



## 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:** November 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):** 11/12/19,11/19/19

	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 (%)
<b>Plant 1 Max/Min<sup>1</sup></b>	0.69	<6.0	1.7 DNQ	49	510	14	20	35	<3.6	780	13,000	42,000	55,000	7.7	25	60
<b>Plant 1 Avg</b>	0.69	<6.0	1.3 DNQ	38	510	13	16	27	<3.6	640	11,000	41,000	53,000		26	
<b>Plant 2<sup>1</sup> Max/Min</b>	0.68	<6.1	2.9	52	490	23	18	36	<3.7	720	8,000	46,000	54,000	8.0	25	62
<b>Plant 2 Avg</b>	0.66	<6.1	2.2 DNQ	38	470	19	15	28	<3.7	590	7,200	46,000	53,000		27	
<b>Table 1 (Max/Min)<sup>1</sup></b>	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
<b>Table 3 (Avg)</b>	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

<b>OCSD Plant 1</b>	<b>System Summary</b>	<b>Dig. 7</b>	<b>Dig. 8</b>	<b>Dig. 9</b>	<b>Dig. 10</b>	<b>Dig. 11</b>	<b>Dig. 12</b>	<b>Dig. 13</b>	<b>Dig. 14</b>	<b>Dig. 15</b>	<b>Dig. 16</b>
<b>Minimum Mean Cell Residence Time (Min 15 days)<sup>3</sup></b>	23	22	334 <sup>2</sup>	Out of Service	28	22	22	22	22	22	22
<b>Minimum Temperature (Min 95 °F)</b>	98	98	98	Out of Service	98	98	98	98	98	98	98

<b>OCSD Plant 2</b>	<b>System Summary</b>	<b>Dig. C</b>	<b>Dig. D</b>	<b>Dig. E</b>	<b>Dig. F</b>	<b>Dig. G</b>	<b>Dig. H</b>	<b>Dig. I</b>	<b>Dig. J</b>	<b>Dig. L</b>	<b>Dig. M</b>	<b>Dig. N</b>	<b>Dig. O</b>	<b>Dig. P</b>	<b>Dig. Q</b>	<b>Dig. R</b>	<b>Dig. S</b>	<b>Dig. T</b>
<b>Minimum Mean Cell Residence Time (Min 15 days)<sup>3</sup></b>	21	20	21	21	Out of Service	Out of Service	21	Out of Service	Out of Service	21	21	34 <sup>4</sup>	Out of Service	21	21	20	Out of Service	21
<b>Minimum Temperature (Min 95 °F)</b>	98	98	99	98	Out of Service	Out of Service	98	Out of Service	Out of Service	98	99	98	Out of Service	98	100	100	Out of Service	98



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

<sup>1</sup> 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).

<sup>2</sup> Digester 8 went back in service on 11/26/19 and was fed CTS at 10 cuft/cycle.

<sup>3</sup> MCRT based on a 15-Day Rolling Average.

<sup>4</sup> Digester N was placed in service on 11/14/19.

## 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

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Ron Coss  
Ron Coss (Jan 29, 2020)

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			<u>Peter Park</u> Peter Park (Jan 20, 2020)	<u>Lan C. Wiborg</u> Lan C. Wiborg (Jan 23, 2020)
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Cindy Vellucci

Deirdre Bingman

Rachel Van Exel

Peter Park

Lan Wiborg












# 2019-11\_Biosolids\_Compliance\_Report


Final Audit Report

2020-01-29

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