



# Notice and Necessary Information

To be Completed by Preparers of Class B Biosolids

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA

Monitoring Period: August 1-31, 2014



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

Sampling date(s): 08/06/2014,08/13/2014

	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	7.8	6.4	570	<21	0.91	17	45	12	720	46,000	6,800	48	20
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

40 CFR part 503 and Arizona Administrative Code R18-9-1006-E (5) Class B pathogen reduction requirements were **not met** via anaerobic digestion as multiple digesters detention times fell below 15 days. **NO biosolids were land applied from Plant No. 1.** All biosolids from Plant No. 1 were shipped to a compost facility for further treatment to meet Class A pathogen reduction requirements, or sent to a municipal landfill.

### 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	2.9	1.4	52.6

### 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.

10/28/2014

X

James Spears  
OM Operations Manager  
Signed by: Spears, Jim

jspears@ocsd.com  
(714)593-7081

11/4/2014

X

James E. Colston  
Env. Compliance Manager  
Signed by: Colston, Jim

jcolston@ocsd.com  
(714) 593-7450

10/28/2014

X

Ronald Coss  
Laboratory Manager  
Signed by: Coss, Ronald

rcoss@ocsd.com  
(714)593-7508



# Notice and Necessary Information

To be Completed by Preparers of Class B Biosolids

Facility Name: Orange County Sanitation District Treatment Plant #2, Huntington Beach, CA

Monitoring Period: August 1-31, 2014



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

Sampling date(s): 08/06/2014,08/13/2014

	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 2	11	4.4	560	<19	1.5	18	40	10	720	36,000	5,500	54	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-E have been met via anaerobic digestion under the following parameters

	Mean Residence Time (days)		Mean minimum Temperature (°F)
	Min	Max	
Plant 2	19.7	22.0	99

### 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 2	3.9	1.4	64.3

### 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.

10/29/2014

11/4/2014

10/28/2014

X

James Spears                      jspears@ocsd.com  
OM Operations Manager            (714)593-7081  
Signed by: Spears, Jim

X

James E. Colston                      jcolston@ocsd.com  
Env. Compliance Manager            (714) 593-7450  
Signed by: Colston, Jim

X

Ronald Coss                              rcoss@ocsd.com  
Laboratory Manager                      (714)593-7508  
Signed by: Coss, Ronald