



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: September 1- 30, 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): 09/17/19, 09/24/19

	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/Min*	1.0	<6.0	2.2	47	550	12	21	35	<3.6	820	13,000	42,000	55,000	8.1	25	41
Plant 1 Avg	0.92	<6.0	2.0 DNQ	47	530	10	21	35	<3.6	790	13,000	42,000	54,000		26	
Plant 2 Max/Min*	0.84	<5.5	3.4	43	550	16	18	33	<3.4	720	8,600	41,000	49,000	8.1	28	48
Plant 2 Avg	0.72	<5.5	3.0	43	520	14	18	33	<3.4	700	8,500	40,000	49,000		29	
Table 1 (Max/Min)*	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)**	28	28	Out of Service	31	27	28	28	28	28	28	28
Minimum Temperature (Min 95 °F)	97	98	Out of Service	99	98	98	98	97	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)**	24	23	23	23	Out of Service	Out of Service	23	Out of Service	Out of Service	23	23	Out of Service	23	24	24	23	Out of Service	23
Minimum Temperature (Min 95 °F)	99	99	99	99	Out of Service	Out of Service	99	Out of Service	Out of Service	102	102	Out of Service	100	99	99	101	Out of Service	100

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

* 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).

** 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.*

Jim Spears
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Ron Coss

Ron Coss (Nov 19, 2019)

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Reviewers:

			<u>Peter Park</u> Peter Park (Nov 6, 2019)	<u>Lan C. Wiborg</u> Lan C. Wiborg (Nov 6, 2019)
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Cindy Vellucci

Deirdre Bingman

Rachel Van Exel

Peter Park

Lan Wiborg












2019-09_Biosolids_Compliance_Report


Final Audit Report

2019-11-19


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