



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: August 1- 31, 2019

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): 08/20/19, 08/27/19

	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	<6.4	2.0	44	520	13	21	32	<3.9	770	12,000	46,000	56,000	8.1	24	65
Plant 1 Avg	0.67	<6.4	2.0 DNQ	37	440	12	18	27	<3.9	760	10,000	45,000	56,000		25	
Plant 2 Max/Min¹	0.61	<6.3	3.4	44	500	17	19	33	<3.8	760	10,000	40,000	50,000	8.1	24	44
Plant 2 Avg	0.58	<6.3	3.2	35	410	16	17	26	<3.8	740	8,900	35,000	44,000		27	
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	29	29	Out of Service	29	29	29	29	29	30	29	29
Minimum Temperature (Min 95 °F)	98	98	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. 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	24	23	23	23	Out of Service	Out of Service	23	Out of Service	23	23	Out of Service	23	24	24	24	Out of Service	23
Minimum Temperature (Min 95 °F)	99	99	100	99	Out of Service	Out of Service	100	Out of Service	102	102	Out of Service	100	100	100	100	Out of Service	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.



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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.*

Ron Coss
Ron Coss (Oct 21, 2019)

Jim Spears
Operations Manager

jspears@ocsd.com
(714) 593-7081

Ron Coss
Laboratory, Monitoring &
Compliance Manager

rcoss@ocsd.com
(714) 593-7508

Reviewers:

			<u>Peter Park</u> Peter Park (Oct 15, 2019)	<u>Lan C. Wiborg</u> Lan C. Wiborg (Oct 15, 2019)
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Cindy Vellucci

Deirdre Bingman

Rachel Van Exel

Peter Park

Lan Wiborg












2019-08_Biosolids_Compliance_Report


Final Audit Report

2019-10-21


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