



Notice and Necessary Information – Revised***

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

Monitoring Period: January 1- 31, 2016

Pollutant and Nitrogen concentrations (reported results may be averages) on 100% dry weight basis.

Sampling date(s): 01/06/2016, 01/13/2016

	As (mg/kg)	Cd (mg/kg)	Cu (mg/kg)	Pb (mg/kg)	Hg (mg/kg)	Mo (mg/kg)	Ni (mg/kg)	Se (mg/kg)	Zn (mg/kg)	Org-N (mg/kg)	Ammonia (mg/kg)	Cr (mg/kg)	% solids
Result Plant 1	6.3	1.6	390	<11	0.62	12	44	9.7	540	53,000	6,200	32	18
Result Plant 2	6.8	2.3	410	9.7	0.65	11	41	9.4	620	44,000	5,000	34	22
Table 3	41	39	1,500	300	17	N/A	420	100	2,800	N/A	N/A	N/A	N/A
Table 1	75	85	4,300	840	57	75	420	100	7,500	N/A	N/A	3,000	N/A

Class B Pathogen Reduction

Class B pathogen reduction requirements from 40 CFR Part 503 and Arizona Administrative Code R18-9-1006€ have been met via anaerobic digestion under the following parameters:

	Mean Residence Time (days)		Mean minimum Temperature (°F) (All digesters)
	Min	Max	
Plant 1**	18	20	97 - 98
Plant 2	20	22	96 - 100

Vector Attraction Reduction

The vector attraction reduction requirements of 40 CFR Part 503 and Arizona Administrative Code R18-9-1010(A) have been met using data (may be averages) analyzed by an Arizona-certified laboratory to comply with Option 1.

	% Volatile Solids		
	In	Out	Reduction
Plant 1	3.6	1.4	62
Plant 2	3.8	1.4	65

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.*

2/6/2017

2/6/2017

Recoverable Signature

X

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X

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Notice and Necessary Information – Addendum

Individual Digester Mean Cell Residence Times and Minimum Temperatures

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

Monitoring Period: January 1- 31, 2016

OCSD Plant 1**

	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 (days)*	18	18	18	18		18	19	19		
Minimum Temperature (°F)	98	98	98	98		97	97	97		

Shaded box represents Digester is Out of Service.
 *MCRT based on a 15-Day Rolling Average.

OCSD Plant 2

	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 (days)*	20	21	19	20	20	20	20		20		20	20	20		20	21	21
Minimum Temperature (°F)	96	96	96	96	98	97	100		99		98	97	98		100	98	97

Shaded box represents Digester is Out of Service.
 *MCRT based on a 15-Day Rolling Average.

** In March 2016, an error was discovered with the primary sludge flow meters at Plant 1 that had the potential to affect digester mean cell residence time when the flow exceeded a certain volume. The error is believed to have started in May 2012. Corrective actions have been implemented and primary flow values and digester detention times have been recalculated for all affected days in 2016. Per the calculations, compliance was maintained at all times thus far in 2016.

*** During annual reporting, an error was discovered with the rounding of some values that caused the reported result to be inaccurate by one digit. The affected values for Arsenic, Copper, Mercury and Selenium have been revised.