



Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: July 1- 31, 2018

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 07/17/18, 07/24/18

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min¹	0.71	20	1.7 DNQ	34	440	12	16	33	<2.8	580	5,900	49,000	55,000	7.6	20	54
Plant 1 Avg	0.68	20	1.7 DNQ	33	430	12	16	32	<2.8	580	5,900	48,000	54,000		20	
Plant 2 Max/Min¹	0.92	20	2.9	46	510	14	19	35	<2.6	730	5,300	42,000	47,000	7.6	21	58
Plant 2 Avg	0.76	20	2.8	43	500	14	18	33	<2.6	700	5,300	41,000	46,000		22	
Table 1 (Max/Min)¹	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days) ²	20	Out of Service	Out of Service	19	19	20	20	20	20	20	20
Minimum Temperature (Min 95 °F)	98	Out of Service	Out of Service	98	98	98	98	98	98	98	98

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days) ²	18	89 ³	18	Out of Service	18	18	Out of Service	17	17	19	18	17	18	18	18	Out of Service	18	18
Minimum Temperature (Min 95 °F)	96	96	99	Out of Service	100	99	Out of Service	98	98	99	99	97	100	100	100	Out of Service	99	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

¹ Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

² MCRT based on a 15-Day Rolling Average.

³ Digester C started coming online, but had to be taken back out to address a mechanical issue.



Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: July 1- 31, 2018

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

503 Class B: *I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Arizona Class B: *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Jim Spears
Operations Manager

jspears@ocsd.com
(714) 593-7081

Ron Coss
Laboratory, Monitoring &
Compliance Manager

rcoss@ocsd.com
(714) 593-7508

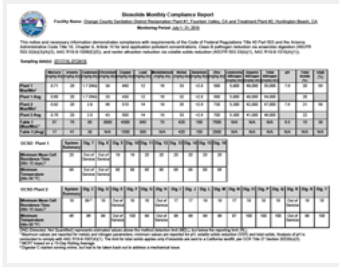
Reviewers

Cindy Vellucci (Oct 11, 2018)

Deirdre Bingman

Rachel van Exel

Margil Jimenez (Oct 11, 2018)













2018-07_Biosolids_Compliance_Report


Adobe Sign Document History


10/16/2018


Created: 10/11/2018
By: Cindy Vellucci (cvellucci@ocsd.com)
Status: Signed
Transaction ID: CBJCHBCAABAANy9fN4woe30R0ZbLLIDe2U6bC7PbLIN1


"2018-07_Biosolids_Compliance_Report" History


-  Document uploaded by Cindy Vellucci (cvellucci@ocsd.com) from Acrobat
10/11/2018 - 11:52:53 AM PDT - IP address: 206.169.97.226
-  Document e-signed by Cindy Vellucci (cvellucci@ocsd.com)
Signature Date: 10/11/2018 - 11:54:33 AM PDT - Time Source: server- IP address: 206.169.97.226
-  Document emailed to Deirdre Bingman (dbingman@ocsd.com) for signature
10/11/2018 - 11:54:34 AM PDT
-  Document viewed by Deirdre Bingman (dbingman@ocsd.com)
10/11/2018 - 12:15:18 PM PDT - IP address: 206.169.97.226
-  Document e-signed by Deirdre Bingman (dbingman@ocsd.com)
Signature Date: 10/11/2018 - 12:20:04 PM PDT - Time Source: server- IP address: 206.169.97.226
-  Document emailed to Rachel Van Exel (rvanexel@ocsd.com) for signature
10/11/2018 - 12:20:05 PM PDT
-  Document viewed by Rachel Van Exel (rvanexel@ocsd.com)
10/11/2018 - 1:06:17 PM PDT - IP address: 206.169.97.226
-  Document e-signed by Rachel Van Exel (rvanexel@ocsd.com)
Signature Date: 10/11/2018 - 1:19:40 PM PDT - Time Source: server- IP address: 206.169.97.226
-  Document emailed to Margil Jimenez (mjjimenez@ocsd.com) for signature
10/11/2018 - 1:19:41 PM PDT
-  Document viewed by Margil Jimenez (mjjimenez@ocsd.com)
10/11/2018 - 3:51:52 PM PDT - IP address: 206.169.97.226


 Document e-signed by Margil Jimenez (mjjimenez@ocsd.com)
Signature Date: 10/11/2018 - 4:10:55 PM PDT - Time Source: server- IP address: 206.169.97.226


 Document emailed to James Spears Jr (jspears@ocsd.com) for signature
10/11/2018 - 4:10:56 PM PDT

 Document viewed by James Spears Jr (jspears@ocsd.com)
10/12/2018 - 6:48:20 AM PDT- IP address: 206.169.97.226

 Document e-signed by James Spears Jr (jspears@ocsd.com)
Signature Date: 10/12/2018 - 6:50:06 AM PDT - Time Source: server- IP address: 206.169.97.226

 Document emailed to Ron Coss (rcoss@ocsd.com) for signature
10/12/2018 - 6:50:07 AM PDT

 Document viewed by Ron Coss (rcoss@ocsd.com)
10/15/2018 - 4:48:36 PM PDT- IP address: 206.169.97.226

 Document e-signed by Ron Coss (rcoss@ocsd.com)
Signature Date: 10/16/2018 - 11:08:34 AM PDT - Time Source: server- IP address: 206.169.97.226