluent Pump Station from a constant speed to a variable speed drive and rehabilitate the pump discharge header.
- Replace aeration basin splitter box gates and covers. Add odor control.
- Modify aeration basins to handle diurnal peak flows.
- Connect the east and west Return Activated Sludge (RAS) lines and install chlorine injection to the RAS lines.
- Miscellaneous improvements to the east and west RAS pump stations.
- Rehabilitation of the channel air blower system.
- Improve the flow split to the secondary clarifiers. Install sludge blanket level indicators, rehabilitate gate, and other miscellaneous improvements.
- Automate the secondary system.

P2-80 Primary Treatment Rehabilitation/ Refurbishment. Project P2-80 would rehabilitate the primary treatment system at Plant No.2. The project was not included in the 1999 PEIR. Only minor excavation work would be required for piping below the clarifier slab. Approximately 25 cubic yards of soil would be excavated. Demolition work would consist of removal of the aluminum domes over each of the clarifiers. No new structures would be built and treatment capacity would not increase. Construction would last approximately three years, beginning in March 2006 and ending in April 2009. The major project elements include the following:

- Modify odor control systems at the north and south scrubber complexes from the current single stage chemical scrubbers to two stage systems that include a biotower followed by chemical scrubbing.
- Rehabilitate the 14 circular primary clarifiers. Replace domed covers over the circular clarifiers with flat covers.

P2-89 Rehabilitation of Solids Storage Silos A & B. Project P2-89 would rehabilitate the solids storage and transfer facilities at Plant No. 2. The project was included in the 1999 PEIR. Construction would last approximately four years, beginning in February 2007 and ending in November 2010. The major project elements include the following:

- Rehabilitation of two existing silos.
- Replacement of the sludge conveyors, transfer equipment and truck delivery system.
- Rehabilitate the polymer system at the Dissolved Air Flotation Thickeners.

P2-90 Trickling Filters. Project P2-90 would construct new 60 mgd capacity trickling filters at Plant No. 2. This project was included in the 1999 PEIR. The new facility would be constructed in the open space in the northeast of current control building. The approximate size of footprint for the current project would be 500 feet by 730 feet (365,000 square feet). Construction would last approximately four years, beginning in January 2007 and ending in February 2011. The project would require extensive excavation and minimal demolition work. Major components include the following:

- Four 175-foot diameter 30-foot high trickling filter towers and trickling filter clarifiers (24,000 sf each);
- Six 160-foot diameter and 20-foot high trickling filter clarifiers (20,000 sf each);
- One trickling filter pump station with five 250 horsepower variable speed recirculation pumps to feed primary effluent to the trickling filter tower.

P2-91 Digester Rehabilitation at Plant No. 2. Project P2-91 consists of rehabilitation of the existing digesters and ancillary equipment at Plant No. 2. This project was included in the 1999 PEIR. Ten digesters (P, R, S, T, C, D, E, F, G and H) would be rehabilitated. The digester rehabilitation includes cleaning accumulated grit from the tanks, digester re-lining, replacing axial mixing pumps with chopper pumps, hot water system rehabilitation, heat exchanger rehabilitation, sludge feed piping rehabilitation, installation of in-line grinders for sludge, rehabilitation of acid piping and automation of the digester sludge feed system. There would be no change in the existing foot print. No excavation or dewatering would be necessary and no new structures would be built. The existing capacity would not change. Demolition would include existing pipes and pumps. Construction would begin in 2007 and be completed in 2010.

P2-92 Sludge Dewatering and Odor Control at Plant No. 2. The project would provide solids dewatering, storage facilities, and odor control. The project was not analyzed in the 1999 PEIR. As originally scoped, the project would include 10 new belt filter presses and odor control for thickening and dewatering. Currently an alternative project is being considered. The alternative project would include 6 new centrifuges, a new odor control system, retrofits to the existing

dewatering building, a new polymer system and other ancillary equipment. The construction phase is expected to last 2 years from mid 2008 to mid 2010.

DISCUSSION OF POTENTIAL IMPACTS

The SEIR will focus on potential impacts associated with changes to the secondary treatment facilities previously identified and evaluated in the 1999 PEIR. The following discussions highlight potentially significant impacts of the project to be addressed in the SEIR. Other environmental resource areas (i.e., agricultural, cultural, land use, mineral resources, population and housing, public services, recreation, utilities and services) discussed in the 1999 PEIR will not be addressed in the SEIR because the project would not alter the analysis or conclusions of the PEIR. The SEIR will focus on any new impacts that may result from changes to the secondary treatment facilities evaluated in the 1999 PEIR and will recommend adoption of feasible mitigation measures to avoid or lessen any new impacts. The Initial Study Checklist is included as Attachment B.

AESTHETICS

The proposed Project would involve constructing new structures at both plants. The character of the proposed structures would be similar to the existing facilities on the plant. The SEIR will identify proposed heights and layouts for each new facility and evaluate potential visual impacts to surrounding communities.

AIR QUALITY

Construction activities would be generally consistent with activities described in the 1999 PEIR. However, because the number of projects required to achieve secondary treatment standards has increased, construction related air emissions may increase. The installation and rehabilitation of the facilities would consist of excavation, trenching, construction, pipeline installation, and demolition. Construction exhaust emissions would be generated from construction equipment, earth movement and demolition activities, construction workers' commute, and material hauling for the entire construction period. Construction-related activities would occur eight hours per day, five days per week. During this period, daily pollutant emissions could exceed thresholds of significance established by the SCAQMD. The SEIR will estimate daily exhaust emissions based on specific assumptions about Project construction activities to assess the potential short-term air quality impact.

Operation of the new facilities would require air emissions permits from the South Coast Air Quality Management District (SCAQMD). The SEIR will identify and evaluate necessary air emissions permits and performance standards for odor control. The SEIR will also address whether mobile source emissions will increase as a result of the new facilities, which may require additional employees and a corresponding increase in traffic trips.

GEOLOGY AND SOILS

Plant No. 2 is located near the Newport-Inglewood Fault, an active and potentially hazardous fault zone. Multiple fault splays run through the treatment plant site. Other major faults in the region include the Whittier Fault Zone and the Palos Verdes Fault. Seismic activity on any of these known faults within the region could cause considerable ground shaking at the treatment plants. Since earthquake-related hazards can not be avoided in the Southern California region, the project site may be subjected to ground motion which could affect structures. In addition, the potential for soil liquefaction in the project area is considered high due to the unconsolidated soils and high water table.

The Project would replace and rehabilitate existing facilities, providing more protection from seismic impacts than currently exists because of the more stringent design and construction standards that are presently required. The SEIR will summarize geotechnical information and evaluate potential geologic hazards and recommend measures to minimize such hazards.

HAZARDS AND HAZARDOUS MATERIALS

The Project would involve refurbishing and constructing new storage facilities for chemicals used in wastewater treatment. The chemicals would be routinely delivered to the treatment plant by tank truck. The SEIR will evaluate the impacts of any increase in quantities of chemicals stored on site to be used for the new facilities and the potential hazard of the chemicals.

HYDROLOGY AND WATER QUALITY

The Project would require substantial excavation. Since groundwater is shallow, the excavations would likely encounter groundwater, requiring dewatering during the construction activities. In addition, large excavations could collect rainwater during a storm. Collected groundwater and storm water would be discharged through the treatment plant in compliance with the District's dewatering permit and standard best management practices.

The rehabilitation of existing facilities and installation of new treatment facilities will improve the quality of the effluent discharged through the ocean outfall. The SEIR will summarize the projected effluent quality and evaluate how the improvements would affect the marine environment.

MARINE ENVIRONMENT

The Project would improve effluent quality. The SEIR will compare the projected effluent quality with the secondary treatment scenarios evaluated in the 1999 PEIR. The SEIR will assess potential effects of the project to the marine environment.

NOISE

Construction activities associated with the projects, particularly pile driving, would generate noise that could exceed fence-line noise thresholds. The SEIR will evaluate measures to reduce the nuisance where possible. The SEIR will also analyze potential increases in ambient noise levels from the expanded facilities and measures to reduce impacts.

TRAFFIC AND TRANSPORTATION

Construction activities would increase traffic to both plants as workers access the construction sites, building materials are delivered, and excavated soils are removed. Each construction project would require workers parking areas and staging areas. The SEIR will evaluate the increase in truck traffic to local surface streets and key intersections during construction and also the long term increases in vehicle traffic from the additional employees that may be hired to operate the expanded facilities.

ATTACHMENT A

NOTICE OF PREPARATION RESPONSE FORM

This form is provided to assist in responding to the Notice of Preparation. If more space is required or if you prefer a different format, please feel free to deviate from this form as necessary. If you have input, please complete the form and return; otherwise, it will be assumed that you do not wish to be retained on this distribution list to receive the Draft EIR.

Date of Response _____

Agency _____

Mailing Address _____

City _____ State _____ Zip _____

Telephone _____

Contact Person _____

LEVEL OF INTEREST IN THE PROPOSED FACILITIES.

☐ No interest (delete from distribution list)

☐ Minor interest (retain name on distribution list)

☐ Major interest (state key areas of your concern):

_____

_____

_____

_____

Permit/ Review Requirements

Do you or your agency have statutory permit authority or advisory review authority over actions within the PROJECT AREA? If so, please list.

Area of Concern	Authority	Applicability Within Project Area

ENVIRONMENTAL ISSUE CATEGORIES
Please indicate your interests and items that should be addressed in the proposed EIR.

AESTHETICS

AIR QUALITY

GEOLOGY / SOILS

HAZARDS AND HAZARDOUS MATERIALS

HYDROLOGY / WATER QUALITY

MARINE ENVIRONMENT

NOISE

TRANSPORTATION / CIRCULATION