



# Biosolids Monthly Compliance Report

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

**Monitoring Period:** April 1- 30, 2023

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):** 04/04/23, 04/11/23

	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*</b>	0.87	10 DNQ	6.1	43	400	12	17	38	11 DNQ	730	7,300	57,000	63,000	7.7	25	67
<b>Plant 1 Avg</b>	0.87	10 DNQ	4.6	42	400	10	17	36	9.9 DNQ	720	6,600	54,000	60,000		25	
<b>Plant 2 Max/Min*</b>	0.58	14	6.9	40	340	11	24	31	11	660	5,100	48,000	51,000	7.6	27	70
<b>Plant 2 Avg</b>	0.51	14	4.9	38	330	9.2	23	29	9.7 DNQ	660	4,100	42,000	46,000		27	
<b>Table 1 (Max/Min)*</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

OC San Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
<b>Minimum Mean Cell Residence Time</b> (Min 15 days)**	24	25	25	25	25	24	Out of Service	23	23	25	30
<b>Minimum Temperature</b> (Min 95 °F)	97	100	100	100	97	100	Out of Service	100	100	100	99

OC San 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
<b>Minimum Mean Cell Residence Time</b> (Min 15 days)**	20	Out of Service	Out of Service	20	Out of Service	20	20	Out of Service	Out of Service	20	20	20	20	Out of Service	Out of Service	Out of Service	20	20
<b>Minimum Temperature</b> (Min 95 °F)	98	Out of Service	Out of Service	98	Out of Service	98	98	Out of Service	Out of Service	98	98	98	98	Out of Service	Out of Service	Out of Service	98	98

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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**Monitoring Period:** April 1- 30, 2023

**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.*


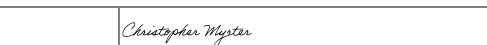



**Arizona Class B:** *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and 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.*



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 <small>Cindy Vellucci (Aug 29, 2023 13:47 PDT)</small> Cindy Vellucci	 Christopher Myrter	 Rachel Van Exel	 <small>Jackie Lerma (Aug 30, 2023 13:31 PDT)</small> Jackie Lerma	 Tom Meragillano
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# 2023-04\_Biosolids\_Compliance\_Report

Final Audit Report

2023-09-05

Created:	2023-08-29
By:	Christopher Myrter (cmyrter@ocsan.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAA8jzxEOGMvkxmVQE4Y4s2sNd6vmcGH4p

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2023-08-29 - 8:26:07 PM GMT
-  Document emailed to Cindy Vellucci (cvellucci@ocsan.gov) for signature  
2023-08-29 - 8:27:58 PM GMT
-  Email viewed by Cindy Vellucci (cvellucci@ocsan.gov)  
2023-08-29 - 8:47:29 PM GMT
-  Document e-signed by Cindy Vellucci (cvellucci@ocsan.gov)  
Signature Date: 2023-08-29 - 8:47:40 PM GMT - Time Source: server
-  Document emailed to Christopher Myrter (cmyrter@ocsan.gov) for signature  
2023-08-29 - 8:47:42 PM GMT
-  Email viewed by Christopher Myrter (cmyrter@ocsan.gov)  
2023-08-29 - 8:48:23 PM GMT
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Signature Date: 2023-08-29 - 8:48:31 PM GMT - Time Source: server
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2023-08-29 - 8:48:33 PM GMT
-  Email viewed by Rachel Van Exel (rvanexel@ocsan.gov)  
2023-08-30 - 6:29:08 PM GMT
-  Document e-signed by Rachel Van Exel (rvanexel@ocsan.gov)  
Signature Date: 2023-08-30 - 6:29:33 PM GMT - Time Source: server
-  Document emailed to Jacqueline Lerma (jlerma@ocsan.gov) for signature  
2023-08-30 - 6:29:34 PM GMT

 Email viewed by Jacqueline Lerma (jlerma@ocsan.gov)


2023-08-30 - 7:48:29 PM GMT

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2023-08-30 - 8:31:47 PM GMT

 Document e-signed by Jackie Lerma (jlerma@ocsan.gov)

Signature Date: 2023-08-30 - 8:31:49 PM GMT - Time Source: server

 Document emailed to Tom Meregillano (tmeregillano@ocsan.gov) for signature


2023-08-30 - 8:31:51 PM GMT

 Email viewed by Tom Meregillano (tmeregillano@ocsan.gov)

2023-08-30 - 9:15:26 PM GMT

 Document e-signed by Tom Meregillano (tmeregillano@ocsan.gov)


Signature Date: 2023-08-30 - 9:20:08 PM GMT - Time Source: server

 Document emailed to Jim Spears (jspears@ocsan.gov) for signature

2023-08-30 - 9:20:10 PM GMT

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2023-08-31 - 3:27:44 PM GMT

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Signature Date: 2023-08-31 - 3:28:20 PM GMT - Time Source: server

 Document emailed to Lan Wiborg (lwiborg@ocsan.gov) for signature

2023-08-31 - 3:28:21 PM GMT

 Email viewed by Lan Wiborg (lwiborg@ocsan.gov)

2023-09-05 - 5:19:23 PM GMT

 Document e-signed by Lan Wiborg (lwiborg@ocsan.gov)

Signature Date: 2023-09-05 - 5:19:34 PM GMT - Time Source: server

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