2017 ANNUAL REPORT

INDUSTRIAL WASTE PRETREATMENT PROGRAM

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

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APPENDIX G
PRIORITY POLLUTANT MONITORING AT TREATMENT PLANTS WHICH ACCEPT INDUSTRIAL WASTEWATER

This Appendix contains the results from priority pollutant monitoring at the District's treatment plants which accept industrial wastewater.

Joint Water Pollution Control Plant Influent Monitoring

Joint Water Pollution Control Plant Effluent Monitoring

Joint Water Pollution Control Plant Biosolids Monitoring

Lancaster WRP Influent Monitoring

Lancaster WRP Effluent Monitoring

Lancaster WRP Biosolids Monitoring

Long Beach WRP Influent Monitoring

Long Beach WRP Effluent Monitoring

Los Coyotes WRP Influent Monitoring

Los Coyotes WRP Effluent Monitoring

Palmdale WRP Influent Monitoring

Palmdale WRP Effluent Monitoring

Palmdale WRP Biosolids Monitoring

Pomona WRP Influent Monitoring

Pomona WRP Effluent Monitoring

San Jose Creek WRP, East, Influent Monitoring

San Jose Creek WRP, East, Effluent Monitoring

San Jose Creek WRP, West, Influent Monitoring

San Jose Creek WRP, West, Effluent Monitoring

Saugus WRP Influent Monitoring

Saugus WRP Effluent Monitoring

Valencia WRP Influent Monitoring

Valencia WRP Effluent Monitoring

Valencia WRP Biosolids Monitoring

Whittier Narrows WRP Influent Monitoring

Whittier Narrows WRP Effluent Monitoring

This language applies for data included for the Joint Water Pollution Control Plant (JWPCP) and the Long Beach, Los Coyotes, Pomona, San Jose Creek, Saugus, Valencia, and Whittier Narrows Water Reclamation Plants (WRPs).

1. ORGANIZATION OF THE DATA

Flow and laboratory data sets are presented in separate tables, and statistical summaries follow the data. These data summaries may contain results that were not reported in monthly monitoring reports. Additional data can result from sampling conducted for purposes other than routine monitoring. The additional sampling may have been performed by other agencies (i.e., Regional Board or USEPA) or by the Sanitation Districts for research or as a follow-up to a questionable sample.

2. DETECTION LIMITS

Information in the annual report regarding detection limits is consistent with reporting requirements in the effective permits for the treatment plants. The Method Detection Level (MDL) and Minimum Level (ML)/Reporting Level (RL) for each constituent may have varied throughout the year. These are included directly in the tabular data as a range over the calendar year. Sample results are reported in accordance with the methodology listed below.

1. Sample results greater than or equal to the RL are reported "as measured" by the laboratory (i.e., the measured chemical concentration of the sample).

2. Sample results less than the RL, but greater than or equal to the laboratory's MDL, are reported as "Detected, but Not Quantified", or DNQ. The estimated chemical concentration of the sample is shown as "DNQ, Est. Conc.=___".

3. Sample results less than the laboratory's MDL are reported as "Not Detected", or ND.

3. DATA CALCULATIONS

Calculations of Sums

A few parameters, such as DDT and PCBs, are reported as sums. In those cases, the total detected DDT and total detected PCBs are shown. Results that are below the RL are not included in the sum. Consequently, if none of the isomers/congeners was detected, the total is reported as "ND".

Calculations of Averages

The following conventions are used in the annual report for data when more than one result is available and an average is determined:

- Monthly Averages

  If the data are all detected, an arithmetic average is calculated. When one or more sample results contain one or more reported determinations of DNQ or ND, a median is used in place of the arithmetic mean in accordance with the following procedure:

1. The sample results are ranked from low to high, with reported ND determinations lowest, DNQ determinations next, and finally quantified values (if any). The order of the individual ND or DNQ determinations is unimportant.

2. The median value of the sample results is determined. If the data set has an odd number of data points, then the median is the middle value. If the data set has an even number of data points, then the median is the average of the two values around the middle unless one or both of the points are ND or DNQ, in which case the median value is the lowest of the two data points where DNQ is lower than a quantified value and ND is lower than DNQ.

- Annual Averages

  If the monthly data are all detected, an arithmetic average is calculated. If both detected and ND and/or DNQ data are available, each ND and DNQ value is averaged as a zero with the detected values. If an average of zero is calculated it will be reported as an average of ND.

4. PERMIT LIMITS

A single plant may have several permits and several sets of limits, which, at a maximum, consist of the following:

- **NPDES Permit Limits** for discharge to navigable waterways.

- **Waste Discharge Requirements** for disposal to sites other than those covered by NPDES requirements (e.g., Lancaster and Palmdale WRPs).

- **Reuse Permit Limits** for nonpotable use in irrigation, impoundments, etc.

- **Recharge Limits** for groundwater replenishment in the Montebello Forebay.

Reuse permit limits are not shown in the effluent table. The permits limits may be expressed in terms of an instantaneous maximum, daily average, 7-day average, weekly average, 30-day average, monthly average, and/or 12-month average.

5. PERFORMANCE GOALS

The JWPCP NPDES permit includes effluent quality performance goals for 69 constituents. Selected effluent quality performance goals were assigned for constituents that are regularly detected, and were numerically set using effluent performance data for the period of November 2002 to August 2005 to determine the 95th percentile of the normal distribution. Other constituents that were not detected were assigned performance goals five times (for carcinogens and marine aquatic life toxicants) or ten times (for noncarcinogens) the minimum reporting limits in the 2004 annual report. In other cases, the maximum detected effluent concentration from November 2002 to August 2005 was prescribed as the performance goal.

The performance goals are intended to reflect extreme (i.e., 95th percentile) historical values in plant effluent quality, which resulted from normal variability in the plant operation, the influent water quality, etc. The performance goals are not intended to determine compliance. Instead, the objective of the performance goals is to monitor plant performance by comparing effluent water quality data to the performance goal. For example, a single exceedance of a performance goal may be the result of normal

variability in the data, since such an exceedance can be expected occasionally (i.e., 5 percent of the time) for performance goals set at the 95th percentile. However, if an exceedance of the same goal persists, it may indicate a substantial change in plant performance, influent quality, or other causes not explained by normal and expected variability. In such cases, the JWPCP permit requirements state that the discharger must investigate the reason for the continuing exceedance of the performance goal.

JWPCP Influent Monitoring

JWPCP
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND			ND			ND	
1,1-Dichloroethylene	ug/L		ND			ND			ND	
1,1,1-Trichloroethane	ug/L		ND			ND			ND	
1,1,2-Trichloroethane	ug/L		ND			ND			ND	
1,1,2,2-Tetrachloroethane	ug/L		ND			ND			ND	
1,2-Dichlorobenzene	ug/L		ND			ND			ND	
1,2-Dichloroethane	ug/L		DNQ Est. Conc. 0.18			DNQ Est. Conc. 0.13			ND	
1,2-Dichloropropane	ug/L		ND			ND			ND	
1,2-Diphenylhydrazine	ug/L		ND			ND			ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)			ND (1)			ND (1)	
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (1)(2)			ND			ND	
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)(2)			ND (1)			ND	
1,2,3,4,7,8-HexaCDF	pg/L		ND (1)			ND (1)			ND (1)	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND (1)(2)			ND			ND	
1,2,3,6,7,8-HexaCDD	pg/L		ND (1)			ND (1)(2)			ND (1)(2)	
1,2,3,6,7,8-HexaCDF	pg/L		ND (1)			ND (1)(2)			ND (2)	
1,2,3,7,8-PentaCDD	pg/L		ND			ND			ND	
1,2,3,7,8-PentaCDF	pg/L		DNQ Est. Conc. 1.8 (1)(2)			ND			ND	
1,2,3,7,8,9-HexaCDD	pg/L		ND (1)			ND (1)(2)			ND	
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 1.8 (1)(2)			ND (1)			ND	
1,2,4-Trichlorobenzene	ug/L		ND			ND			ND	
1,3-Dichlorobenzene	ug/L		ND			ND			ND	
1,3-Dichloropropene	ug/L		ND			ND			ND	
1,4-Dichlorobenzene	ug/L		DNQ Est. Conc. 0.22			ND			ND	
2-Chloroethylvinyl ether	ug/L		ND			ND			ND	
2-Chloronaphthalene	ug/L		ND			ND			ND	
2-Chlorophenol	ug/L		ND			ND			DNQ Est. Conc. 2.9	
2-methyl-4,6-dinitrophenol	ug/L		ND			ND			ND	
2-Nitrophenol	ug/L		ND			ND			ND	
2,3,4,6,7,8-HexaCDF	pg/L		ND (1)(2)			ND (1)(2)			ND	
2,3,4,7,8-PentaCDF	pg/L		ND (1)(2)			ND			ND	
2,3,7,8-TCDD	pg/L		ND			ND			ND	
2,3,7,8-TetraCDF	pg/L		ND (1)			ND (1)			DNQ Est. Conc. 9.5	
2,4-Dichlorophenol	ug/L		ND			DNQ Est. Conc. 3.5			ND	
2,4-Dimethylphenol	ug/L		10			17			33.3	
2,4-Dinitrophenol	ug/L		ND			ND			ND	
2,4-Dinitrotoluene	ug/L		ND			ND			ND	
2,4,6-Trichlorophenol	ug/L		15			22			DNQ Est. Conc. 7.5	
2,4'-DDD	ug/L		ND			ND			ND	
2,4'-DDE	ug/L		ND			ND			ND	
2,4'-DDT	ug/L		ND			ND			ND	
2,6-Dinitrotoluene	ug/L		ND			ND			ND	
3,3'-Dichlorobenzidine	ug/L		ND			ND			ND	
4-Bromophenyl phenyl ether	ug/L		ND			ND			ND	
4-Chloro-3-methylphenol	ug/L		ND			ND			ND	
4-Chlorophenyl phenyl ether	ug/L		ND			ND			ND	
4-Nitrophenol	ug/L		ND			ND			ND	
4,4'-DDD	ug/L		ND			ND			ND	
4,4'-DDE	ug/L		DNQ Est. Conc. 0.009			DNQ Est. Conc. 0.004			ND	
4,4'-DDT	ug/L		ND			ND			ND	
Acenaphthene	ug/L		ND			ND			ND	
Acenaphthylene	ug/L		ND			ND			ND	
Acrolein	ug/L		ND			ND			ND	
Acrylonitrile	ug/L		ND			ND			ND	
Aldrin	ug/L		ND			ND			ND	
alpha-Chlordane	ug/L		ND			ND			ND	
alpha-hexachlorocyclohexane	ug/L		ND			ND			ND	

JWPCP
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L		ND		ND	ND	ND	EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethylene	ug/L		ND		ND	ND	ND	EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L		ND		ND	ND	ND	EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L		ND		ND	ND	ND	EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND		ND	ND	ND	EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L		ND		ND	ND	ND	EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L		ND		ND	ND	DNQ Est. Conc. 0.18	EPA 624	2	0.09 - 0.22	0.50
1,2-Dichloropropane	ug/L		ND		ND	ND	ND	EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND		ND	ND	ND	EPA 625	1	0.13 - 1.2	5.0 - 40.0
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 22 (1)		ND (1)	ND	DNQ Est. Conc. 22 (1)	EPA 1613B		0.36 - 1.4	51 - 60
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND		ND	ND	ND (1)(2)	EPA 1613B		1.0 - 9.8	51 - 60
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)(2)		ND	ND	ND (1)(2)	EPA 1613B		0.30 - 0.73	51 - 60
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 2.5		ND (1)	ND	DNQ Est. Conc. 2.5	EPA 1613B		0.41 - 0.83	51 - 60
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND		ND	ND	ND (1)(2)	EPA 1613B		1.3 - 12	51 - 60
1,2,3,6,7,8-HexaCDD	pg/L		DNQ Est. Conc. 1.1 (2)		ND (1)	ND	DNQ Est. Conc. 1.1 (2)	EPA 1613B		0.30 - 0.74	51 - 60
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 4.8		ND (1)	ND	DNQ Est. Conc. 4.8	EPA 1613B		0.37 - 0.80	51 - 60
1,2,3,7,8-PentaCDD	pg/L		ND		ND	ND	ND	EPA 1613B		1.4 - 3.6	51 - 60
1,2,3,7,8-PentaCDF	pg/L		ND		ND	ND	DNQ Est. Conc. 1.8 (1)(2)	EPA 1613B		0.32 - 1.1	51 - 60
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 1.2 (2)		ND	ND	DNQ Est. Conc. 1.2 (2)	EPA 1613B		0.26 - 0.66	51 - 60
1,2,3,7,8,9-HexaCDF	pg/L		ND (1)(2)		ND	ND	DNQ Est. Conc. 1.8 (1)(2)	EPA 1613B		0.24 - 0.66	51 - 60
1,2,4-Trichlorobenzene	ug/L		ND		ND	ND	ND	EPA 625	5	0.17 - 2.8	5.0 - 200
1,3-Dichlorobenzene	ug/L		ND		ND	ND	ND	EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene	ug/L		ND		ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		DNQ Est. Conc. 0.30		ND	ND	DNQ Est. Conc. 0.30	EPA 624	2	0.07 - 0.18	0.50
2-Chloroethylvinyl ether	ug/L		ND		ND	ND	ND	EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L		ND		ND	ND	ND	EPA 625	10	0.16 - 2.2	5.0 - 400
2-Chlorophenol	ug/L		DNQ Est. Conc. 6.3		ND	ND	DNQ Est. Conc. 6.3	EPA 625	5	0.15 - 1.4	5.0 - 200
2-methyl-4,6-dinitrophenol	ug/L		ND		ND	ND	ND	EPA 625	5	1.3 - 8.6	25 - 200
2-Nitrophenol	ug/L		ND		ND	ND	ND	EPA 625	10	0.20 - 1.3	5.0 - 400
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.1 (2)		ND	ND	DNQ Est. Conc. 1.1 (2)	EPA 1613B		0.29 - 0.71	51 - 60
2,3,4,7,8-PentaCDF	pg/L		ND		ND	ND	ND (1)(2)	EPA 1613B		0.34 - 1.2	51 - 60
2,3,7,8-TCDD	pg/L		ND		ND	ND	ND	EPA 1613B		0.41 - 1.3	10 - 12
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 1.2		ND (1)	ND	DNQ Est. Conc. 9.5	EPA 1613B		0.48 - 0.91	10 - 12
2,4-Dichlorophenol	ug/L		ND		ND	ND	DNQ Est. Conc. 3.5	EPA 625	5	0.15 - 1.3	5.0 - 200
2,4-Dimethylphenol	ug/L		DNQ Est. Conc. 27.8		DNQ Est. Conc. 27.8	15	33.3	EPA 625	2	0.11 - 1.5	5.0 - 80.0
2,4-Dinitrophenol	ug/L		ND		ND	ND	ND	EPA 625	5	1.7 - 7.9	50 - 200
2,4-Dinitrotoluene	ug/L		ND		ND	ND	ND	EPA 625	5	0.20 - 0.90	5.0 - 200
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 7.8		DNQ Est. Conc. 7.5	9.2	22	EPA 625	10	0.12 - 1.1	5.0 - 400
2,4'-DDD	ug/L		ND		ND	ND	ND	EPA 608		0.001	0.02
2,4'-DDE	ug/L		ND		ND	ND	ND	EPA 608		0.001 - 0.002	0.03
2,4'-DDT	ug/L		ND		ND	ND	ND	EPA 608		0.002 - 0.003	0.02
2,6-Dinitrotoluene	ug/L		ND		ND	ND	ND	EPA 625	5	0.22 - 1.4	5.0 - 200
3,3'-Dichlorobenzidine	ug/L		ND		ND	ND	ND	EPA 625	5	1.2 - 6.0	25 - 200
4-Bromophenyl phenyl ether	ug/L		ND		ND	ND	ND	EPA 625	5	0.21 - 1.8	5.0 - 200
4-Chloro-3-methylphenol	ug/L		ND		ND	ND	ND	EPA 625	1	0.13 - 1.2	5.0 - 40.0
4-Chlorophenyl phenyl ether	ug/L		ND		ND	ND	ND	EPA 625	5	0.17 - 2.0	5.0 - 200
4-Nitrophenol	ug/L		ND		ND	ND	ND	EPA 625	10	1.4 - 2.2	25 - 400
4,4'-DDD	ug/L		ND		ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.02
4,4'-DDE	ug/L		ND		ND	ND	DNQ Est. Conc. 0.009	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.02
Acenaphthene	ug/L		ND		ND	ND	ND	EPA 625	1	0.15 - 1.9	5.0 - 40.0
Acenaphthylene	ug/L		ND		ND	ND	ND	EPA 625	10	0.14 - 2.0	5.0 - 400
Acrolein	ug/L		ND		ND	ND	ND	EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L		ND		ND	ND	ND	EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L		ND		ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.01
alpha-Chlordane	ug/L		ND		ND	ND	ND	EPA 608		0.001	0.02
alpha-hexachlorocyclohexane	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.06

Parameter	Units	January	February	March	April	May	June	July	August	September
Ammonia Nitrogen	mg/L	49.7	44.9	52.8	51.0	47.9	47.2	42.0	42.5	44.5
Anthracene	ug/L		ND			ND			ND	
Antimony	ug/L		3.16			9.11			4.17	
Aroclor 1016	ug/L		ND			ND			ND	
Aroclor 1221	ug/L		ND			ND			ND	
Aroclor 1232	ug/L		ND			ND			ND	
Aroclor 1242	ug/L		ND			ND			ND	
Aroclor 1248	ug/L		ND			ND			ND	
Aroclor 1254	ug/L		ND			ND			ND	
Aroclor 1260	ug/L		ND			ND			ND	
Arsenic	ug/L	4.71	5.01	3.91	4.71	4.30	3.63	4.29	4.90	3.88
Benzene	ug/L		33.6			23.8			22.1	
Benzidine	ug/L		ND			ND			ND	
Benzo(a)anthracene (1,2-benzanthracene)	ug/L		ND			ND			ND	
Benzo(a)pyrene	ug/L		ND			ND			ND	
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L		ND			ND			ND	
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L		ND			ND			ND	
Benzo(k)fluoranthene	ug/L		ND			ND			ND	
Beryllium	ug/L		DNQ Est. Conc. 0.040			ND			ND	
beta-hexachlorocyclohexane	ug/L		ND			ND			ND	
Bis(2-chloro-ethoxy)methane	ug/L		ND			ND			ND	
Bis(2-chloro-isopropyl)ether	ug/L		ND			ND			ND	
Bis(2-chloroethyl)ether	ug/L		ND			ND			ND	
Bis(2-ethylhexyl)phthalate	ug/L		ND			ND			DNQ Est. Conc. 6.9	
BOD	mg/L	419	430	471	498	480	489	446	420	436
Bromoform	ug/L		0.62			DNQ Est. Conc. 0.19			DNQ Est. Conc. 0.19	
Bromomethane	ug/L		DNQ Est. Conc. 0.46			ND			ND	
Butyl benzyl phthalate	ug/L		ND			DNQ Est. Conc. 2.1			ND	
Cadmium	ug/L	0.62	0.92	1.0	0.78	1.6	1.2	2.8	1.4	0.62
Carbon tetrachloride	ug/L		ND			ND			ND	
Chlordene-alpha	ug/L		ND			ND			ND	
Chlordene-gamma	ug/L		ND			ND			ND	
Chlorobenzene	ug/L		ND			ND			ND	
Chlorodibromomethane	ug/L		0.70			ND			DNQ Est. Conc. 0.25	
Chloroethane	ug/L		ND			ND			ND	
Chloroform	ug/L		20.8			26.7			29.8	
Chloromethane	ug/L		1.4			DNQ Est. Conc. 0.48			2.9	
Chromium (III)	ug/L		17.9			16.2			18.9	
Chromium (VI)	ug/L	ND	ND	ND	DNQ Est. Conc. 0.01	DNQ Est. Conc. 0.02	ND	0.75	ND	DNQ Est. Conc. 0.01
Chrysene	ug/L		ND			ND			ND	
cis-Nonachlor	ug/L		ND			ND			ND	
COD	mg/L	745	817	869	849	846	798	806	827	789
Copper	ug/L	86.5	101	91.7	105	137	96.6	106	114	93.5
Cyanide	ug/L	25.9	9.56	13.1	10.8	8.74	6.51	7.71	7.66	9.35
delta-hexachlorocyclohexane	ug/L		ND			ND			ND	
Di-n-butyl phthalate	ug/L		ND			ND			ND	
Di-n-octyl phthalate	ug/L		ND			ND			ND	
Dibenzo(a,h)anthracene	ug/L		ND			ND			ND	
Dichlorobromomethane	ug/L		0.76			DNQ Est. Conc. 0.22			1.0	
Dichloromethane	ug/L		2.0			2.8			3.6	
Dieldrin	ug/L		ND			ND			ND	
Diethylphthalate	ug/L		ND			DNQ Est. Conc. 2.9			DNQ Est. Conc. 3.2	
Dimethylphthalate	ug/L		ND			ND			ND	
Endosulfan sulfate	ug/L		ND			ND			ND	
Endosulfan-alpha	ug/L		DNQ Est. Conc. 0.002			ND			ND	
Endosulfan-beta	ug/L		ND			ND			ND	
Endrin aldehyde	ug/L		ND			ND			ND	

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Ammonia Nitrogen	mg/L	43.9	47.2	48.0	42.0	46.8	52.8	SM 4500 NH3 C		0.0600 - 0.100	4.00
Anthracene	ug/L		ND		ND	ND	ND	EPA 625	10	0.18 - 1.7	5.0 - 400
Antimony	ug/L		2.49		2.49	4.73	9.11	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.5
Aroclor 1221	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.2	0.8
Aroclor 1232	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.09 - 0.2	0.5
Aroclor 1242	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.02 - 0.08	0.9
Aroclor 1248	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.08
Aroclor 1254	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.01 - 0.03	0.4
Aroclor 1260	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L	4.26	5.46		3.63	4.46	5.46	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L		20.5		20.5	25.0	33.6	EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L		ND		ND	ND	ND	EPA 625	5	1.7 - 18	50 - 200
Benzo(a)anthracene (1,2-benzanthracene)	ug/L		ND		ND	ND	ND	EPA 625	5	0.19 - 0.95	5.0 - 200
Benzo(a)pyrene	ug/L		ND		ND	ND	ND	EPA 610 & EPA 625	10	0.01 - 0.65	0.10 - 400
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L		ND		ND	ND	ND	EPA 610 & EPA 625	10	0 - 0.70	0.10 - 400
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L		ND		ND	ND	ND	EPA 625	5	0.19 - 0.50	10 - 200
Benzo(k)fluoranthene	ug/L		ND		ND	ND	ND	EPA 610 & EPA 625	10	0 - 1.1	0.10 - 400
Beryllium	ug/L		ND		ND	ND	DNQ Est. Conc. 0.040	EPA 200.8	0.5	0.030	0.25
beta-hexachlorocyclohexane	ug/L		ND		ND	ND	ND	EPA 608	0.005	0.002 - 0.003	0.30
Bis(2-chloro-ethoxy)methane	ug/L		ND		ND	ND	ND	EPA 625	5	0.13 - 1.2	5.0 - 200
Bis(2-chloro-isopropyl)ether	ug/L		ND		ND	ND	ND	EPA 625	2	0.16 - 1.9	5.0 - 80.0
Bis(2-chloroethyl)ether	ug/L		ND		ND	ND	ND	EPA 625	1	0.19 - 1.4	5.0 - 40.0
Bis(2-ethylhexyl)phthalate	ug/L		DNQ Est. Conc. 14.3		ND	ND	DNQ Est. Conc. 14.3	EPA 625	5	0.25 - 12	20.0 - 80.0
BOD	mg/L	477	430	467	419	455	498	SM 5210B		0.6	150
Bromoform	ug/L		ND		ND	0.16	0.62	EPA 624	2	0.13 - 0.17	0.50
Bromomethane	ug/L		DNQ Est. Conc. 0.41		ND	ND	DNQ Est. Conc. 0.46	EPA 624	2	0.20 - 0.34	0.50
Butyl benzyl phthalate	ug/L		ND		ND	ND	DNQ Est. Conc. 2.1	EPA 625	10	0.16 - 0.90	5.0 - 400
Cadmium	ug/L	1.1	1.6		0.62	1.2	2.8	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L		ND		ND	ND	ND	EPA 624	2	0.11 - 0.28	0.50
Chlordene-alpha	ug/L		NR		ND	ND	ND	EPA 608		0.0003 - 0.0004	0.02
Chlordene-gamma	ug/L		NR		ND	ND	ND	EPA 608		0.002 - 0.005	0.01
Chlorobenzene	ug/L		ND		ND	ND	ND	EPA 624	2	0.08 - 0.13	0.50
Chlorodibromomethane	ug/L		ND		ND	0.18	0.70	EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L		ND		ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L		31.5		20.8	27.2	31.5	EPA 624	2	0.09 - 0.18	0.50
Chloromethane	ug/L		2.3		DNQ Est. Conc. 0.48	1.6	2.9	EPA 624	2	0.06 - 0.19	0.50
Chromium (III)	ug/L		44.0		16.2	24.2	44.0	Chromium III Calculation			
Chromium (VI)	ug/L	DNQ Est. Conc. 0.01	ND		ND	0.07	0.75	EPA 218.6 (Dissolved)		0.01 - 0.096	0.05 - 0.40
Chrysene	ug/L		ND		ND	ND	ND	EPA 610 & EPA 625	10	0 - 0.95	0.10 - 400
cis-Nonachlor	ug/L		ND		ND	ND	ND	EPA 608		0.0006 - 0.002	0.01
COD	mg/L	831			745	818	869	SM 5220C (SMicro)		7.3	25.0 - 50.0
Copper	ug/L	98.9	99.0	109	86.5	103	137	EPA 200.8	0.5	0.11 - 0.16	0.50 - 2.50
Cyanide	ug/L	8.63	12.7		6.51	11.0	25.9	SM 4500 CN E	5	0.7	5.00
delta-hexachlorocyclohexane	ug/L		ND		ND	ND	ND	EPA 608	0.005	0.003 - 0.004	0.03
Di-n-butyl phthalate	ug/L		ND		ND	ND	ND	EPA 625	10	0.16 - 1.2	5.0 - 400
Di-n-octyl phthalate	ug/L		ND		ND	ND	ND	EPA 625	10	0.16 - 0.95	5.0 - 400
Dibenzo(a,h)anthracene	ug/L		ND		ND	ND	ND	EPA 610 & EPA 625	10	0 - 0.40	0.10 - 400
Dichlorobromomethane	ug/L		0.51		DNQ Est. Conc. 0.22	0.57	1.0	EPA 624	2	0.09 - 0.17	0.50
Dichloromethane	ug/L		8.6		2.0	4.2	8.6	EPA 624	2	0.18 - 0.20	0.50
Dieldrin	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001	0.02
Diethylphthalate	ug/L		ND		ND	ND	DNQ Est. Conc. 3.2	EPA 625	2	0.21 - 0.75	5.0 - 80.0
Dimethylphthalate	ug/L		ND		ND	ND	ND	EPA 625	2	0.19 - 0.90	5.0 - 80.0
Endosulfan sulfate	ug/L		ND		ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.02
Endosulfan-alpha	ug/L		ND		ND	ND	DNQ Est. Conc. 0.002	EPA 608	0.02	0.001	0.20
Endosulfan-beta	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endrin aldehyde	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01

Parameter	Units	January	February	March	April	May	June	July	August	September
Endrin	ug/L		ND			ND			ND	
Ethylbenzene	ug/L		6.8			6.1			3.7	
Fluoranthene	ug/L		ND			ND			ND	
Fluorene	ug/L		ND			ND			ND	
gamma-Chlordane	ug/L		ND			ND			ND	
gamma-hexachlorocyclohexane	ug/L		DNQ Est. Conc. 0.007			DNQ Est. Conc. 0.01			ND	
Gross Alpha Radioactivity	pCi/L	9.57	5.76	4.95	3.22	9.00	3.17	5.72	7.86	2.88
Gross Beta Radioactivity	pCi/L	17.2	9.20	11.7	20.4	18.3	13.3	14.3	13.1	22.8
Heptachlor epoxide	ug/L		ND			ND			ND	
Heptachlor	ug/L		ND			ND			DNQ Est. Conc. 0.005	
Hexachlorobenzene	ug/L		ND			ND			ND	
Hexachlorobutadiene	ug/L		ND			ND			ND	
Hexachlorocyclopentadiene	ug/L		ND			ND			ND	
Hexachloroethane	ug/L		ND			ND			ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND			ND			ND	
Isophorone	ug/L		ND			ND			ND	
Lead	ug/L	4.33	5.67	4.76	4.46	5.57	5.44	5.35	4.85	4.66
Mercury	ug/L	0.11	0.11	0.23	0.39	0.09	0.31	0.42	0.43	0.13
Methyl-tert-butyl-ether	ug/L		2.7			1.9			DNQ Est. Conc. 0.41	
n-Nitroso-n-propylamine	ug/L		ND			ND			ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND			ND			ND	
n-Nitrosodiphenylamine	ug/L		ND			ND			ND	
Naphthalene	ug/L		ND			DNQ Est. Conc. 2.5			DNQ Est. Conc. 2.5	
Nickel	ug/L	16.1	19.0	19.0	18.1	17.9	17.0	17.8	18.3	20.2
Nitrate as Nitrogen	mg/L		0.17			1.36			0.82	
Nitrite as Nitrogen	mg/L		0.26			0.52			0.33	
Nitrobenzene	ug/L		ND			ND			ND	
OctaCDD	pg/L		380 (1)			260 (1)			180 (1)	
OctaCDF	pg/L		ND (1)			ND (1)			ND (1)(2)	
Oil and grease	mg/L	53.7	55.9	56.9	52.1	62.5	73.4	56.0	58.3	57.8
Organic nitrogen	mg/L		24.7			24.4			21.4	
Oxychlordane	ug/L		ND			ND			ND	
Pentachlorophenol	ug/L		ND			DNQ Est. Conc. 4.8			ND	
Phenanthrene	ug/L		ND			ND			ND	
Phenol	ug/L		58			120			233	
pH	SU	7.2	7.2	7.1	7.2	7.1	7.1	7.1	7.1	7.2
Pyrene	ug/L		ND			ND			ND	
Selenium	ug/L	9.15	12.7	12.1	10.6	9.19	8.02	9.38	10.6	8.27
Silver	ug/L	0.79	1.21	1.16	1.15	1.68	0.84	1.26	1.22	0.61
TCDD equivalents	pg/L		0.38			0.26			0.18	
Tetrachloroethylene	ug/L		2.0			0.88			ND	
Thallium	ug/L		DNQ Est. Conc. 0.020			ND			DNQ Est. Conc. 0.020	
Toluene	ug/L		49.0			41.0			28.2	
Total Chlordanes	ug/L		ND			ND			ND	
Total DDT	ug/L		ND			ND			ND	
Total Dichlorobenzene	ug/L		ND			ND			ND	
Total Endosulfan	ug/L		ND			ND			ND	
Total Halomethanes	ug/L		2.0			ND			2.9	
Total HCH	ug/L		ND			ND			ND	
Total Organic Carbon	mg/L									
Total PAHs	ug/L		ND			ND			ND	
Total PCBs as Aroclors	ug/L		ND			ND			ND	
Total Phenolic Compounds (Chlorinated)	ug/L		15.0			22.0			ND	
Total Phenolic Compounds (non-chlorinated)	ug/L		68.0			137			266	
Total Phosphorus as P	mg/L		9.51			10.8			9.59	
Total Suspended Solids	mg/L	507	537	556	549	544	538	521	521	486
Toxaphene	ug/L		ND			ND			ND	

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Endrin	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.02
Ethylbenzene	ug/L		3.1		3.1	4.9	6.8	EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L		ND		ND	ND	ND	EPA 625	1	0.19 - 1.1	5.0 - 40.0
Fluorene	ug/L		ND		ND	ND	ND	EPA 625	10	0.18 - 1.8	5.0 - 400
gamma-Chlordane	ug/L		ND		ND	ND	ND	EPA 608		0.002	0.02
gamma-hexachlorocyclohexane	ug/L		DNQ Est. Conc. 0.006		ND	ND	DNQ Est. Conc. 0.01	EPA 608	0.02	0.0009 - 0.001	0.04
Gross Alpha Radioactivity	pCi/L	ND	7.84		ND	5.45	9.57	EPA 900.0		1.65 - 3.97	1.65 - 3.97
Gross Beta Radioactivity	pCi/L	19.4	18.7		9.20	16.2	22.8	EPA 900.0		1.41 - 3.43	1.41 - 3.43
Heptachlor epoxide	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001	0.02
Heptachlor	ug/L		ND		ND	ND	DNQ Est. Conc. 0.005	EPA 608	0.01	0.0008 - 0.001	0.03
Hexachlorobenzene	ug/L		ND		ND	ND	ND	EPA 625	1	0.18 - 2.4	5.0 - 40.0
Hexachlorobutadiene	ug/L		ND		ND	ND	ND	EPA 625	1	0.14 - 2.4	5.0 - 40.0
Hexachlorocyclopentadiene	ug/L		ND		ND	ND	ND	EPA 625	5	0.75 - 7.3	25 - 200
Hexachloroethane	ug/L		ND		ND	ND	ND	EPA 625	1	0.14 - 2.6	5.0 - 40.0
Indeno (1,2,3-cd) pyrene	ug/L		ND		ND	ND	ND	EPA 610 & EPA 625	10	0 - 0.60	0.10 - 400
Isophorone	ug/L		ND		ND	ND	ND	EPA 625	1	0.13 - 1.0	5.0 - 40.0
Lead	ug/L	4.49	5.00		4.33	4.96	5.67	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.12	0.48		0.09	0.3	0.48	EPA 245.1	0.5	0.004	0.04
Methyl-tert-butyl-ether	ug/L		2.6		DNQ Est. Conc. 0.41	1.8	2.7	EPA 624		0.08 - 0.21	0.50
n-Nitroso-n-propylamine	ug/L		ND		ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0003 - 1.3	0.020 - 200
n-Nitrosodimethylamine (NDMA)	ug/L		ND		ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.70	0.020 - 200
n-Nitrosodiphenylamine	ug/L		ND		ND	ND	ND	EPA 625	1	0.15 - 0.95	5.0 - 40.0
Naphthalene	ug/L		ND		ND	ND	DNQ Est. Conc. 2.5	EPA 625	1	0.18 - 2.4	5.0 - 40.0
Nickel	ug/L	16.7	14.4		14.4	17.7	20.2	EPA 200.8	1	0.12	1.00
Nitrate as Nitrogen	mg/L		NR		0.17	0.78	1.36	SM 4500 NO3 E		0.00600	0.100
Nitrite as Nitrogen	mg/L		NR		0.26	0.37	0.52	SM 4500 NO2 B		0.00040 - 0.00050	0.100
Nitrobenzene	ug/L		ND		ND	ND	ND	EPA 625	1	0.22 - 1.8	5.0 - 40.0
OctaCDD	pg/L		310 (1)		180 (1)	282	380 (1)	EPA 1613B		0.35 - 1.2	100 - 120
OctaCDF	pg/L		DNQ Est. Conc. 23 (1)		ND (1)	ND	DNQ Est. Conc. 23 (1)	EPA 1613B		0.34 - 0.72	100 - 120
Oil and grease	mg/L	58.8	61.5	64.7	52.1	59.3	73.4	EPA 1664A		1.2	4.0
Organic nitrogen	mg/L		26.2		21.4	24.2	26.2	SM 4500 NH3 C			1.0
Oxychlordane	ug/L		ND		ND	ND	ND	EPA 608		0.001	0.04
Pentachlorophenol	ug/L		ND		ND	ND	DNQ Est. Conc. 4.8	EPA 625	5	0.38 - 0.95	5.0 - 40.0
Phenanthrene	ug/L		ND		ND	ND	ND	EPA 625	5	0.19 - 1.6	5.0 - 200
Phenol	ug/L		186		58	149	233	EPA 625	1	0.14 - 0.80	5.0 - 40.0
pH	SU	7.1	7.1	7.1	7.1	7.1	7.2	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L		ND		ND	ND	ND	EPA 625	10	0.19 - 1.2	5.0 - 400
Selenium	ug/L	9.23	8.62		8.02	9.80	12.7	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L	0.91	1.35		0.61	1.1	1.68	EPA 200.8	0.25	0.01 - 0.02	0.20
TCDD equivalents	pg/L		0.31		0.18	0.28	0.38	EPA 1613B			
Tetrachloroethylene	ug/L		22.8		ND	6.4	22.8	EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L		ND		ND	ND	DNQ Est. Conc. 0.020	EPA 200.8	1	0.015	0.25
Toluene	ug/L		21.8		21.8	35.0	49.0	EPA 624	2	0.06 - 0.19	0.50
Total Chlordanes	ug/L		ND		ND	ND	ND	EPA 608			
Total DDT	ug/L		ND		ND	ND	ND	EPA 608			
Total Dichlorobenzene	ug/L		ND		ND	ND	ND	EPA 624			
Total Endosulfan	ug/L		ND		ND	ND	ND	EPA 608			
Total Halomethanes	ug/L		2.3		ND	1.8	2.9	EPA 624			
Total HCH	ug/L		ND		ND	ND	ND	EPA 608			
Total Organic Carbon	mg/L		80.9	90.8	80.9	85.9	90.8	SM 5310C		0.05	25.0 -50.0
Total PAHs	ug/L		ND		ND	ND	ND	EPA 625			
Total PCBs as Aroclors	ug/L		ND		ND	ND	ND	EPA 608			
Total Phenolic Compounds (Chlorinated)	ug/L		ND		ND	9.25	22.0	EPA 625			
Total Phenolic Compounds (non-chlorinated)	ug/L		186		68.0	164	266	EPA 625			
Total Phosphorus as P	mg/L		10.4		9.51	10.1	10.8	SM4500P-E		0.00300	2.50 - 3.33
Total Suspended Solids	mg/L	503	504	523	486	524	556	SM 2540D		2.5	2.5
Toxaphene	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.3

Parameter	Units	January	February	March	April	May	June	July	August	September
trans-Nonachlor	ug/L		ND			ND			ND	
Tributyltin (TBT)	ng/L		ND			ND			ND	
Trichloroethylene	ug/L		ND			ND			ND	
Vinyl Chloride	ug/L		ND			ND			ND	
Zinc	ug/L	278	314	258	272	295	270	302	309	271

JWPCP
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
trans-Nonachlor	ug/L		ND		ND	ND	ND	EPA 608		0.001	0.01
Tributyltin (TBT)	ng/L		ND		ND	ND	ND	Tributyltin by GC/FPD		1.4 - 1.5	3.0 - 3.4
Trichloroethylene	ug/L		ND		ND	ND	ND	EPA 624	2	0.13 - 0.28	0.50
Vinyl Chloride	ug/L		ND		ND	ND	ND	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	258	294		258	284	314	EPA 200.8	1	0.60 - 0.66	2.00 - 10.0

(1) Blank Contaminatin was observed. Data acceptability critieria are based on EPA Guideline 821-R-07-002(PCB Congeners) and USEPA Region 11 Data validation SOP for EPA Meithod 1613(TCDD Congeners).

(2) Possible interference observed. The measured ratio did not neet qualitative criteria for analysis and results are condidered to be an estimated maximum possible concentration.

JWPCP Effluent Monitoring

JWPCP
2017 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND			ND			ND		
1,1-Dichloroethylene	ug/L		ND			ND			ND		
1,1,1-Trichloroethane	ug/L		ND			ND			ND		
1,1,2-Trichloroethane	ug/L		ND			ND			ND		
1,1,2,2-Tetrachloroethane	ug/L		ND			ND			ND		
1,2-Dichlorobenzene	ug/L		ND			ND			ND		
1,2-Dichloroethane	ug/L		ND			ND			ND		
1,2-Dichloropropane	ug/L		ND			ND			ND		
1,2-Diphenylhydrazine	ug/L		ND			ND	ND		ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)			ND (1)			ND (1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (1)(2)			ND			ND (1)(2)		
1,2,3,4,7,8-HexaCDD	pg/L		ND			ND			ND		
1,2,3,4,7,8-HexaCDF	pg/L		ND			ND			ND (1)		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND (1)(2)			ND (1)			ND		
1,2,3,6,7,8-HexaCDD	pg/L		ND			ND			ND		
1,2,3,6,7,8-HexaCDF	pg/L		ND			ND			ND (1)		
1,2,3,7,8-PentaCDD	pg/L		ND			ND			ND		
1,2,3,7,8-PentaCDF	pg/L		ND			ND			ND		
1,2,3,7,8,9-HexaCDD	pg/L		ND			ND			ND		
1,2,3,7,8,9-HexaCDF	pg/L		ND			ND			ND (1)		
1,2,4-Trichlorobenzene	ug/L		ND			ND	ND		ND		
1,3-Dichlorobenzene	ug/L		ND			ND			ND		
1,3-Dichloropropene	ug/L		ND			ND			ND		
1,4-Dichlorobenzene	ug/L		ND			DNQ Est. Conc. 0.19			ND		
2-Chloroethylvinyl ether	ug/L		ND			ND			ND		
2-Chloronaphthalene	ug/L		ND			ND	ND		ND		
2-Chlorophenol	ug/L		ND			ND	ND		ND		
2-methyl-4,6-dinitrophenol	ug/L		ND			ND	ND		ND		
2-Nitrophenol	ug/L		ND			ND	ND		ND		
2,3,4,6,7,8-HexaCDF	pg/L		ND			ND			ND		
2,3,4,7,8-PentaCDF	pg/L		ND			ND			ND		
2,3,7,8-TCDD	pg/L		ND			ND			ND		
2,3,7,8-TetraCDF	pg/L		ND			ND			ND		
2,4-Dichlorophenol	ug/L		ND			ND	ND		ND		
2,4-Dimethylphenol	ug/L		ND			ND	ND		ND		
2,4-Dinitrophenol	ug/L		ND			ND	ND		ND		
2,4-Dinitrotoluene	ug/L		ND			ND	ND		ND		
2,4,6-Trichlorophenol	ug/L		ND			ND	ND		DNQ Est. Conc. 0.49		
2,4'-DDD	ug/L		ND			ND			ND		
2,4'-DDE	ug/L		ND			ND			ND		
2,4'-DDT	ug/L		ND			ND			ND		
2,6-Dinitrotoluene	ug/L		ND			ND	ND		ND		
3,3'-Dichlorobenzidine	ug/L		ND			ND	ND		ND		
4-Bromophenyl phenyl ether	ug/L		ND			ND	ND		ND		
4-Chloro-3-methylphenol	ug/L		ND			ND	ND		ND		
4-Chlorophenyl phenyl ether	ug/L		ND			ND	ND		ND		
4-Nitrophenol	ug/L		ND			ND	ND		ND		
4,4'-DDD	ug/L		ND			ND			ND		
4,4'-DDE	ug/L		ND			ND			ND		
4,4'-DDT	ug/L		ND			ND			ND		
Acenaphthene	ug/L		ND			ND	ND		ND		
Acenaphthylene	ug/L		ND			ND	ND		ND		
Acrolein	ug/L		ND			ND			ND		
Acrylonitrile	ug/L		ND			ND			ND		
Aldrin	ug/L		ND			ND			ND		
alpha hexachlorocyclohexane	ug/L		ND			ND			ND		
Ammonia Nitrogen	mg/L	44.5	42.7	53.0	47.7	44.8	45.7	42.1	41.8	42.2	38.9
Anthracene	ug/L		ND			ND	ND		ND		
Antimony	ug/L		1.87			3.78			2.16		
Aroclor 1016	ug/L		ND			ND			ND		
Aroclor 1221	ug/L		ND			ND			ND		

JWPCP
2017 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Performance Goal	Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Monthly Average				
1,1-Dichloroethane	ug/L	ND		ND	ND	ND				EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethylene	ug/L	ND		ND	ND	ND			1.1	EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND			1.8	EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND			0.45	EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND			0.4	EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND				EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	ND			0.6	EPA 624	2	0.09 - 0.22	0.50
1,2-Dichloropropane	ug/L	ND		ND	ND	ND				EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L	ND		ND	ND	ND			0.65	EPA 625	1	0.13 - 0.20	1.0 - 4.0
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)		ND (1)	ND	ND (1)				EPA 1613B		0.18 - 0.40	51 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)		ND	ND	ND (1)(2)				EPA 1613B		0.33 - 7.6	51 - 54
1,2,3,4,7,8-HexaCDD	pg/L	ND		ND	ND	ND				EPA 1613B		0.22 - 0.33	51 - 54
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.1		ND	ND	DNQ Est. Conc. 1.1				EPA 1613B		0.27 - 0.65	51 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND		ND	ND	ND (1)(2)				EPA 1613B		0.18 - 0.56	51 - 54
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.1 (2)		ND	ND	DNQ Est. Conc. 1.1 (2)				EPA 1613B		0.23 - 0.33	51 - 54
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.0		ND	ND	DNQ Est. Conc. 1.0				EPA 1613B		0.24 - 0.58	51 - 54
1,2,3,7,8-PentaCDD	pg/L	DNQ Est. Conc. 1.2		ND	ND	DNQ Est. Conc. 1.2				EPA 1613B		0.37 - 0.72	51 - 54
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 0.96 (2)		ND	ND	DNQ Est. Conc. 0.96 (2)				EPA 1613B		0.20 - 0.33	51 - 54
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 1.1 (2)		ND	ND	DNQ Est. Conc. 1.1 (2)				EPA 1613B		0.19 - 0.29	51 - 54
1,2,3,7,8,9-HexaCDF	pg/L	ND (1)(2)		ND	ND	ND (1)(2)				EPA 1613B		0.20 - 0.36	51 - 54
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND				EPA 625	5	0.17	5.0 - 20.0
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND				EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene	ug/L	ND		ND	ND	ND			0.65	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L	ND		ND	ND	DNQ Est. Conc. 0.19			1(3)/1.0(4)	EPA 624	2	0.07 - 0.18	0.50
2-Chloroethylvinyl ether	ug/L	ND		ND	ND	ND				EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L	ND		ND	ND	ND				EPA 625	10	0.12 - 0.16	10.0 - 40.0
2-Chlorophenol	ug/L	ND		ND	ND	ND				EPA 625	5	0.15	5.0 - 20.0
2-methyl-4,6-dinitrophenol	ug/L	ND		ND	ND	ND			13	EPA 625	5	1.3 - 3.5	5.0 - 20.0
2-Nitrophenol	ug/L	ND		ND	ND	ND				EPA 625	10	0.18 - 0.20	10.0 - 40.0
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.92 (2)		ND	ND	DNQ Est. Conc. 0.92 (2)				EPA 1613B		0.21 - 0.42	51 - 54
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.1		ND	ND	DNQ Est. Conc. 1.1				EPA 1613B		0.22 - 0.36	51 - 54
2,3,7,8-TCDD	pg/L	ND		ND	ND	ND				EPA 1613B		0.30 - 0.45	10 - 11
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 0.39		ND	ND	DNQ Est. Conc. 0.39				EPA 1613B		0.18 - 0.44	10 - 11
2,4-Dichlorophenol	ug/L	ND		ND	ND	ND				EPA 625	5	0.11 - 0.15	5.0 - 20.0
2,4-Dimethylphenol	ug/L	ND		ND	ND	ND				EPA 625	2	0.11 - 0.36	2.0 - 8.0
2,4-Dinitrophenol	ug/L	ND		ND	ND	ND			17	EPA 625	5	1.7 - 2.0	5.0 - 20.0
2,4-Dinitrotoluene	ug/L	ND		ND	ND	ND			1(3)/1.0(4)	EPA 625	5	0.20 - 0.22	5.0 - 20.0
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.49		ND	ND	DNQ Est. Conc. 0.49			0.6	EPA 625	10	0.12 - 0.17	10.0 - 40.0
2,4'-DDD	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
2,4'-DDE	ug/L	ND		ND	ND	ND				EPA 608		0.001 - 0.002	0.01
2,4'-DDT	ug/L	ND		ND	ND	ND				EPA 608		0.002 - 0.003	0.01
2,6-Dinitrotoluene	ug/L	ND		ND	ND	ND				EPA 625	5	0.12 - 0.22	5.0 - 20.0
3,3'-Dichlorobenzidine	ug/L	ND		ND	ND	ND		1.4(5)/1.2(6)		EPA 625	5	0.66 - 1.2	5.0 - 20.0
4-Bromophenyl phenyl ether	ug/L	ND		ND	ND	ND				EPA 625	5	0.21 - 0.28	5.0 - 20.0
4-Chloro-3-methylphenol	ug/L	ND		ND	ND	ND				EPA 625	1	0.13 - 0.22	1.0 - 4.0
4-Chlorophenyl phenyl ether	ug/L	ND		ND	ND	ND				EPA 625	5	0.17 - 0.33	5.0 - 20.0
4-Nitrophenol	ug/L	ND		ND	ND	ND				EPA 625	10	1.3 - 1.4	10.0 - 40.0
4,4'-DDD	ug/L	ND		ND	ND	ND				EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L	ND		ND	ND	ND				EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L	ND		ND	ND	ND				EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L	ND		ND	ND	ND				EPA 625	1	0.15 - 0.38	1.0 - 4.0
Acenaphthylene	ug/L	ND		ND	ND	ND				EPA 625	10	0.14 - 0.22	10.0 - 40.0
Acrolein	ug/L	ND		ND	ND	ND			5.2	EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L	ND		ND	ND	ND			2.7	EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L	ND		ND	ND	ND			0.0037	EPA 608	0.005	0.0009 - 0.002	0.005
alpha hexachlorocyclohexane	ug/L	ND		ND	ND	ND				EPA 608	0.01	0.001 - 0.002	0.01
Ammonia Nitrogen	mg/L	43.0	46.0	38.9	44.4	53.0			40(3)/47(4)	SM 4500 NH3 C & SM 4500 NH3 G		0.020 - 0.100	1.00 - 10.0
Anthracene	ug/L	ND		ND	ND	ND				EPA 625	10	0.16 - 0.18	10.0 - 40.0
Antimony	ug/L	1.39		1.39	2.30	3.78			9.8(3)/6.8(4)	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L	ND		ND	ND	ND				EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L	ND		ND	ND	ND				EPA 608	0.5	0.2	0.5

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Aroclor 1232	ug/L		ND			ND			ND		
Aroclor 1242	ug/L		ND			ND			ND		
Aroclor 1248	ug/L		ND			ND			ND		
Aroclor 1254	ug/L		ND			ND			ND		
Aroclor 1260	ug/L		ND			ND			ND		
Arsenic	ug/L	1.57	1.92	1.60	2.00	1.87	1.76	1.79	2.24	1.97	2.10
Benzene	ug/L		ND			ND			ND		
Benzidine	ug/L		ND			ND	ND		ND		
Benzo(a)anthracene (1,2-benzanthracene)	ug/L		ND			ND	ND		ND		
Benzo(a)pyrene	ug/L		ND			ND	ND		ND		
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L		ND			ND	ND		ND		
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L		ND			ND	ND		ND		
Benzo(k)fluoranthene	ug/L		ND			ND	ND		ND		
Beryllium	ug/L		ND			ND			ND		
beta-hexachlorocyclohexane	ug/L		ND			ND			ND		
Bis(2-chloro-ethoxy)methane	ug/L		ND			ND	ND		ND		
Bis(2-chloro-isopropyl)ether	ug/L		ND			ND	ND		ND		
Bis(2-chloroethyl)ether	ug/L		ND			ND	ND		ND		
Bis(2-ethylhexyl) phthalate	ug/L		ND			ND	DNQ Est. Conc. 0.26		ND		
BOD	mg/L	5.4	6.5	4.6	4.0	3.8	3.7	3.1	3.2	3.1	2.9
Bromoform	ug/L		DNQ Est. Conc. 0.41			DNQ Est. Conc. 0.25			ND		
Bromomethane	ug/L		ND			ND			ND		
Butyl benzyl phthalate	ug/L		ND			ND	ND		ND		
Cadmium	ug/L	ND	ND	DNQ Est. Conc. 0.035	ND	ND	ND	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.040	ND	ND
Carbon tetrachloride	ug/L		ND			ND			ND		
Chlordane-alpha	ug/L		ND			ND			ND		
Chlordane-gamma	ug/L		ND			ND			ND		
Chlordene-alpha	ug/L		ND			ND			ND		
Chlordene-gamma	ug/L		ND			ND			ND		
Chlorobenzene	ug/L		ND			ND			ND		
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.45			DNQ Est. Conc. 0.24			ND		
Chloroethane	ug/L		ND			ND			ND		
Chloroform	ug/L		12.8			11.4			14.9		
Chloromethane	ug/L		DNQ Est. Conc. 0.24			ND			ND		
Chromium (III)	ug/L		1.00			0.86			0.92		
Chromium (VI)	ug/L	0.12	DNQ Est. Conc. 0.01	0.18	0.24	0.25	ND	ND	ND	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.01
Chrysene	ug/L		ND			ND	ND		ND		
cis-Nonachlor	ug/L		ND			ND			ND		
COD	mg/L	56	63	61	58	55	52	50	56	54	53
Copper	ug/L	1.90	2.26	2.40	3.73	1.68	1.51	1.75	1.93	1.72	1.66
Cyanide	ug/L	DNQ Est. Conc. 3.62	5.22	DNQ Est. Conc. 3.50	5.40	DNQ Est. Conc. 4.81	DNQ Est. Conc. 4.60	5.39	DNQ Est. Conc. 3.25	DNQ Est. Conc. 4.95	DNQ Est. Conc. 4.66
delta-hexachlorocyclohexane	ug/L		ND			ND			ND		
Di-n-butyl phthalate	ug/L		DNQ Est. Conc. 1.2			ND	ND		DNQ Est. Conc. 0.85		
Di-n-octyl phthalate	ug/L		ND			ND	ND		ND		
Dibenzo(a,h)anthracene	ug/L		ND			ND	ND		ND		
Dichlorobromomethane	ug/L		0.76			0.62			0.83		
Dichloromethane	ug/L		1.5			1.7			1.4		
Dieldrin	ug/L		ND			ND			ND		
Diethyl phthalate	ug/L		ND			ND	ND		ND		
Dimethyl phthalate	ug/L		ND			ND	ND		ND		
Endosulfan sulfate	ug/L		ND			ND			ND		
Endosulfan-alpha	ug/L		ND			ND			ND		
Endosulfan-beta	ug/L		ND			ND			ND		
Endrin aldehyde	ug/L		ND			ND			ND		
Endrin	ug/L		ND			ND			ND		
Ethylbenzene	ug/L		ND			ND			ND		
Fluoranthene	ug/L		ND			ND	ND		ND		
Fluorene	ug/L		ND			ND	ND		ND		
gamma-hexachlorocyclohexane	ug/L		ND			ND			ND		
Gross alpha radioactivity	pCi/L	6.30	9.28	5.77	6.66	5.22	2.66	5.14	4.43	0.972	1.09
Gross beta radioactivity	pCi/L	12.5	13.1	15.2	ND	13.0	18.4	11.5	10.6	17.7	15.2
Heptachlor epoxide	ug/L		ND			ND			ND		

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Parameter	Units	November	December	Monthly Average			Limit		Performance Goal	Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Monthly Average				
Aroclor 1232	ug/L	ND		ND	ND	ND				EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L	ND		ND	ND	ND				EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L	ND		ND	ND	ND				EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L	ND		ND	ND	ND				EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L	ND		ND	ND	ND				EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L	2.12		1.57	1.90	2.24			2.5	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L	ND		ND	ND	ND			0.75	EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L	ND		ND	ND	ND		0.012(5)/0.01(6)		EPA 625	5	1.6 - 1.7	5.0 - 20.0
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND		ND	ND	ND				EPA 625	5	0.12 - 0.19	5.0 - 20.0
Benzo(a)pyrene	ug/L	ND		ND	ND	ND				EPA 610	10	0.007	0.020 - 0.10
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND		ND	ND	ND				EPA 610	10	0.004	0.020 - 0.10
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND		ND	ND	ND				EPA 625	5	0.13 - 0.19	5.0 - 20.0
Benzo(k)fluoranthene	ug/L	ND		ND	ND	ND				EPA 610	10	0.005	0.020 - 0.10
Beryllium	ug/L	ND		ND	ND	ND			0.15	EPA 200.8	0.5	0.030	0.25
beta-hexachlorocyclohexane	ug/L	ND		ND	ND	ND				EPA 608	0.005	0.002 - 0.003	0.005
Bis(2-chloro-ethoxy)methane	ug/L	ND		ND	ND	ND			1.3	EPA 625	5	0.13 - 0.50	5.0 - 20.0
Bis(2-chloro-isopropyl)ether	ug/L	ND		ND	ND	ND			1.6	EPA 625	2	0.16 - 0.25	2.0 - 8.0
Bis(2-chloroethyl)ether	ug/L	ND		ND	ND	ND			0.95	EPA 625	1	0.13 - 0.19	1.0 - 4.0
Bis(2-ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 1.7		ND	ND	DNQ Est. Conc. 1.7			17(3)/14(4)	EPA 625	5	0.17 - 0.25	2.0 - 8.0
BOD	mg/L	3.5	3.8	2.9	4.0	6.5		30		SM 5210B		0.6	2.4 - 6.0
Bromoform	ug/L	DNQ Est. Conc. 0.19		ND	ND	DNQ Est. Conc. 0.41				EPA 624	2	0.13 - 0.17	0.50
Bromomethane	ug/L	ND		ND	ND	ND				EPA 624	2	0.20 - 0.34	0.50
Butyl benzyl phthalate	ug/L	ND		ND	ND	ND				EPA 625	10	0.10 - 0.16	10.0 - 40.0
Cadmium	ug/L	ND		ND	ND	DNQ Est. Conc. 0.04			0.1	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND			1(3)/1.0(4)	EPA 624	2	0.11 - 0.28	0.50
Chlordane-alpha	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
Chlordane-gamma	ug/L	ND		ND	ND	ND				EPA 608		0.002	0.01
Chlordene-alpha	ug/L	NR		ND	ND	ND				EPA 608		0.0003 - 0.0004	0.02
Chlordene-gamma	ug/L	NR		ND	ND	ND				EPA 608		0.002 - 0.005	0.01
Chlorobenzene	ug/L	ND		ND	ND	ND			1.2	EPA 624	2	0.08 - 0.13	0.50
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.24		ND	ND	DNQ Est. Conc. 0.45			0.6	EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L	ND		ND	ND	ND				EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	15.8		11.4	13.7	15.8			30(3)/25.4(4)	EPA 624	2	0.09 - 0.18	0.50
Chloromethane	ug/L	DNQ Est. Conc. 0.21		ND	ND	DNQ Est. Conc. 0.24				EPA 624	2	0.06 - 0.19	0.50
Chromium (III)	ug/L	1.15		0.86	0.98	1.15			3.3(3)/2.9(4)	Chromium III Calculation			
Chromium (VI)	ug/L	ND		ND	0.07	0.25			1.5	EPA 218.6 (Dissolved)		0.01 - 0.48	0.05 - 2.0
Chrysene	ug/L	ND		ND	ND	ND				EPA 610	10	0.005	0.020 - 0.10
cis-Nonachlor	ug/L	ND		ND	ND	ND				EPA 608		0.0006 - 0.002	0.01
COD	mg/L			50	56	63				SM 5220C (SMicro)		7.3	10.0
Copper	ug/L	1.53		1.51	2.01	3.73			4.9	EPA 200.8	0.5	0.11 - 0.16	0.50
Cyanide	ug/L	7.42		DNQ Est. Conc. 3.25	2.13	7.42			19(3)/10(4)	SM 4500 CN E	5	0.7	5.00
delta-hexachlorocyclohexane	ug/L	ND		ND	ND	ND				EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L	DNQ Est. Conc. 0.91		ND	ND	DNQ Est. Conc. 1.2			4.4	EPA 625	10	0.10 - 0.16	10.0 - 40.0
Di-n-octyl phthalate	ug/L	ND		ND	ND	ND				EPA 625	10	0.12 - 0.16	10.0 - 40.0
Dibenzo(a,h)anthracene	ug/L	ND		ND	ND	ND				EPA 610	10	0.004	0.020 - 0.10
Dichlorobromomethane	ug/L	0.95		0.62	0.79	0.95			2(3)/1.5(4)	EPA 624	2	0.09 - 0.17	0.50
Dichloromethane	ug/L	1.7		1.4	1.6	1.7			3	EPA 624	2	0.18 - 0.20	0.50
Dieldrin	ug/L	ND		ND	ND	ND			0.005	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L	ND		ND	ND	ND			2.1	EPA 625	2	0.21 - 0.27	2.0 - 8.0
Dimethyl phthalate	ug/L	ND		ND	ND	ND			1.9	EPA 625	2	0.19 - 0.26	2.0 - 8.0
Endosulfan sulfate	ug/L	ND		ND	ND	ND				EPA 608	0.05	0.002 - 0.009	0.01
Endosulfan-alpha	ug/L	ND		ND	ND	ND				EPA 608	0.02	0.001	0.01
Endosulfan-beta	ug/L	ND		ND	ND	ND				EPA 608	0.01	0.001 - 0.003	0.01
Endrin aldehyde	ug/L	ND		ND	ND	ND				EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L	ND		ND	ND	ND			0.01	EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L	ND		ND	ND	ND			1.9	EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L	ND		ND	ND	ND			1.9	EPA 625	1	0.10 - 0.19	1.0 - 4.0
Fluorene	ug/L	ND		ND	ND	ND				EPA 625	10	0.18 - 0.30	10.0 - 40.0
gamma-hexachlorocyclohexane	ug/L	ND		ND	ND	ND				EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L	5.89		0.972	4.86	9.28			6.3(3)/10.9(4)	EPA 900.0		1.67 - 3.56	1.67 - 3.56
Gross beta radioactivity	pCi/L	11.3		ND	12.6	18.4			29(3)/30.5(4)	EPA 900.0		1.40 - 3.52	1.40 - 3.52
Heptachlor epoxide	ug/L	ND		ND	ND	ND			0.0033	EPA 608	0.01	0.001	0.01

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Heptachlor	ug/L		ND			ND			ND		
Hexachlorobenzene	ug/L		ND			ND	ND		ND		
Hexachlorobutadiene	ug/L		ND			ND	ND		ND		
Hexachlorocyclopentadiene	ug/L		ND			ND	ND		ND		
Hexachloroethane	ug/L		ND			ND	ND		ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND			ND	ND		ND		
Isophorone	ug/L		ND			ND	ND		ND		
Lead	ug/L	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.09	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.12	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.09
Mercury	ug/L	0.0022	0.0041	0.0022	0.0016	0.0020	0.0026	0.0020	0.0029	0.0017	0.0025
Methyl-tert-butyl-ether	ug/L		1.6			3.7			DNQ Est. Conc. 0.37		
n-Nitrosodi-n-propylamine	ug/L		ND			ND	ND		ND		
n-Nitrosodimethylamine (NDMA)	ug/L		ND			ND	ND		ND		
n-Nitrosodiphenylamine	ug/L		ND			ND	ND		ND		
Naphthalene	ug/L		ND			ND	ND		ND		
Nickel	ug/L	4.97	8.63	7.96	8.34	7.35	6.62	7.03	6.93	5.46	7.33
Nitrate as Nitrogen	mg/L		ND			ND			ND		
Nitrite as Nitrogen	mg/L		0.08			0.05			0.13		
Nitrobenzene	ug/L		ND			ND	ND		ND		
OctaCDD	pg/L		ND (1)			ND (1)			ND (1)		
OctaCDF	pg/L		ND (1)(2)			ND (1)(2)			ND (1)		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L		5.14			3.08			1.76		
Oxychlordane	ug/L		ND			ND			ND		
PCB-105	pg/L								DNQ Est. Conc. 7.6		
PCB-110/115	pg/L								DNQ Est. Conc. 21 (1)		
PCB-114	pg/L								ND		
PCB-118	pg/L								DNQ Est. Conc. 17 (1)		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								ND		
PCB-129/138/163	pg/L								ND (1)		
PCB-135/151	pg/L								ND		
PCB-147/149	pg/L								ND (1)		
PCB-153/168	pg/L								ND (1)		
PCB-156/157	pg/L								DNQ Est. Conc. 1.9		
PCB-158	pg/L								ND		
PCB-167	pg/L								ND		
PCB-169	pg/L								ND		
PCB-170	pg/L								ND (1)		
PCB-177	pg/L								ND (1)		
PCB-18/30	pg/L								DNQ Est. Conc. 22		
PCB-180/193	pg/L								ND (1)		
PCB-183	pg/L								ND		
PCB-187	pg/L								ND (1)		
PCB-189	pg/L								ND		
PCB-194	pg/L								DNQ Est. Conc. 1.8 (1)		
PCB-20/28	pg/L								DNQ Est. Conc. 34		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCB-37	pg/L								DNQ Est. Conc. 6.1		
PCB-44/47/65	pg/L								DNQ Est. Conc. 22 (1)		
PCB-49/69	pg/L								DNQ Est. Conc. 10 (1)		
PCB-52	pg/L								DNQ Est. Conc. 30 (1)		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 24 (1)		
PCB-66	pg/L								DNQ Est. Conc. 9.6		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 22		
PCB-90/101/113	pg/L								DNQ Est. Conc. 18 (1)		
PCB-99	pg/L								DNQ Est. Conc. 7.8		
Pentachlorophenol	ug/L		ND			ND	ND		ND		
Phenanthrene	ug/L		ND			ND	ND		ND		

JWPCP
2017 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Performance Goal	Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Monthly Average				
Heptachlor	ug/L	ND		ND	ND	ND			0.005	EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L	ND		ND	ND	ND		0.035(5)/0.032(6)		EPA 625	1	0.11 - 0.18	1.0 - 4.0
Hexachlorobutadiene	ug/L	ND		ND	ND	ND			0.7	EPA 625	1	0.14 - 0.33	1.0 - 4.0
Hexachlorocyclopentadiene	ug/L	ND		ND	ND	ND			7.5	EPA 625	5	0.52 - 0.75	5.0 - 20.0
Hexachloroethane	ug/L	ND		ND	ND	ND			0.7	EPA 625	1	0.14	1.0 - 4.0
Indeno (1,2,3-cd) pyrene	ug/L	ND		ND	ND	ND				EPA 610	10	0.004	0.020 - 0.10
Isophorone	ug/L	ND		ND	ND	ND			0.65	EPA 625	1	0.13 - 0.25	1.0 - 4.0
Lead	ug/L	DNQ Est. Conc. 0.08		DNQ Est. Conc. 0.07	ND	DNQ Est. Conc. 0.19			0.4	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	DNQ Est. Conc. 0.01		DNQ Est. Conc. 0.01	0.0022	0.0041			0.04	EPA 1631E & EPA 245.1		0.00031 - 0.004	0.00050 - 0.08
Methyl-tert-butyl-ether	ug/L	3.6		DNQ Est. Conc. 0.37	2.2	3.7				EPA 624		0.08 - 0.21	0.50
n-Nitrosodi-n-propylamine	ug/L	ND		ND	ND	ND			0.6	EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.19	0.010 - 20.0
n-Nitrosodimethylamine (NDMA)	ug/L	ND		ND	ND	ND			0.7	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.32	0.010 - 20.0
n-Nitrosodiphenylamine	ug/L	ND		ND	ND	ND			0.75	EPA 625	1	0.15 - 0.23	1.0 - 4.0
Naphthalene	ug/L	ND		ND	ND	ND				EPA 625	1	0.15 - 0.18	1.0 - 4.0
Nickel	ug/L	5.95		4.97	6.96	8.63			13	EPA 200.8	1	0.12	1.00
Nitrate as Nitrogen	mg/L	DNQ Est. Conc. 0.04		ND	ND	DNQ Est. Conc. 0.04				SM 4500 NO3 E		0.0100	0.100
Nitrite as Nitrogen	mg/L	NR		0.05	0.09	0.13				SM 4500 NO2 B		0.00040 - 0.00050	0.0125 - 0.0250
Nitrobenzene	ug/L	ND		ND	ND	ND			2.2	EPA 625	1	0.13 - 0.22	1.0 - 4.0
OctaCDD	pg/L	170 (1)		ND (1)	42	170 (1)				EPA 1613B		0.18 - 0.42	100 - 110
OctaCDF	pg/L	ND (1)		ND (1)	ND	ND (1)(2)				EPA 1613B		0.23 - 0.52	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	45	15		EPA 1664A		1.2	4.0 - 4.6
Organic nitrogen	mg/L	2.70		1.76	3.17	5.14				SM 4500 NH3 C			1.00
Oxychlordane	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
PCB-105	pg/L			DNQ Est. Conc. 7.6	ND	DNQ Est. Conc. 7.6				EPA 1668		1.3	21
PCB-110/115	pg/L			DNQ Est. Conc. 21 (1)	ND	DNQ Est. Conc. 21 (1)				EPA 1668		1.3	410
PCB-114	pg/L			ND	ND	ND				EPA 1668		1.3	21
PCB-118	pg/L			DNQ Est. Conc. 17 (1)	ND	DNQ Est. Conc. 17 (1)				EPA 1668		1.3	21
PCB-123	pg/L			ND	ND	ND				EPA 1668		1.3	21
PCB-126	pg/L			ND	ND	ND				EPA 1668		1.4	21
PCB-128/166	pg/L			ND	ND	ND				EPA 1668		2.5	410
PCB-129/138/163	pg/L			ND (1)	ND (1)	ND (1)				EPA 1668		2.6	620
PCB-135/151	pg/L			ND	ND	ND				EPA 1668		5.3	410
PCB-147/149	pg/L			ND (1)	ND (1)	ND (1)				EPA 1668		2.7	410
PCB-153/168	pg/L			ND (1)	ND (1)	ND (1)				EPA 1668		2.3	410
PCB-156/157	pg/L			DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 1.9				EPA 1668		0.87	41
PCB-158	pg/L			ND	ND	ND				EPA 1668		2.1	210
PCB-167	pg/L			ND	ND	ND				EPA 1668		0.64	21
PCB-169	pg/L			ND	ND	ND				EPA 1668		0.56	21
PCB-170	pg/L			ND (1)	ND (1)	ND (1)				EPA 1668		0.56	210
PCB-177	pg/L			ND (1)	ND (1)	ND (1)				EPA 1668		0.57	210
PCB-18/30	pg/L			DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22				EPA 1668		2.9	410
PCB-180/193	pg/L			ND (1)	ND (1)	ND (1)				EPA 1668		0.46	410
PCB-183	pg/L			ND	ND	ND				EPA 1668		0.44	210
PCB-187	pg/L			ND (1)	ND (1)	ND (1)				EPA 1668		1.7	210
PCB-189	pg/L			ND	ND	ND				EPA 1668		0.78	21
PCB-194	pg/L			DNQ Est. Conc. 1.8 (1)	ND	DNQ Est. Conc. 1.8 (1)				EPA 1668		0.97	210
PCB-20/28	pg/L			DNQ Est. Conc. 34	ND	DNQ Est. Conc. 34				EPA 1668		3.0	410
PCB-201	pg/L			ND	ND	ND				EPA 1668		0.62	210
PCB-206	pg/L			ND	ND	ND				EPA 1668		1.4	210
PCB-37	pg/L			DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 6.1				EPA 1668		2.8	210
PCB-44/47/65	pg/L			DNQ Est. Conc. 22 (1)	ND	DNQ Est. Conc. 22 (1)				EPA 1668		0.76	620
PCB-49/69	pg/L			DNQ Est. Conc. 10 (1)	ND	DNQ Est. Conc. 10 (1)				EPA 1668		0.67	410
PCB-52	pg/L			DNQ Est. Conc. 30 (1)	ND	DNQ Est. Conc. 30 (1)				EPA 1668		0.81	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 24 (1)	ND	DNQ Est. Conc. 24 (1)				EPA 1668		1.3	820
PCB-66	pg/L			DNQ Est. Conc. 9.6	ND	DNQ Est. Conc. 9.6				EPA 1668		1.3	210
PCB-77	pg/L			ND	ND	ND				EPA 1668		1.3	21
PCB-81	pg/L			ND	ND	ND				EPA 1668		1.3	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22				EPA 1668		1.4	1200
PCB-90/101/113	pg/L			DNQ Est. Conc. 18 (1)	ND	DNQ Est. Conc. 18 (1)				EPA 1668		1.5	620
PCB-99	pg/L			DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8				EPA 1668		1.3	210
Pentachlorophenol	ug/L	ND		ND	ND	ND				EPA 625	5	0.38 - 0.64	1.0 - 4.0
Phenanthrene	ug/L	ND		ND	ND	ND				EPA 625	5	0.11 - 0.19	5.0 - 20.0

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Phenol	ug/L		DNQ Est. Conc. 0.69			DNQ Est. Conc. 0.98	DNQ Est. Conc. 0.26		ND		
pH	SU	7.2	7.2	7.2	7.3	7.2	7.2	7.1	7.0	7.1	7.1
Pyrene	ug/L		ND			ND	ND		ND		
Selenium	ug/L	4.17	4.48	4.60	3.75	3.41	3.16	3.22	3.74	4.06	4.08
Settleable Solids	ml/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.01	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.04
TCDD equivalents	pg/L		ND			ND			ND		
Temperature	Degrees F	76.1	76.2	78.3	80.3	81.7	83.2	85.6	86.5	86.4	84.9
Tetrachloroethylene	ug/L		0.70			ND			ND		
Thallium	ug/L		ND			ND			ND		
Toluene	ug/L		0.50			DNQ Est. Conc. 0.19			DNQ Est. Conc. 0.21		
Total Chlordanes	ug/L		ND			ND			ND		
Total DDT	ug/L		ND			ND			ND		
Total Dichlorobenzene	ug/L		ND			ND			ND		
Total Endosulfan	ug/L		ND			ND			ND		
Total Halomethanes	ug/L		ND			ND			ND		
Total HCH	ug/L		ND			ND			ND		
Total Organic Carbon	mg/L	15.3	12.5	12.7	13.8	13.2	11.1	11.3	13.7	10.9	11.9
Total PAH	ug/L		ND			ND	ND		ND		
Total PCBs as Aroclors	ug/L		ND			ND			ND		
Total Phenolic Compounds (chlorinated)	ug/L		ND			ND	ND		ND		
Total Phenolic Compounds (non-chlorinated)	ug/L		ND			ND	ND		ND		
Total Phosphorus as P	mg/L		0.59			0.64			0.75		
Total Suspended Solids	mg/L	14	20	12	11	11	9.6	7.7	11	9.3	7.8
Toxaphene	ug/L		ND			ND			ND		
trans-Nonachlor	ug/L		ND			ND			ND		
Tributyltin (TBT)	ng/L		ND			ND			ND		
Trichloroethylene	ug/L		ND			ND			ND		
Turbidity (24Hour composite sample)	NTU	5.7	7.2	4.4	3.6	3.3	3.1	2.7	3.8	3.4	2.9
Turbidity (Grab sample)	NTU										
Vinyl Chloride	ug/L		ND			ND			ND		
Zinc	ug/L	8.50	22.0	9.52	8.49	9.49	10.8	9.40	10.4	10.8	11.2

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2017 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Performance Goal	Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Monthly Average				
Phenol	ug/L	DNQ Est. Conc. 0.61		ND	ND	DNQ Est. Conc. 0.98				EPA 625	1	0.10 - 0.14	1.0 - 4.0
pH	SU	7.1	7.1	7.0	7.2	7.3				SM 4500 H+ B		1.00	4.00
Pyrene	ug/L	ND		ND	ND	ND				EPA 625	10	0.19 - 0.27	10.0 - 40.0
Selenium	ug/L	3.28		3.16	3.81	4.60			7.6(5)/11(4)	EPA 200.8	2	0.04 - 0.10	1.00
Settleable Solids	ml/L	ND	ND	ND	ND	ND	1.5	0.5		SM 2540F		0	0.1
Silver	ug/L	DNQ Est. Conc. 0.02		DNQ Est. Conc. 0.01	ND	DNQ Est. Conc. 0.16			0.2	EPA 200.8	0.25	0.01 - 0.02	0.20
TCDD equivalents	pg/L	0.17		ND	0.042	0.17		0.65(5)/0.59(6)		EPA 1613B			
Temperature	Degrees F	83.0	80.0	76.1	81.8	86.5	100			EPA 170.1 (oF)			
Tetrachloroethylene	ug/L	ND		ND	0.18	0.70			20	EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L	ND		ND	ND	ND			0.6	EPA 200.8	1	0.015	0.25
Toluene	ug/L	DNQ Est. Conc. 0.21		DNQ Est. Conc. 0.19	0.12	0.50			0.5	EPA 624	2	0.06 - 0.19	0.50
Total Chlordanes	ug/L	ND		ND	ND	ND		0.0038(5)/0.003(6)		EPA 608			
Total DDT	ug/L	ND		ND	ND	ND		0.028(5)/0.0158(4)	0.015(5)/--(4)	EPA 608			
Total Dichlorobenzene	ug/L	ND		ND	ND	ND			0.5	EPA 624			
Total Endosulfan	ug/L	ND		ND	ND	ND			0.015	EPA 608			
Total Halomethanes	ug/L	ND		ND	ND	ND			1	EPA 624			
Total HCH	ug/L	ND		ND	ND	ND			0.015	EPA 608			
Total Organic Carbon	mg/L	12.5	14.0	10.9	12.7	15.3				SM 5310C		0.05	2.50 - 5.00
Total PAH	ug/L	ND		ND	ND	ND			0.95	EPA 625			
Total PCBs as Aroclors	ug/L	ND		ND	ND	ND		0.0032(5)/0.00035(4)		EPA 608			
Total Phenolic Compounds (chlorinated)	ug/L	ND		ND	ND	ND			1.9	EPA 625			
Total Phenolic Compounds (non-chlorinated)	ug/L	ND		ND	ND	ND			3.6	EPA 625			
Total Phosphorus as P	mg/L	0.61		0.59	0.65	0.75				SM4500P-E		0.00300	0.250
Total Suspended Solids	mg/L	10	9.8	7.7	11	20		30		SM 2540D		2.5	4.2 - 12.2
Toxaphene	ug/L	ND		ND	ND	ND		0.035(5)/0.032(6)		EPA 608	0.5	0.04 - 0.08	0.5
trans-Nonachlor	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
Tributyltin (TBT)	ng/L	ND		ND	ND	ND			10	Tributyltin by GC/FPD		1.4 - 1.5	3.0 - 3.4
Trichloroethylene	ug/L	ND		ND	ND	ND			0.85	EPA 624	2	0.13 - 0.28	0.50
Turbidity (24Hour composite sample)	NTU	3.6	3.5	2.7	3.9	7.2		75		SM 2130B		0.0090	0.10 - 0.20
Turbidity (Grab sample)	NTU	2.6	2.9	2.6	2.8	2.9				SM 2130B		0.0090	0.10 - 0.20
Vinyl Chloride	ug/L	ND		ND	ND	ND			1.3	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	18.3		8.49	11.7	22.0			37(5)/17(4)	EPA 200.8	1	0.60 - 0.66	1.00 - 5.00

(1) Blank Contaminatin was observed. Data acceptability critieria are based on EPA Guideline 821-R-07-002(PCB Congeners) and USEPA Region 11 Data validation SOP for EPA Meithod 1613(TCDD Congeners)
(2) Possible interference observed. The measured ratio did not neet qualitative criteria for analysis and results are condidered to be an estimated maximum possible concentration
(3) Permit limit or Performance Goal in Order No. R4-2011-0151 in effect until October 31, 2017.
(4) Permit limit or Performance Goal in Order No. R4-2017-0180 in effect starting November 1, 2017.
(5) Permit limit in Order Nos. R4-2011-0151 and R4-2017-0180 for Discharge points 001 and 002 (120" and 90" Outfalls, respectively)
(6) Permit limit in Order Nos. R4-2011-0151 and R4-2017-0180 for Discharge point 003 (72" Outfall).

JWPCP Biosolids Monitoring

Sewage Sludge (Biosolids) Annual Report

EPA Regulations – 503.18, 503.28, 503.48

INSTRUCTIONS

EPA's sewage sludge regulations (40 CFR part 503) require certain POTWs and Class I sewage sludge management facilities to submit to an annual biosolids report. POTWs that must submit an annual report include POTWs with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve 10,000 people or more. This is the biosolids annual report form for POTWs and Class I sewage sludge management facilities in the 42 states and all tribes and territories where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge' also refers to the material that is commonly referred to as 'biosolids.' EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Please note that questions with a (*) are required. Please also note that EPA may contact you after you submit this report for more information regarding your sewage sludge program.

Questions regarding this form should be directed to the NPDES Electronic Reporting Helpdesk at:

- NPDESeReporting@epa.gov OR
- 1-877-227-8965

What action would you like to take? *

New Biosolids Program Report

1. Program Information

Please select the NPDES ID number below for this Sewage Sludge (Biosolids) Annual Report. *

CAL053813: LACSD - JWPCP

IMPORTANT - If you do not see the NPDES ID associated with your facility (i.e., you only see a blue bar in the above drop down list), you MUST follow the instructions in the "Biosolids User's Guide." A shorter set of instructions to fix this issue are in the "Important Instructions on Accessing Your NPDES ID" document. Both documents are located at: https://epanet.zendesk.com/hc/en-us/sections/207108787-General-Biosolids.

Facility Name: LACSD - JWPCP

Street: P.O. Box 4998

City: WHITTIER

State: CA

Zip Code: 90607-4998

1.1 Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR 503. The facility is: *

- ☒ a POTW with a design flow rate equal to or greater than one million gallons per day
- ☒ a POTW that serves 10,000 people or more
- ☒ a Class I Sludge Management Facility as defined in 40 CFR 503.9
- ☐ otherwise required to report (e.g., permit condition, enforcement action)
- ☐ none of the above

1.2 Reporting Period Start and End Dates

Start Date of Reporting Period *	End Date of Reporting Period *
01-01-2017	12-31-2017

2. Facility Information

2.1 Biosolids or Sewage Sludge Treatment Processes

Please check the box next to the following biosolids or sewage sludge treatment processes that you used on the sewage sludge or biosolids generated or produced at your facility during the reporting period (check one or more that apply). *

Pathogen Reduction Operations (see Appendix B to Part 503)

Processes to Significantly Reduce Pathogens (PSRP)

- ☐ Aerobic Digestion
- ☐ Air Drying (or "sludge drying beds")
- ☒ Anaerobic Digestion
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization

Processes to Further Reduce Pathogens (PFRP)

- ☐ Higher Temperature Composting
- ☐ Heat Drying (e.g., flash dryer, spray dryer, rotary dryer)
- ☐ Heat Treatment (Liquid sewage sludge is heated to temp. of 356°F (or 180°C) or higher for 30 min.)
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization

Physical Treatment Operations

- ☒ Preliminary Operations (e.g., sludge grinding, degritting, blending)
- ☒ Thickening (e.g., gravity and/or flotation thickening, centrifugation, belt filter press, vacuum filter)
- ☐ Sludge Lagoon

Other Processes to Manage Sewage Sludge

- ☐ Temporary Sludge Storage (sewage sludge stored on land 2 years or less, not in sewage sludge unit)
- ☐ Long-term Sludge Storage (sewage sludge stored on land 2 years or more, not in sewage sludge unit)
- ☒ Methane or Biogas Capture and Recovery
- ☐ Other Treatment Process:

2.2 Biosolids or Sewage Sludge Analytical Methods

EPA regulations specify that representative samples of sewage sludge that is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator must be collected and analyzed. These regulations also specify the analytical methods that must be used to analyze samples of sewage sludge. For example, EPA requires facilities to monitor for the certain parameters, which are listed in Tables 1, 2, 3, and 4 at 40 CFR 503.13 and Tables 1 and 2 40 CFR 503.23. See also 40 CFR 503.8.

Please check the box next to the following analytic methods used on the sewage sludge or biosolids generated or produced by you or your facility during the reporting period (check one or more that apply). *

Parameter	Method Number or Author	Description Text for Certification Section
Pathogens		
Ascaris ova.	☐ Sludge Monitoring - Ascaris ova. ☐ Other Ascaris ova. Analytical Method:	Sludge Monitoring - Ascaris ova., "Test Method for Detecting, Enumerating, and Determining the Viability Ascaris in Sludge (Appendix I)," Control of Pathogens and Vector Attraction in Sewage Sludge", EPA-625-R-92-013, July 2003

Parameter	Method Number or Author	Description Text for Certification Section
Enteric viruses	☐ ASTM Method D4994 - Enteric Viruses	ASTM Method D4994 - Enteric Viruses, "Standard Practice for Recovery of Viruses From Wastewater Sludges," ASTM International
	☐ Other Enteric Viruses Analytical Method:	
Fecal coliform	☐ Standard Method 9222 - Fecal Coliform	Standard Method 9222 - Fecal Coliform, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association [Note: This method is only allowable for Class B sewage sludge]
	☒ Standard Method 9221 - Fecal Coliform	Standard Method 9221 - Fecal Coliform, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ EPA Method 1680 - Fecal Coliform	EPA Method 1680 - Fecal Coliform, "Fecal Coliforms in Sewage Sludge by Multiple-Tube Fermentation using Lauryl Tryptose Broth and EC Medium," EPA-821-R-10-003, April 2010
	☐ EPA Method 1681 - Fecal Coliform	EPA Method 1681 - Fecal Coliform, Fecal Coliforms in Sewage Sludge (Biosolids) by MultipleTube Fermentation using A-1 medium, EPA-821-R-04-027, June 2005
	☐ Other Fecal Coliform Analytical Method:	
Helminth ova.	☐ W.A. Yanko Method - Helminth ova.	W.A. Yanko Method - Helminth Ova., "Occurrence of Pathogens in Distribution and Marketing Municipal Sludges," EPA-600-1-87-014, 1987
	☐ Other Helminth ova. Analytical Method:	
Salmonella sp. Bacteria	☐ Standard Method 9260 - Salmonella	Standard Method 9260 - Salmonella, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ EPA Method 1682 - Salmonella	EPA Method 1682, "Salmonella in Sewage Sludge (Biosolids) by Modified Semisolid Rappaport-Vassiliadis (MSRV) Medium," EPA-821-R-06-014, July 2006
	☐ Kenner and Clark Method - Salmonella	Kenner and Clark Method - Salmonella, “Detection and Enumeration of Salmonella and Pseudomonas aeruginosa,” J. Water Pollution Control Federation, 46(9):2163-2171, 1974
	☐ Other Salmonella sp. Bacteria Analytical Method:	
Total Culturable Viruses	☐ Class A Sludge Monitoring - Total Culturable Viruses	EPA Class A Sludge Monitoring - Total Culturable Viruses, "Method for the Recovery and Assay of Total Culturable Viruses from Sludge (Appendix H)," Control of Pathogens and Vector Attraction in Sewage Sludge, EPA-625-R-92-013, July 2003
	☐ Other Total Culturable Viruses Analytical Method:	
Metals		
Arsenic	☐ EPA Method 6010 - Arsenic (ICP-OES)	EPA Method 6010 - Arsenic (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Arsenic (ICP-MS)	EPA Method 6020 - Arsenic (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Arsenic (GF-AAS)	EPA Method 7010 - Arsenic (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7061 - Arsenic (AA-GH)	EPA Method 7061 - Arsenic (Atomic Absorption - Gaseous Hydride), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Arsenic Analytical Method:	
Beryllium	☐ EPA Method 6010 - Beryllium (ICP-OES)	EPA Method 6010 - Beryllium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Beryllium (ICP-MS)	EPA Method 6020 - Beryllium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Beryllium (FAAS)	EPA Method 7000 - Beryllium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Beryllium (GF-AAS)	EPA Method 7010 - Beryllium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Beryllium Analytical Method	

Parameter	Method Number or Author	Description Text for Certification Section
Cadmium	☐ EPA Method 6010 - Cadmium (ICP-OES)	EPA Method 6010 - Cadmium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Cadmium (ICP-MS)	EPA Method 6020 - Cadmium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Cadmium (FAAS)	EPA Method 7000 - Cadmium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Cadmium (GF-AAS)	EPA Method 7010 - Cadmium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7131 - Cadmium (GF-AAS)	EPA Method 7131 - Cadmium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Cadmium Analytical Method:	
Chromium	☐ EPA Method 6010 - Chromium (ICP-OES)	EPA Method 6010 - Chromium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Chromium (ICP-MS)	EPA Method 6020 - Chromium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Chromium (FAAS)	EPA Method 7000 - Chromium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Chromium (GF-AAS)	EPA Method 7010 - Chromium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7191 - Chromium (AA-FT)	EPA Method 7191 - Chromium (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Chromium Analytical Method:	
Copper	☐ EPA Method 6010 - Copper (ICP-OES)	EPA Method 6010 - Copper (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Copper (ICP-MS)	EPA Method 6020 - Copper (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Copper (FAAS)	EPA Method 7000 - Copper (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Copper (GF-AAS)	EPA Method 7010 - Copper (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Copper Analytical Method:	
Lead	☐ EPA Method 6010 - Lead (ICP-OES)	EPA Method 6010 - Lead (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Lead (ICP-MS)	EPA Method 6020 - Lead (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Lead (FAAS)	EPA Method 7000 - Lead (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Lead (GF-AAS)	EPA Method 7010 - Lead (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7421 - Lead (AA-FT)	EPA Method 7421 - Lead (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Lead Analytical Method:	
Mercury	☒ EPA Method 7471 - Mercury (CVAA)	EPA Method 7471 - Mercury in Solid or Semi-Solid Waste (Cold Vapor Atomic Absoprtion), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Mercury Analytical Method:	

Parameter	Method Number or Author	Description Text for Certification Section
Molybdenum	☐ EPA Method 6010 - Molybdenum (ICP-OES)	EPA Method 6010 - Molybdenum (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Molybdenum (ICP-MS)	EPA Method 6020 - Molybdenum (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Molybdenum (FAAS)	EPA Method 7000 - Molybdenum (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Molybdenum (GF-AAS)	EPA Method 7010 - Molybdenum (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7481 - Molybdenum (AA-FT)	EPA Method 7481 - Molybdenum (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Molybdenum Analytical Method:	
Nickel	☐ EPA Method 6010 - Nickel (ICP-OES)	EPA Method 6010 - Nickel (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Nickel (ICP-MS)	EPA Method 6020 - Nickel (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Nickel (FAAS)	EPA Method 7000 - Nickel (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Nickel (GF-AAS)	EPA Method 7010 - Nickel (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Nickel Analytical Method:	
Selenium	☐ EPA Method 6010 - Selenium (ICP-OES)	EPA Method 6010 - Selenium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Selenium (ICP-MS)	EPA Method 6020 - Selenium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Selenium (GF-AAS)	EPA Method 7010 - Selenium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7740 - Selenium (AA-FT)	EPA Method 7741A - Selenium (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7741 - Selenium (AA-GH)	EPA Method 7741 - Selenium (Atomic Absorption - Gaseous Hydride), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Selenium Analytical Method:	
Zinc	☐ EPA Method 6010 - Zinc (ICP-OES)	EPA Method 6010 - Zinc (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Zinc (ICP-MS)	EPA Method 6020 - Zinc (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Zinc (FAAS)	EPA Method 7000 - Zinc (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Zinc (GF-AAS)	EPA Method 7010 - Zinc (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Zinc Analytical Method:	

Nitrogen Compounds

Ammonia Nitrogen	☐ EPA Method 350.1 - Ammonia Nitrogen	EPA Method 350.1 - Ammonia Nitrogen, "Determination of Ammonia Nitrogen by Semi-Automated Colorimetry," August 1993
	☒ Standard Method 4500-NH3 - Ammonia Nitrogen	Standard Method 4500-NH3 - Ammonia Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Ammonia Nitrogen Analytical Method	

Parameter	Method Number or Author	Description Text for Certification Section
Nitrate Nitrogen	☐ EPA Method 9056 - Nitrate Nitrogen (IC)	EPA Method 9056 - Nitrate Nitrogen (Ion Chromatography), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 9210 - Nitrate Nitrogen (ISE)	EPA Method 9210 - Nitrate Nitrogen (Ion-Selective Electrode), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ Other Nitrate Nitrogen Analytical Method:	SM 4500 NO3
Nitrogen	☐ Standard Method 4500-N - Nitrogen	Standard Method 4500-N - Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☒ Other Nitrogen Analytical Method:	Total Nitrogen Calculation
Organic Nitrogen	☒ Standard Method 4500-Norg - Organic Nitrogen	Standard Method 4500-Norg - Organic Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Organic Nitrogen Analytical Method:	
Total Kjeldahl Nitrogen	☐ EPA Method 351.2 - Total Kjeldahl Nitrogen	EPA Method 351.2 - Total Kjeldahl Nitrogen, "Determination of Total Kjeldahl Nitrogen by Semi-Automated Colorimetry," August 1993
	☒ Other Total Kjeldahl Nitrogen Analytical Method:	SM 4500 NH3

Other Analytes

Fixed Solids	☐ Standard Method 2540 - Fixed Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Fixed Solids Analytical Method:	
Paint Filter Test	☒ EPA Method 9095 - Paint Filter Liquids Test	EPA Method 9095 - Paint Filter Liquids Test, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Paint Filter Test Analytical Method:	
pH	☐ EPA Method 9040 - pH (≤ 7% solids)	EPA Method 9040 - pH (≤ 7% solids), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 9045 - pH (> 7% solids)	EPA Method 9045 - pH (> 7% solids), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other pH Analytical Method:	

Parameter	Method Number or Author	Description Text for Certification Section
Specific Oxygen Uptake Rate	☐ Standard Method 2710 - SOUR	Standard Method 2710 - Specific Oxygen Uptake Rate, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Specific Oxygen Uptake Rate Analytical Method:	
TCLP	☐ EPA Method 1311 - Toxicity Characteristic Leaching Procedure	EPA Method 1311 - Toxicity Characteristic Leaching Procedure, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other TCLP Analytical Method:	
Temperature	☐ Standard Method 2550 - Temperature	Standard Method 2550 - Temperature, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Temperature Analytical Method:	
Total Solids	☒ Standard Method 2540 - Total Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Total Solids Analytical Method:	
Volatile Solids	☒ Standard Method 2540 - Volatile Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Volatile Solids Analytical Method:	
No Analytical Methods	☐ No Analytical Methods Used	

2.3 What is the estimated total volume of biosolids or sewage sludge produced at your facility for the reporting period (in dry metric tons)? *

112269

3. Biosolids or Sewage Sludge Management

EPA NPDES regulations at 40 CFR 503 only require reporting for land application, surface disposal, or incineration. You have the option to select "Other Management Practice" if you wish to provide more information on how you manage your sewage sludge or biosolids.

Please use the selections below to identify how sewage sludge or biosolids generated or produced at your facility was managed, used, or disposed by you or your facility for the reporting period. You can use the button below to add as many Sewage Sludge Unique Identifier (SSUID) sections as needed to describe how you manage your sewage sludge.

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 001

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Land Application	Off-Site Third-Party Handler or Applier	Agricultural Land Applicaton

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. “Off-Site Third-Party Handler or Applier” refers to third parties which do not change the quality of the Biosolids. “Off-Site Third-Party Preparer” refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	13504

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *
Denali Water Solutions, LLC.

Address *
2011 West Key Street

City *
Colton

State *
California

Zip Code *
92324

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *
Chris

Last Name *
Marks

Title *
Area Environmental Manager, West

Phone (10-digits, No dashes) *
7608013175

Ext.

E-Mail Address
chris.marks@denaliwater.com

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

	Code	Pathogen Reduction Option Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐	B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐	B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐	B22	Class B-Alternative 2 PSRP 2: Air Drying
☒	B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐	B24	Class B-Alternative 2 PSRP 4: Composting
☐	B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐	B3	Class B-Alternative 3: PSRP Equivalency
☐	pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

- [x] VR1 Option 1-Volatile Solids Reduction
- [ ] VR2 Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
- [ ] VR3 Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
- [ ] VR4 Option 4-Specific Oxygen Uptake Rate
- [ ] VR5 Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
- [ ] VR6 Option 6-Alkaline Treatment
- [ ] VR7 Option 7-Drying (Equal to or Greater than 75 Percent)
- [ ] VR8 Option 8-Drying (Equal to or Greater than 90 Percent)
- [ ] VR9 Option 9-Sewage Sludge Injection
- [ ] VR10 Option 10-Sewage Sludge Timely Incorporation into Land
- [ ] VR11 Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

- [ ] Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).
- [ ] Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).
- [ ] Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).
- [ ] Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).
- [ ] Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 002

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Other Management Practice	Off-Site Third-Party Handler or Applier	Other

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. "Off-Site Third-Party Handler or Applier" refers to third parties which do not change the quality of the Biosolids. "Off-Site Third-Party Preparer" refers to a third party which changes the quality of the Biosolids.

Other Management Practice Detail Description: *

Disposal in an Industrial Landfill

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	11171

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *

H.M. Holloway Landfill

Address *

13850 Holloway Road

City * | State * | Zip Code *

Lost HIlls | California | 93249

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name * | Last Name * | Title *

Chad | Wright | Mine Superintendent

Phone (10-digits, No dashes) * | Ext. | E-Mail Address

6617972320 | | cwright@hmhgypsum.com

Do you have any deficiencies to report for this SSUID? *

◯ Yes ◉ No ◯ Unknown

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 003

Management Practice Type * | Handler, Preparer, or Applier Type * | Management Practice Detail *

Land Application | Off-Site Third-Party Preparer | Distribution and Marketing - Compost

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. “Off-Site Third-Party Handler or Applier” refers to third parties which do not change the quality of the Biosolids. “Off-Site Third-Party Preparer” refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container * | Pathogen Class * | Volume Amount (dry metric tons) *

Bulk | Class B | 24024

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *

Nursery Products Hawes Composting Facility

Address *

P.O. Box 1439

City *

Helendale

State *

California

Zip Code *

92342

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *

Fred

Last Name *

Brutsche

Title *

Area Plant Director

Phone (10-digits, No dashes) *

6617706861

Ext.

E-Mail Address

fbrutsche@synagro.com

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

	Code	Pathogen Reduction Option
		Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐	B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐	B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐	B22	Class B-Alternative 2 PSRP 2: Air Drying
☒	B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐	B24	Class B-Alternative 2 PSRP 4: Composting
☐	B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐	B3	Class B-Alternative 3: PSRP Equivalency
☐	pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

- [x] VR1 Option 1-Volatile Solids Reduction
- [ ] VR2 Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
- [ ] VR3 Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
- [ ] VR4 Option 4-Specific Oxygen Uptake Rate
- [ ] VR5 Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
- [ ] VR6 Option 6-Alkaline Treatment
- [ ] VR7 Option 7-Drying (Equal to or Greater than 75 Percent)
- [ ] VR8 Option 8-Drying (Equal to or Greater than 90 Percent)
- [ ] VR9 Option 9-Sewage Sludge Injection
- [ ] VR10 Option 10-Sewage Sludge Timely Incorporation into Land
- [ ] VR11 Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

- [ ] Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).
- [ ] Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).
- [ ] Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).
- [ ] Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).
- [ ] Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 004

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Land Application	Off-Site Third-Party Preparer	Distribution and Marketing - Compost

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. "Off-Site Third-Party Handler or Applier" refers to third parties which do not change the quality of the Biosolids. "Off-Site Third-Party Preparer" refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	7344

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *
Tulare Lake Compost Facility

Address *
34318 23rd Ave

City *
Kettleman City

State *
California

Zip Code *
93239

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *
RIchard

Last Name *
Kish

Title *
Compost Facility Superintendent

Phone (10-digits, No dashes) *
5597657072

Ext.

E-Mail Address
richardkish@lacsd.org

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Code	Pathogen Reduction Option Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐ B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐ B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐ B22	Class B-Alternative 2 PSRP 2: Air Drying
☒ B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐ B24	Class B-Alternative 2 PSRP 4: Composting
☐ B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐ B3	Class B-Alternative 3: PSRP Equivalency
☐ pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

- [x] VR1 Option 1-Volatile Solids Reduction
- [ ] VR2 Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
- [ ] VR3 Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
- [ ] VR4 Option 4-Specific Oxygen Uptake Rate
- [ ] VR5 Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
- [ ] VR6 Option 6-Alkaline Treatment
- [ ] VR7 Option 7-Drying (Equal to or Greater than 75 Percent)
- [ ] VR8 Option 8-Drying (Equal to or Greater than 90 Percent)
- [ ] VR9 Option 9-Sewage Sludge Injection
- [ ] VR10 Option 10-Sewage Sludge Timely Incorporation into Land
- [ ] VR11 Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

- [ ] Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).
- [ ] Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).
- [ ] Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).
- [ ] Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).
- [ ] Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 005

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Land Application	Off-Site Third-Party Preparer	Distribution and Marketing - Compost

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. "Off-Site Third-Party Handler or Applier" refers to third parties which do not change the quality of the Biosolids. "Off-Site Third-Party Preparer" refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	26439

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *
Liberty Composting

Address *
P.O. Box 5

City *
Lost Hills

State *
California

Zip Code *
93249

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *
Patrick

Last Name *
McCarthy

Title *
General Manager

Phone (10-digits, No dashes) *
6617972914

Ext.

E-Mail Address
patrickmccarthy@libertyrecyc.com

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

	Code	Pathogen Reduction Option
		Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐	B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐	B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐	B22	Class B-Alternative 2 PSRP 2: Air Drying
☒	B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐	B24	Class B-Alternative 2 PSRP 4: Composting
☐	B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐	B3	Class B-Alternative 3: PSRP Equivalency
☐	pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

- [x] VR1 Option 1-Volatile Solids Reduction
- [ ] VR2 Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
- [ ] VR3 Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
- [ ] VR4 Option 4-Specific Oxygen Uptake Rate
- [ ] VR5 Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
- [ ] VR6 Option 6-Alkaline Treatment
- [ ] VR7 Option 7-Drying (Equal to or Greater than 75 Percent)
- [ ] VR8 Option 8-Drying (Equal to or Greater than 90 Percent)
- [ ] VR9 Option 9-Sewage Sludge Injection
- [ ] VR10 Option 10-Sewage Sludge Timely Incorporation into Land
- [ ] VR11 Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

- [ ] Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).
- [ ] Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).
- [ ] Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).
- [ ] Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).
- [ ] Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 006

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Land Application	Off-Site Third-Party Preparer	Distribution and Marketing - Compost

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. "Off-Site Third-Party Handler or Applier" refers to third parties which do not change the quality of the Biosolids. "Off-Site Third-Party Preparer" refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	13422

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *

Synagro South Kern Compost Manufacturing

Address *

P.O. Box 265

City *

Taft

State *

California

Zip Code *

93268

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *

Fred

Last Name *

Brutsche

Title *

Area Plant Director

Phone (10-digits, No dashes) *

6617706861

Ext.

E-Mail Address

fbrutsche@synagro.com

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

	Code	Pathogen Reduction Option
		Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐	B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐	B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐	B22	Class B-Alternative 2 PSRP 2: Air Drying
☒	B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐	B24	Class B-Alternative 2 PSRP 4: Composting
☐	B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐	B3	Class B-Alternative 3: PSRP Equivalency
☐	pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

- [x] VR1 Option 1-Volatile Solids Reduction
- [ ] VR2 Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
- [ ] VR3 Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
- [ ] VR4 Option 4-Specific Oxygen Uptake Rate
- [ ] VR5 Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
- [ ] VR6 Option 6-Alkaline Treatment
- [ ] VR7 Option 7-Drying (Equal to or Greater than 75 Percent)
- [ ] VR8 Option 8-Drying (Equal to or Greater than 90 Percent)
- [ ] VR9 Option 9-Sewage Sludge Injection
- [ ] VR10 Option 10-Sewage Sludge Timely Incorporation into Land
- [ ] VR11 Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

- [ ] Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).
- [ ] Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).
- [ ] Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).
- [ ] Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).
- [ ] Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 007

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Land Application	Off-Site Third-Party Preparer	Distribution and Marketing - Compost

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. "Off-Site Third-Party Handler or Applier" refers to third parties which do not change the quality of the Biosolids. "Off-Site Third-Party Preparer" refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	16347

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *

Inland Empire Regional Composting Facility

Address *

P.O. Box 2470

City *

Chino Hills

State *

California

Zip Code *

91709

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *

Jeff

Last Name *

Ziegenbein

Title *

Manager of Regional Composting Operation

Phone (10-digits, No dashes) *

9099931981

Ext.

E-Mail Address

jziegenb@ieua.com

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

	Code	Pathogen Reduction Option
		Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐	B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐	B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐	B22	Class B-Alternative 2 PSRP 2: Air Drying
☒	B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐	B24	Class B-Alternative 2 PSRP 4: Composting
☐	B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐	B3	Class B-Alternative 3: PSRP Equivalency
☐	pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

- [x] VR1 Option 1-Volatile Solids Reduction
- [ ] VR2 Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
- [ ] VR3 Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
- [ ] VR4 Option 4-Specific Oxygen Uptake Rate
- [ ] VR5 Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
- [ ] VR6 Option 6-Alkaline Treatment
- [ ] VR7 Option 7-Drying (Equal to or Greater than 75 Percent)
- [ ] VR8 Option 8-Drying (Equal to or Greater than 90 Percent)
- [ ] VR9 Option 9-Sewage Sludge Injection
- [ ] VR10 Option 10-Sewage Sludge Timely Incorporation into Land
- [ ] VR11 Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

- [ ] Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).
- [ ] Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).
- [ ] Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).
- [ ] Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).
- [ ] Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

☒ **Please select this checkbox to continue completing the form.**
If you wish to change the SSUID section(s) above, uncheck this box. *

Biosolids Monitoring Data

INSTRUCTIONS: These monitoring data should be representative of the sewage sludge that was applied to land or placed on a surface disposal site during the reporting year see 40 CFR 503.8(a). This section uses the frequency of monitoring requirements in 40 CFR 503.16 and 503.26. The following codes can be used as data qualifiers: T = Too Numerous to Count, E = Estimated, N = No Data.

Land Application Monthly Sample Table

Sample	Sample Period Start Date	Sample Period End Date
Sample 1 Time Period	01-01-2017	01-31-2017
Sample 2 Time Period	02-01-2017	02-28-2017
Sample 3 Time Period	03-01-2017	03-31-2017
Sample 4 Time Period	04-01-2017	04-30-2017
Sample 5 Time Period	05-01-2017	05-31-2017
Sample 6 Time Period	06-01-2017	06-30-2017
Sample 7 Time Period	07-01-2017	07-31-2017
Sample 8 Time Period	08-01-2017	08-31-2017
Sample 9 Time Period	09-01-2017	09-30-2017
Sample 10 Time Period	10-01-2017	10-31-2017
Sample 11 Time Period	11-01-2017	11-30-2017
Sample 12 Time Period	12-01-2017	12-31-2017

Maximum Pollutant Concentration Data for All Sewage Sludge Applied to Land *

This section summarizes the maximum pollutant concentrations in sewage sludge that was applied to land during the reporting year. In accordance with 40 CFR 503.13(a), EPA's sewage sludge regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13). In order to identify noncompliance, EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13.

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Arsenic	Maximum	mg/kg	COMPOS

Sample 1		Sample 2		Sample 3		Sample 4		Sample 5		Sample 6	
=	9.09	=	8.86	=	8.55	=	8.63	=	7.90	=	7.20

Sample 7		Sample 8		Sample 9		Sample 10		Sample 11		Sample 12	
=	7.06	=	7.28	=	7.99	=	8.50	=	7.09	=	6.57

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Cadmium	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 4.0	= 5.4	= 4.9	= 4.6	= 4.5	= 4.2
Sample 7	**Sample 8**	**Sample 9**	**Sample 10**	**Sample 11**	**Sample 12**
= 13.1	= 8.1	= 5.2	= 5.1	= 4.5	= 4.6

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Copper	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 341	= 339	= 315	= 333	= 330	= 331
Sample 7	**Sample 8**	**Sample 9**	**Sample 10**	**Sample 11**	**Sample 12**
= 313	= 300	= 324	= 351	= 333	= 316

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Lead	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 18.1	= 20.1	= 19.0	= 17.1	= 15.7	= 17.3
Sample 7	**Sample 8**	**Sample 9**	**Sample 10**	**Sample 11**	**Sample 12**
= 14.8	= 18.2	= 18.5	= 19.5	= 17.2	= 17.6

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Mercury	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 0.87	= 1.28	= 1.20	= 1.19	= 1.43	= 0.85
Sample 7	**Sample 8**	**Sample 9**	**Sample 10**	**Sample 11**	**Sample 12**
= 0.73	= 0.88	= 1.13	= 0.81	= 0.82	= 0.63

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Molybdenum	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 22.5	= 19.7	= 20.2	= 20.1	= 20.3	= 23.5
Sample 7	**Sample 8**	**Sample 9**	**Sample 10**	**Sample 11**	**Sample 12**
= 20.5	= 23.6	= 25.7	= 24.4	= 25.8	= 26.2

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Nickel	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 36.9	= 39.8	= 40.4	= 42.8	= 40.1	= 39.4

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 38.6	= 38.9	= 44.4	= 43.4	= 39.6	= 40.0

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Selenium	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 26.0	= 27.3	= 27.3	= 29.6	= 31.4	= 23.8

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 29.5	= 31.2	= 32.2	= 33.0	= 25.0	= 21.3

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Zinc	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 805	= 818	= 828	= 740	= 769	= 794

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 739	= 756	= 781	= 844	= 789	= 763

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Total Nitrogen (TKN plus Nitrate-Nitrite)	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 55303	= 53230	= 54374	= 53653	= 53322	= 55964

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 57270	= 53861	= 52129	= 52771	= 56692	= 57723

Monthly Average Pollutant Concentration Data for All Sewage Sludge Applied to Land *

This section summarizes the monitoring-period average pollutant concentrations in sewage sludge that was applied to land during the reporting year.

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Arsenic	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 9.09	= 8.86	= 8.55	= 8.63	= 7.90	= 7.20

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 7.06	= 7.28	= 7.99	= 8.50	= 7.09	= 6.57

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Cadmium	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 4.0	= 5.4	= 4.9	= 4.6	= 4.5	= 4.2

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 13.1	= 8.1	= 5.2	= 5.1	= 4.5	= 4.6

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Copper	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 341	= 339	= 315	= 333	= 330	= 331

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 313	= 300	= 324	= 351	= 333	= 316

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Lead	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 18.1	= 20.1	= 19.0	= 17.1	= 15.7	= 17.3

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 14.8	= 18.2	= 18.5	= 19.5	= 17.2	= 17.6

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Mercury	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 0.87	= 1.28	= 1.20	= 1.19	= 1.43	= 0.85

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 0.73	= 0.88	= 1.13	= 0.81	= 0.82	= 0.63

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Nickel	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 36.9	= 39.8	= 40.4	= 42.8	= 40.1	= 39.4

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 38.6	= 38.9	= 44.4	= 43.4	= 39.6	= 40.0

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Selenium	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 26.0	= 27.3	= 27.3	= 29.6	= 31.4	= 23.8

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 29.5	= 31.2	= 32.2	= 33.0	= 25.0	= 21.3

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Zinc	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 805	= 818	= 828	= 740	= 769	= 794

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 739	= 756	= 781	= 844	= 789	= 763

Vector Attraction Reduction - Volatile Solids Options (Options 1-3) *

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Solids, total volatile percent removal	Minimum	Percent	CALCTD

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 51	= 55	= 52	= 54	= 54	= 51

Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12
= 55	= 52	= 53	= 51	= 54	= 53

Additional Information

Please enter any additional information in the comment box below (limit to 3,900 characters) that you would like to provide.

1. Section 2.2, Analysis: Temperature of anaerobic digester is continuously monitored via thermocouple.
2. Data entered for Maximum Pollutant Loading and Monthly Average Pollutant Concentrations are determined prior to biosolids leaving the wastewater treatment plant.
3. Reported biosolids tonnages are based on those leaving the wastewater treatment plant and may differ from those reported by the Third Party Preparers.
4. Total Nitrogen (mg/kg, average) was calculated by add NH3-N, Org-N, NO3-N, and NO2-N. When a parameter was non-detect, half of the threshold value was utilized in the summation.
5. In 2017, a pilot heat dryer produced 354 DMT dried biosolids, which were sent to Inland Empire Regional Composting Facility. This amount is included in totals reported above.

Additional Attachments (maximum size 25 MB)

File: Denali_2017_Annual_Report.pdf

Certification Information

I certify, under penalty of law, that the information in this report was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Certifier E-Mail *	Form Action *
aheil@lacsd.org	Approve

December 2017 BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake -Total Metals Concentrations
mg/kg Dry Weight

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn	Al
17010400198	1/3/2017	28.8	9.09	4.0	64.3	341	18.1	0.87	22.5	36.9	26.0	805	6,510
17020800151	2/7/2017	30.2	8.86	5.4	63.7	339	20.1	1.28	19.7	39.8	27.3	818	-
17030800165	3/7/2017	28.3	8.55	4.9	114	315	19.0	1.20	20.2	40.4	27.3	828	-
17040500179	4/4/2017	28.8	8.63	4.6	100	333	17.1	1.19	20.1	42.8	29.6	740	9,800
17050300216	5/2/2017	28.3	7.90	4.5	74.2	330	15.7	1.43	20.3	40.1	31.4	769	-
17060700201	6/6/2017	28.4	7.20	4.2	77.7	331	17.3	0.85	23.5	39.4	23.8	794	-
17071200223	7/11/2017	29.0	7.06	13.1	72.9	313	14.8	0.73	20.5	38.6	29.5	739	6,380
17080200149	8/1/2017	28.6	7.28	8.1	71.5	300	18.2	0.88	23.6	38.9	31.2	756	-
17090600103	9/5/2017	29.6	7.99	5.2	76.9	324	18.5	1.13	25.7	44.4	32.2	781	-
17100400141	10/3/2017	28.7	8.50	5.1	72.7	351	19.5	0.81	24.4	43.4	33.0	844	6,980
17110800043	11/7/2017	28.3	7.09	4.5	136	333	17.2	0.82	25.8	39.6	25.0	789	-
17120600082	12/5/2017	28.2	6.57	4.6	76.2	316	17.6	0.63	26.2	40.0	21.3	763	-
MEAN		**28.8**	**7.89**	**5.7**	**83.3**	**327**	**17.8**	**0.99**	**22.7**	**40.4**	**28.1**	**786**	**7,420**
MAX			**9.09**	**13.1**	**136**	**351**	**20.1**	**1.43**	**26.2**	**44.4**	**33.0**	**844**	**9,800**
TABLE 1 LIMITS		****	**75**	**85**	****	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**	****
TABLE 3 LIMITS		****	**41**	**39**	****	**1,500**	**300**	**17**	****	**420**	**100**	**2,800**	****

Sample No.	Date	% TS	Sb	Ba	Be	Co	Fe	Mn	K	Ag	Tl	Sn	V
17010400198	1/3/2017	28.8	5.1	1,120	0.065	5.50	96,800	237	1,020	3.2	< 0.10	45.3	37.6
17020800151	2/7/2017	30.2	-	-	-	-	-	-	-	-	-	-	-
17030800165	3/7/2017	28.3	-	-	-	-	-	-	-	-	-	-	-
17040500179	4/4/2017	28.8	2.9	1,120	0.078	5.29	85,100	262	967	3.4	< 0.10	58.6	38.0
17050300216	5/2/2017	28.3	-	-	-	-	-	-	-	-	-	-	-
17060700201	6/6/2017	28.4	-	-	-	-	-	-	-	-	-	-	-
17071200223	7/11/2017	29.0	3.0	1,130	0.069	5.29	93,100	255	918	2.9	< 0.10	39.6	36.7
17080200149	8/1/2017	28.6	-	-	-	-	-	-	-	-	-	-	-
17090600103	9/5/2017	29.6	-	-	-	-	-	-	-	-	-	-	-
17100400141	10/3/2017	28.7	3.5	1,180	0.087	6.49	92,800	263	995	3.7	< 0.10	47.3	41.2
17110800043	11/7/2017	28.3	-	-	-	-	-	-	-	-	-	-	-
17120600082	12/5/2017	28.2	-	-	-	-	-	-	-	-	-	-	-
MEAN		**28.8**	**3.6**	**1,138**	**0.075**	**5.64**	**92,000**	**254**	**975**	**3.3**	**ND**	**47.7**	**38.4**
MAX			**5.1**	**1,180**	**0.087**	**6.49**	**96,800**	**263**	**1,020**	**3.7**	**ND**	**58.6**	**41.2**

\ = No limit
ND = Not Detected
-- = No Sample
Statistics use detected values only

December 2017 BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake - Nutrients and Miscellaneous Constituents
mg/kg Dry Weight (or as indicated)

Sample No.	Date	% TS	Sulfur	PO_4	NH_3-N	Org-N	NO_3-N	NO_2-N	Boron	Paint FilterTest (ml/100 g)	pH
17010400198	1/3/2017	28.8	31,900	78,300	6,230	49,000	< 138	3.88	24.5	< 1.0	8.3
17020800151	2/7/2017	30.2	28,700	-	5,860	47,300	< 131	4.56	-	-	-
17030800165	3/7/2017	28.3	28,400	-	6,900	47,400	< 141	3.78	-	-	-
17040500179	4/4/2017	28.8	30,200	86,800	9,380	44,200	< 139	3.80	27.5	< 1.0	8.2
17050300216	5/2/2017	28.3	30,900	-	6,050	47,200	< 141	< 3.53	-	-	-
17060700201	6/6/2017	28.4	28,500	-	7,390	48,500	< 140	4.22	-	-	-
17071200223	7/11/2017	29.0	34,500	87,200	8,400	48,800	< 137	< 3.42	25.8	< 1.0	8.1
17080200149	8/1/2017	28.6	30,200	-	8,090	45,700	< 139	< 3.47	-	-	-
17090600103	9/6/2017	29.6	35,000	-	5,760	46,300	< 135	< 3.38	-	-	-
17100400141	10/3/2017	28.7	32,200	82,700	6,200	46,500	< 139	< 3.48	< 40.0	< 1.0	8.1
17110800043	11/7/2017	28.3	29,100	-	5,420	51,200	< 141	< 3.53	-	-	-
17120300082	12/5/2017	28.2	30,600	-	6,050	51,600	< 143	< 3.54	-	-	-
MEAN		**28.8**	**30,900**	**83,800**	**6,810**	**47,800**	**ND**	**4.05**	**25.9**	**ND**	**8.2**
MAX			**35,000**	**87,200**	**9,380**	**51,600**	**ND**	**4.56**	**27.5**	**ND**	**8.3**

ND = Not Detected
- = No Sample
Statistics use detected values only.

For EPA/ADEQ Biosolids Reporting Only

NO_3-N*	NO_2-N*	TN	TKN
69	3.9	55,303	55,230
66	4.6	53,230	53,160
71	3.8	54,374	54,300
70	3.8	53,653	53,580
71	1.8	53,322	53,250
70	4.2	55,964	55,890
69	1.7	57,270	57,200
70	1.7	53,861	53,790
68	1.7	52,129	52,060
70	1.7	52,771	52,700
71	1.8	56,692	56,620
72	1.8	57,723	57,650
	Maximum	57,723	57,650

*If non-detect, half of the threshold value was us

4th Quarter 2017 BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake - Soluble Metals Concentrations - mg/L
Analyzed by California Title 22 Waste Extraction Test

Sample No.	Date	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe
17010400199	1/3/2017	132	0.06	0.15	24	< 0.010	< 0.005	0.88	0.076	< 0.10	2,290
17040500178	4/4/2017	209	0.04	0.09	21	< 0.010	< 0.005	1.09	0.071	< 0.10	2,070
17071200226	7/11/2017	142	0.03	< 0.05	49	< 0.010	< 0.005	0.97	0.075	< 0.10	2,180
17100400143	10/3/2017	138	0.05	0.10	24	< 0.010	< 0.005	0.85	0.086	< 0.10	2,330
MEAN		**155**	**0.05**	**0.11**	**30**	**ND**	**ND**	**0.95**	**0.08**	**ND**	**2,220**
MAX		**209**	**0.06**	**0.15**	**49**	**ND**	**ND**	**1.09**	**0.09**	**ND**	**2,330**
TITLE 22 STLCs		****	**15**	**5.0**	**100**	**0.75**	**1**	**5**	**80**	**25**	****

Sample No.	Date	Pb	Hg	Mo	Ni	K	Se	Ag	Tl	Sn	V	Zn
17010400199	1/3/2017	0.06	< 0.0005	0.29	< 1.0	< 50.0	0.02	< 0.02	< 0.04	< 0.04	0.70	10.9
17040500178	4/4/2017	0.02	< 0.0005	0.22	< 1.0	< 50.0	0.02	< 0.02	< 0.04	< 0.04	0.71	7.26
17071200226	7/11/2017	< 0.010	< 0.0005	0.18	< 1.0	< 50.0	0.02	< 0.02	< 0.04	< 0.04	0.73	27.9
17100400143	10/3/2017	0.04	< 0.0005	0.26	< 1.0	< 50.0	0.03	< 0.02	< 0.04	< 0.04	0.74	7.61
MEAN		**0.04**	**ND**	**0.24**	**ND**	**ND**	**0.03**	**ND**	**ND**	**ND**	**0.72**	**13.4**
MAX		**0.06**	**ND**	**0.29**	**ND**	**ND**	**0.03**	**ND**	**ND**	**ND**	**0.74**	**27.9**
TITLE 22 STLCs		**5.0**	**0.2**	**350**	**20**	****	**1.0**	**5**	**7.0**	****	**24**	**250**

ND = Not Detected
\ = No Limit
Statistics use detected values only.

2017 BIOSOLIDS MANAGEMENT PROGRAM

JWPCP Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)
January	96.1	19	51
February	96.2	20	55
March	96.2	17	52
April	96.3	19	54
May	96.1	18	54
June	96.2	18	51
July	96.2	20	55
August	96.1	21	52
September	96.2	20	53
October	96.2	19	51
November	96.0	19	54
December	96.0	20	53
MEAN	**96.2**	**19**	**53**
MIN	**96.0**	**17**	**51**

Semi-Annual JWPCP Biosolids Cake
Detected Priority Pollutants
mg/kg on a Dry Weight Basis

Date	1/3/17	7/11/17
Sample Numbers	17010400198	17071200223
	17010400199	17071200224
Constituent	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	9.09	7.06
Cadmium	4.0	13.1
Chromium	64.3	72.9
Copper	341	313
Lead	18.1	14.8
Mercury	0.87	0.73
Nickel	36.9	38.6
Selenium	26.0	29.5
Silver	3.2	2.9
Zinc	805	739
Antimony	5.1	3.0
Cyanide	3.89	4.19
Beryllium	0.065	0.069
Total Cyanide	3.89	4.19
Diethylhexyl Phthalate	66.1	65.7

JWPCP BIOSOLIDS CAKE
2017 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	17010400198	17071200223	
	17010400199	17071200224	
	* 17020800150	17071200226	
Sample Date:	**1/3/2017**	**7/11/2017**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
PH	8.3	8.1	PH
TOTAL SOLIDS	28.8	29.0	%
TOTAL CYANIDE	3.89*	4.19	MG/KG CN
ARSENIC	9.09	7.06	MG/KG AS
CADMIUM	4.0	13.1	MG/KG CD
TOTAL CHROMIUM	64.3	72.9	MG/KG CR
COPPER	341	313	MG/KG CU
LEAD	18.1	14.8	MG/KG PB
MERCURY	0.87	0.73	MG/KG HG
NICKEL	36.9	38.6	MG/KG NI
SELENIUM	26.0	29.5	MG/KG SE
SILVER	3.21	2.89	MG/KG AG
ZINC	805	739	MG/KG ZN
ANTIMONY	5.1	3.0	MG/KG SB
BERYLLIUM	0.065	0.069	MG/KG BE
THALLIUM	< 0.10	< 0.10	MG/KG TL
BARIUM	1,120	1,130	MG/KG BA
ALUMINUM	6,510	6,380	MG/KG AL
COBALT	5.50	5.29	MG/KG CO
IRON	96,800	93,100	MG/KG FE
MANGANESE	237	255	MG/KG MN
POTASSIUM	1,020	918	MG/KG K
MOLYBDENUM	22.5	20.5	MG/KG MO
TIN	45.3	39.6	MG/KG SN
VANADIUM	37.6	36.7	MG/KG V
OP'-DDE	< 0.025	< 0.025	MG/KG
PP'-DDD	< 0.025	< 0.025	MG/KG
PP'-DDT	< 0.025	< 0.025	MG/KG
ALPHA-BHC	< 0.020	< 0.025	MG/KG
LINDANE (GAMMA-BHC)	< 0.025	< 0.025	MG/KG
HEPTACHLOR	< 0.025	< 0.025	MG/KG
HEPTACHLOR EPOXIDE	< 0.025	< 0.025	MG/KG
ALDRIN	< 0.050	< 0.050	MG/KG
DIELDRIN	< 0.025	< 0.025	MG/KG
ENDRIN	< 0.025	< 0.025	MG/KG
TOXAPHENE	< 0.350	< 0.350	MG/KG
AROCLOR 1242	< 0.300	< 0.300	MG/KG
AROCLOR 1254	< 0.200	< 0.200	MG/KG
BETA-BHC	< 0.025	< 0.025	MG/KG
DELTA-BHC	< 0.025	< 0.025	MG/KG
ENDOSULFAN I	< 0.025	< 0.025	MG/KG
ENDOSULFAN II	< 0.025	< 0.025	MG/KG
ENDOSULFAN SULFATE	< 0.025	< 0.025	MG/KG
ENDRIN ALDEHYDE	< 0.250	< 0.250	MG/KG
AROCLOR 1016	< 0.200	< 0.200	MG/KG
AROCLOR 1221	< 0.300	< 0.300	MG/KG
AROCLOR 1232	< 0.300	< 0.300	MG/KG
AROCLOR 1248	< 0.150	< 0.150	MG/KG
AROCLOR 1260	< 0.150	< 0.150	MG/KG
N-NITROSODIMETHYLAMINE	< 34.8	< 34.4	MG/KG
CHLOROFORM	< 0.87	< 0.87	MG/KG

JWPCP BIOSOLIDS CAKE
2017 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	**17010400198**	**17071200223**	
	17010400199	**17071200224**	
	*** 17020800150**	**17071200226**	
Sample Date:	**1/3/2017**	**7/11/2017**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
1,1,1-TRICHLOROETHANE	< 0.87	< 0.87	MG/KG
CARBON TETRACHLORIDE	< 0.87	< 0.87	MG/KG

JWPCP BIOSOLIDS CAKE
2017 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	17010400198	17071200223	
	17010400199	17071200224	
	* 17020800150	17071200226	
Sample Date:	**1/3/2017**	**7/11/2017**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
TRICHLOROETHYLENE	< 0.87	< 0.87	MG/KG
TETRACHLOROETHYLENE	< 0.87	< 0.87	MG/KG
CHLOROBENZENE	< 0.87	< 0.87	MG/KG
VINYL CHLORIDE	< 0.87	< 0.87	MG/KG
1,1,2-TRICHLOROETHANE	< 0.87	< 0.87	MG/KG
1,2-DICHLOROETHANE	< 0.87	< 0.87	MG/KG
TOLUENE	< 0.87	< 0.87	MG/KG
ETHYL BENZENE	< 0.87	< 0.87	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.87	< 0.87	MG/KG
BROMOMETHANE	< 0.87	< 0.87	MG/KG
CHLOROETHANE	< 0.87	< 0.87	MG/KG
2-CHLOROETHYLVINYLETHER	< 0.87	< 0.87	MG/KG
1,2-DICHLOROPROPANE	< 0.87	< 0.87	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.87	< 0.87	MG/KG
ACROLEIN	< 0.87	< 0.87	MG/KG
ACRYLONITRILE	< 0.87	< 0.87	MG/KG
ACENAPHTHENE	< 34.8	< 34.4	MG/KG
ACENAPHTHYLENE	< 34.8	< 34.4	MG/KG
ANTHRACENE	< 34.8	< 34.4	MG/KG
BENZIDINE	< 174	< 172	MG/KG
BENZO(A)ANTHRACENE	< 34.8	< 34.4	MG/KG
BENZO(A)PYRENE	< 34.8	< 34.4	MG/KG
BENZO(B)FLUORANTHENE	< 34.8	< 34.4	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 34.8	< 34.4	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 34.8	< 34.4	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 34.8	< 34.4	MG/KG
DIETHYLHEXYL PHTHALATE	66.1	65.7	MG/KG
BUTYLBENZYL PHTHALATE	< 34.8	< 34.4	MG/KG
2-CHLORONAPHTHALENE	< 34.8	< 34.4	MG/KG
CHRYSENE	< 34.8	< 34.4	MG/KG
DIBENZO(A,H)ANTHRACENE	< 34.8	< 34.4	MG/KG
1,2-DICHLOROBENZENE	< 34.8	< 34.4	MG/KG
1,3-DICHLOROBENZENE	< 34.8	< 34.4	MG/KG
1,4-DICHLOROBENZENE	< 34.8	< 34.4	MG/KG
3,3'-DICHLOROBENZIDINE	< 69.6	< 68.8	MG/KG
DIETHYL PHTHALATE	< 34.8	< 34.4	MG/KG
METHYLENE CHLORIDE	< 0.87	< 0.87	MG/KG
DI-N-BUTYL PHTHALATE	< 34.8	< 34.4	MG/KG
2,4-DINITROTOLUENE	< 34.8	< 34.4	MG/KG
DI-N-OCTYL PHTHALATE	< 34.8	< 34.4	MG/KG
1,2-DIPHENYLHYDRAZINE	< 34.8	< 34.4	MG/KG
FLUORANTHENE	< 34.8	< 34.4	MG/KG
FLUORENE	< 34.8	< 34.4	MG/KG
HEXACHLOROBENZENE	< 34.8	< 34.4	MG/KG
HEXACHLOROBUTADIENE	< 34.8	< 34.4	MG/KG
HEXACHLOROETHANE	< 34.8	< 34.4	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 34.8	< 34.4	MG/KG
ISOPHORONE	< 34.8	< 34.4	MG/KG
NAPHTHALENE	< 34.8	< 34.4	MG/KG
NITROBENZENE	< 34.8	< 34.4	MG/KG

JWPCP BIOSOLIDS CAKE
2017 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	17010400198	17071200223	
	17010400199	17071200224	
	* 17020800150	17071200226	
Sample Date:	**1/3/2017**	**7/11/2017**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
DIMETHYL PHTHALATE	< 34.8	< 34.4	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 34.8	< 34.4	MG/KG
PHENANTHRENE	< 34.8	< 34.4	MG/KG

JWPCP BIOSOLIDS CAKE
2017 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	17010400198	17071200223	
	17010400199	17071200224	
	* 17020800150	17071200226	
Sample Date:	**1/3/2017**	**7/11/2017**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
PYRENE	< 34.8	< 34.4	MG/KG
2,3,7,8-TCDD	< 7.2	< 6.9	NG/KG
2-CHLOROPHENOL	< 34.8	< 34.4	MG/KG
1,2,4-TRICHLOROBENZENE	< 34.8	< 34.4	MG/KG
2,4-DICHLOROPHENOL	< 34.8	< 34.4	MG/KG
4-CHLORO-3-METHYLPHENOL	< 34.8	< 34.4	MG/KG
2,4-DINITROPHENOL	< 69.6	< 68.8	MG/KG
2-NITROPHENOL	< 34.8	< 34.4	MG/KG
4-NITROPHENOL	< 69.6	< 68.8	MG/KG
PENTACHLOROPHENOL	< 69.6	< 68.8	MG/KG
PHENOL	< 34.8	< 34.4	MG/KG
2,4,6-TRICHLOROPHENOL	< 34.8	< 34.4	MG/KG
N-NITROSODIPHENYLAMINE	< 34.8	< 34.4	MG/KG
O-CRESOL	< 69.6	< 68.8	MG/KG
M+P CRESOL	< 69.6	< 68.8	MG/KG
MALATHION	< 15.0	< 8.3	MG/KG
PP'-DDE	< 0.025	< 0.025	MG/KG
OP'-DDD	0.032	0.035	MG/KG
OP'-DDT	< 0.025	< 0.025	MG/KG
METHOXYCLOR	< 0.025	< 0.025	MG/KG
2,4-D(ACID)	< 6.3	< 6.1	MG/KG
2,4,5-TP(SILVEX)	< 6.3	< 6.1	MG/KG
TECHNICAL CHLORDANE	< 0.150	< 0.150	MG/KG
TOTAL DETECTED PESTICIDES	0.0319	0.07	MG/KG
MIREX	< 0.025	< 0.025	MG/KG
1,1-DICHLOROETHENE	< 0.87	< 0.87	MG/KG
BROMODICHLOROMETHANE	< 0.87	< 0.87	MG/KG
DIBROMOCHLOROMETHANE	< 0.87	< 0.87	MG/KG
BROMOFORM	< 0.87	< 0.87	MG/KG
O-DICHLOROBENZENE	< 0.87	< 0.87	MG/KG
M-DICHLOROBENZENE	< 0.87	< 0.87	MG/KG
P-DICHLOROBENZENE	< 0.87	< 0.87	MG/KG
1,1-DICHLOROETHANE	< 0.87	< 0.87	MG/KG
BENZENE	< 0.87	< 0.87	MG/KG
CHLOROMETHANE	< 0.87	< 0.87	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.87	< 0.87	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.87	< 0.87	MG/KG
FREON 12	< 0.87	< 0.87	MG/KG
FREON 11	< 0.87	< 0.87	MG/KG
BENZO(G.H.I.)PERYLENE	< 34.8	< 34.4	MG/KG
BENZO(K)FLUORANTHENE	< 34.8	< 34.4	MG/KG
4-BROMOPHENYL PHENYLETHER	< 34.8	< 34.4	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 34.8	< 34.4	MG/KG
2,6-DINITROTOLUENE	< 34.8	< 34.4	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 69.6	< 68.8	MG/KG
2-METHYL-4,6DINITROPHENOL	< 34.8	< 34.4	MG/KG
2,4-DIMETHYLPHENOL	< 34.8	< 34.4	MG/KG
PYRIDINE	< 34.8	< 34.4	MG/KG

ND = None Detected

Lancaster WRP Influent Monitoring

Lancaster Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND									
1,1-Dichloroethene	ug/L	ND									
1,1,1-Trichloroethane	ug/L	ND									
1,1,2-Trichloroethane	ug/L	ND									
1,1,2,2-Tetrachloroethane	ug/L	ND									
1,2-Dichlorobenzene	ug/L	ND									
1,2-Dichloroethane	ug/L	ND									
1,2-Dichloropropane	ug/L	ND									
1,2-Diphenylhydrazine	ug/L	ND									
1,2,4-Trichlorobenzene	ug/L	ND									
1,3-Dichlorobenzene	ug/L	ND									
1,4-Dichlorobenzene	ug/L	ND									
2-Chloroethyl vinyl ether (mixed)	ug/L	ND									
2-Chloronaphthalene	ug/L	ND									
2-Chlorophenol	ug/L	ND									
2-Methyl-4,6-dinitrophenol	ug/L	ND									
2-Nitrophenol	ug/L	ND									
2,4-Dichlorophenol	ug/L	ND									
2,4-Dimethylphenol	ug/L	ND									
2,4-Dinitrophenol	ug/L	ND									
2,4-Dinitrotoluene	ug/L	ND									
2,4,6-Trichlorophenol	ug/L	ND									
2,6-Dinitrotoluene	ug/L	ND									
3-Methyl-4-chlorophenol	ug/L	ND									
3,3'-Dichlorobenzidine	ug/L	ND									
4-Bromophenyl phenyl ether	ug/L	ND									
4-Chlorophenyl phenyl ether	ug/L	ND									
4-Nitrophenol	ug/L	ND									
4,4'-DDD	ug/L	ND									
4,4'-DDE	ug/L	ND									
4,4'-DDT	ug/L	ND									
Acenaphthene	ug/L	ND									
Acenaphthylene	ug/L	ND									
Acrolein	ug/L	ND									
Acrylonitrile	ug/L	ND									
Aldrin	ug/L	ND									
alpha-BHC	ug/L	ND									
Aluminum	mg/L	0.482									
Ammonia as nitrogen	mg/L		37.2		35.3			33.0			32.4
Anthracene	ug/L	ND									
Antimony	mg/L	0.00058									
Aroclor 1016	ug/L	ND									
Aroclor 1221	ug/L	ND									
Aroclor 1232	ug/L	ND									
Aroclor 1242	ug/L	ND									
Aroclor 1248	ug/L	ND									
Aroclor 1254	ug/L	ND									
Aroclor 1260	ug/L	ND									
Arsenic	mg/L	0.00357									
Barium	mg/L	0.0668									
Benzene	ug/L	ND									
Benzidine	ug/L	ND									
Benzo(a)anthracene	ug/L	ND									
Benzo(a)pyrene	ug/L	ND									
Benzo(b)fluoranthene	ug/L	ND									
Benzo(g,h,i)perylene	ug/L	ND									
Benzo(k)fluoranthene	ug/L	ND									

Lancaster Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08	0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.20	100
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.4	100
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.01
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L			ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009	0.005
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.002	0.01
Aluminum	mg/L			0.482	0.482	0.482	EPA 200.8		0.00195	0.0100
Ammonia as nitrogen	mg/L			32.4	34.5	37.2	SM 4500 NH3 G		0.020	3.00 - 5.00
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.18	100
Antimony	mg/L			0.00058	0.00058	0.00058	EPA 200.8	0.0005	0.00032	0.00050
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.1
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09	0.3
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.1
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.1
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01	0.05
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01	0.1
Arsenic	mg/L			0.00357	0.00357	0.00357	EPA 200.8	0.002	0.00014	0.00100
Barium	mg/L			0.0668	0.0668	0.0668	EPA 200.8		0.00008	0.00050
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.13	100
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.23	100

Lancaster Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Beryllium	mg/L	ND									
beta-BHC	ug/L	ND									
bis(2-Chloroethoxy) methane	ug/L	ND									
bis(2-Chloroethyl) ether	ug/L	ND									
bis(2-Chloroisopropyl) ether	ug/L	ND									
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 10.1									
Bromodichloromethane	ug/L	ND									
Bromoform	ug/L	DNQ Est. Conc. 0.35									
Butyl benzyl phthalate	ug/L	DNQ Est. Conc. 2.2									
Cadmium	mg/L	DNQ Est. Conc. 0.00017									
Calcium	mg/L	65.4									
Carbon tetrachloride	ug/L	ND									
Chemical oxygen demand (COD)	mg/L	780	1374	734	730	698	749	676	662	675	618
Chloride	mg/L	107			85.7			73.6			98.1
Chlorobenzene	ug/L	ND									
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.20									
Chloroethane	ug/L	ND									
Chloroform	ug/L	1.0									
Chromium VI	mg/L	0.00006									
Chromium, total	mg/L	0.00827									
Chrysene	ug/L	ND									
cis-1,3-Dichloropropene	ug/L	ND									
Cobalt	mg/L	0.00028									
Copper	mg/L	0.0434									
delta-BHC	ug/L	ND									
Di-n-butyl phthalate	ug/L	ND									
Di-n-octyl phthalate	ug/L	ND									
Dibenzo(a,h)anthracene	ug/L	ND									
Dibromoacetic acid	ug/L	ND									
Dichloroacetic acid	ug/L	2.0									
Dieldrin	ug/L	ND									
Diesel range organics	ug/L	6770									
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.6									
Dimethyl phthalate	ug/L	ND									
Endosulfan II	ug/L	ND									
Endosulfan I	ug/L	ND									
Endosulfan sulfate	ug/L	ND									
Endrin aldehyde	ug/L	ND									
Endrin	ug/L	ND									
Ethylbenzene	ug/L	ND									
Fluoranthene	ug/L	ND									
Fluorene	ug/L	ND									
gamma-BHC (Lindane)	ug/L	0.01									
Gasoline range organics	ug/L	DNQ Est. Conc. 16									
Heptachlor epoxide	ug/L	ND									
Heptachlor	ug/L	ND									
Hexachlorobenzene	ug/L	ND									
Hexachlorobutadiene	ug/L	ND									
Hexachlorocyclopentadiene	ug/L	ND									
Hexachloroethane	ug/L	ND									
Indeno (1,2,3-cd) pyrene	ug/L	ND									
Iron	mg/L	0.61									
Isophorone	ug/L	ND									
Lead	mg/L	0.00125									
m+p-Xylenes	ug/L	ND									
Magnesium	mg/L	10.8									
Manganese	mg/L	0.0243									

Lancaster Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Beryllium	mg/L			ND	ND	ND	EPA 200.8	0.0005	0.000030	0.00025
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.002	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.16	20.0
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 10.1	ND	DNQ Est. Conc. 10.1	EPA 625	5	0.25	20.0
Bromodichloromethane	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
Bromoform	ug/L			DNQ Est. Conc. 0.35	ND	DNQ Est. Conc. 0.35	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 2.2	EPA 625	10	0.16	100
Cadmium	mg/L			DNQ Est. Conc. 0.00017	ND	DNQ Est. Conc. 0.00017	EPA 200.8	0.00025	0.000031	0.00020
Calcium	mg/L			65.4	65.4	65.4	EPA 200.8		0.004	0.020
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Chemical oxygen demand (COD)	mg/L	669	712	618	756	1374	SM 5220D (std)		8.5	25.0 - 125
Chloride	mg/L			73.6	91.1	107	EPA 300.0		0.030 - 0.190	8.00 - 10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L			DNQ Est. Conc. 0.20	ND	DNQ Est. Conc. 0.20	EPA 624	2	0.14	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L			1.0	1.0	1.0	EPA 624	2	0.18	0.50
Chromium VI	mg/L			0.00006	0.00006	0.00006	EPA 218.6 (Dissolved)		0.00001	0.00005
Chromium, total	mg/L			0.00827	0.00827	0.00827	EPA 200.8	0.0005	0.00011	0.00050
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.17	100
cis-1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624		0.07	0.50
Cobalt	mg/L			0.00028	0.00028	0.00028	EPA 200.8		0.00001	0.00025
Copper	mg/L			0.0434	0.0434	0.0434	EPA 200.8	0.0005	0.00011	0.00050
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.15	100
Dibromoacetic acid	ug/L			ND	ND	ND	EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L			2.0	2.0	2.0	EPA 552.2		0.41	1.0
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L			6770	6770	6770	SW8015 Diesel/Oil Organics		22	500
Diethyl phthalate	ug/L			DNQ Est. Conc. 4.6	ND	DNQ Est. Conc. 4.6	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.002	0.01
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.18	100
gamma-BHC (Lindane)	ug/L			0.01	0.01	0.01	EPA 608	0.02	0.0009	0.01
Gasoline range organics	ug/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	SW8015 Gas-Range Organics		9	50
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.14	100
Iron	mg/L			0.61	0.61	0.61	EPA 200.8		0.003	0.020
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
Lead	mg/L			0.00125	0.00125	0.00125	EPA 200.8	0.0005	0.00001	0.00025
m+p-Xylenes	ug/L			ND	ND	ND	EPA 624		0.31	1.0
Magnesium	mg/L			10.8	10.8	10.8	EPA 200.8		0.001	0.020
Manganese	mg/L			0.0243	0.0243	0.0243	EPA 200.8		0.00003	0.00100

Lancaster Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Mercury	mg/L	0.00007									
Methyl bromide (Bromomethane)	ug/L	ND									
Methyl chloride (Chloromethane)	ug/L	ND									
Methyl tert-butyl ether (MTBE)	ug/L	ND									
Methylene chloride	ug/L	ND									
Molybdenum	mg/L	0.00380									
Monobromoacetic acid	ug/L	ND									
Monochloroacetic acid	ug/L	ND									
n-Nitrosodi-n-propylamine	ug/L	ND									
n-Nitrosodimethylamine (NDMA)	ug/L	ND									
n-Nitrosodiphenylamine	ug/L	ND									
Naphthalene	ug/L	ND									
Nickel	mg/L	0.00290									
Nitrate as nitrogen	mg/L		ND		ND			ND			ND
Nitrite as nitrogen	mg/L		ND		ND			ND			ND
Nitrobenzene	ug/L	ND									
o-Xylene	ug/L	ND									
Oil range organics	ug/L	3450									
Pentachlorophenol	ug/L	ND									
Phenanthrene	ug/L	ND									
Phenols	ug/L	100									
Phenol	ug/L	34.1									
pH	SU	7.6	7.7	7.4	7.6	7.5	7.3	7.4	7.3	7.3	7.7
Potassium	mg/L	15.8									
Pyrene	ug/L	ND									
Selenium	mg/L	0.00152									
Silver	mg/L	0.00039									
Sodium	mg/L	115									
Sulfate	mg/L	64.5									
Surfactant (MBAS)	mg/L		9.60		9.93			7.34			8.53
Technical Chlordane	ug/L	ND									
Tetrachloroethene	ug/L	ND									
Thallium	mg/L	ND									
Toluene	ug/L	0.84									
Total BOD	mg/L	287	574	287	279	333	294	274	298	312	249
Total Carbonaceous BOD5	mg/L	253	374	231	209	285	211	182	281	173	170
Total cyanide	ug/L	ND									
Total dissolved solids	mg/L		446								
Total Kjeldahl Nitrogen (TKN)	mg/L		57.2		50.2			38.0			47.9
Total organic carbon	ug/L	51600			61200			47300			50900
Total Petroleum Hydrocarbons	ug/L	10200									
Total Suspended Solids	mg/L	346	487	328	297	306	354	287	300	299	262
Total Trihalomethanes	ug/l	1.6									
Toxaphene	ug/L	ND									
trans-1,2-Dichloroethene	ug/L	ND									
trans-1,3-Dichloropropene	ug/L	ND									
Trichloroacetic acid	ug/L	2.2									
Trichloroethene	ug/L	ND									
Vanadium	mg/L	0.0140									
Vinyl chloride	ug/L	ND									
Zinc	mg/L	0.250									

Lancaster Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Mercury	mg/L			0.00007	0.00007	0.00007	EPA 245.1	0.0005	0.000004	0.00004
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND	EPA 624		0.12	0.50
Methylene chloride	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Molybdenum	mg/L			0.00380	0.00380	0.00380	EPA 200.8		0.00003	0.00025
Monobromoacetic acid	ug/L			ND	ND	ND	EPA 552.2		0.21	1.0
Monochloroacetic acid	ug/L			ND	ND	ND	EPA 552.2		0.32	2.0
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625	5	0.12	50.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 1625 (Modified)	5	0.050	0.20
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	mg/L			0.00290	0.00290	0.00290	EPA 200.8	0.001	0.00012	0.00100
Nitrate as nitrogen	mg/L			ND	ND	ND	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L			ND	ND	ND	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.22	10.0
o-Xylene	ug/L			ND	ND	ND	EPA 624		0.12	0.50
Oil range organics	ug/L			3450	3450	3450	SW8015 Diesel/Oil Organics		42	2500
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Phenols	ug/L			100	100	100	EPA 420.1		2	24
Phenol	ug/L			34.1	34.1	34.1	EPA 625	1	0.14	10.0
pH	SU	7.5	7.6	7.3	7.5	7.7	SM 4500 H+ B		1.00	4.00
Potassium	mg/L			15.8	15.8	15.8	EPA 200.8		0.007	0.20
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	100
Selenium	mg/L			0.00152	0.00152	0.00152	EPA 200.8	0.002	0.00004	0.00100
Silver	mg/L			0.00039	0.00039	0.00039	EPA 200.8	0.00025	0.00002	0.00020
Sodium	mg/L			115	115	115	EPA 200.8		0.004	4.0
Sulfate	mg/L			64.5	64.5	64.5	EPA 300.0		0.120	2.00
Surfactant (MBAS)	mg/L			7.34	8.85	9.93	SM 5540C		0.03	4.00
Technical Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.01	0.05
Tetrachloroethene	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	mg/L			ND	ND	ND	EPA 200.8	0.001	0.000015	0.00025
Toluene	ug/L			0.84	0.84	0.84	EPA 624	2	0.19	0.50
Total BOD	mg/L	307	253	249	312	574	SM 5210B		0.6	86 - 120
Total Carbonaceous BOD5	mg/L	287	183	170	237	374	SM 5210B		0.6	40 - 120
Total cyanide	ug/L			ND	ND	ND	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			446	446	446	SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L			38.0	48.3	57.2	EPA 351.2		0.135	5.00 - 10.0
Total organic carbon	ug/L			47300	52750	61200	SM 5310C		50	5000 - 25000
Total Petroleum Hydrocarbons	ug/L			10200	10200	10200	SW-846 8015B			0.050
Total Suspended Solids	mg/L	268	295	262	319	487	SM 2540D		2.5	50.0 - 100
Total Trihalomethanes	ug/l			1.6	1.6	1.6	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.08	0.5
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.16	0.50
trans-1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624		0.17	0.50
Trichloroacetic acid	ug/L			2.2	2.2	2.2	EPA 552.2		0.22	1.0
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Vanadium	mg/L			0.0140	0.0140	0.0140	EPA 200.8		0.00007	0.00100
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	mg/L			0.250	0.250	0.250	EPA 200.8	0.001	0.00060	0.0200

Lancaster WRP Effluent Monitoring

Lancaster Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,7,8-TCDD	ug/L	ND						ND			
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	ND						ND			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
4,4'-DDT	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Aluminum	mg/L	ND						ND			
Ammonia as nitrogen	mg/L	1.47	8.49	2.04	1.76	2.12	2.20	2.38	2.00	3.70	3.40
Anthracene	ug/L	ND						ND			
Antimony	mg/L	DNQ Est. Conc. 0.00040						DNQ Est. Conc. 0.00049			
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	mg/L	0.00130						DNQ Est. Conc. 0.00093			
Barium	mg/L	0.0265						0.0121			
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND						ND			
Benzo(b)fluoranthene	ug/L	ND						ND			
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND						ND			

Lancaster Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.07 - 0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.09	0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.20	10.0
2,3,7,8-TCDD	ug/L			ND	ND	ND			EPA 1613B		0.00000050 - 0.00000063	0.000011
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.4	10.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3 - 1.6	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Aluminum	mg/L			ND	ND	ND			EPA 200.8		0.00088 - 0.00195	0.0100
Ammonia as nitrogen	mg/L	2.14	2.90	1.47	2.88	8.49		(1)	SM 4500 NH3 G		0.020	0.100 - 3.00
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	mg/L			DNQ Est. Conc. 0.00040	ND	DNQ Est. Conc. 0.00049			EPA 200.8	0.0005	0.00007 - 0.00032	0.00050
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	mg/L			DNQ Est. Conc. 0.00093	0.00065	0.00130			EPA 200.8	0.002	0.00014 - 0.00015	0.00100
Barium	mg/L			0.0121	0.0193	0.0265			EPA 200.8		0.00005 - 0.00008	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020

Lancaster Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Beryllium	mg/L	ND						ND			
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	ND						ND			
Bromodichloromethane	ug/L	4.9			2.7			2.2			0.55
Bromoform	ug/L	DNQ Est. Conc. 0.18			ND			ND			ND
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	mg/L	ND						ND			
Calcium	mg/L	53.0			31.4			27.9			31.4
Carbon tetrachloride	ug/L	ND						ND			
Chemical oxygen demand (COD)	mg/L	ND	27.0	27.5	ND	ND	ND	ND	ND	ND	27.8
Chloride	mg/L	126			105			103			119
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	1.0			DNQ Est. Conc. 0.29			DNQ Est. Conc. 0.21			ND
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	14.6			11.0			13.0			3.7
Chromium VI	mg/L	ND						ND			
Chromium, total	mg/L	0.00097						0.00064			
Chrysene	ug/L	ND						ND			
cis-1,3-Dichloropropene	ug/L	ND						ND			
Cobalt	mg/L	DNQ Est. Conc. 0.00012						DNQ Est. Conc. 0.00015			
Copper	mg/L	0.00184						0.00194			
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			
Dibromoacetic acid	ug/L	ND			ND			ND			ND
Dichloroacetic acid	ug/L	11			15			16			13
Dieldrin	ug/L	ND						ND			
Diesel range organics	ug/L	DNQ Est. Conc. 88									
Diethyl phthalate	ug/L	ND						ND			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	7.7	8.2	8.1	8.0	7.7	7.4	7.2	7.1	7.1	7.5
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.002						ND			
Gasoline range organics	ug/L	DNQ Est. Conc. 24									
Haloacetic Acids (HAA5)	ug/L	16			23			23			16
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND			
Iron	mg/L	0.06						0.11			
Isophorone	ug/L	ND						ND			
Lead	mg/L	DNQ Est. Conc. 0.00004						DNQ Est. Conc. 0.00003			
m+p-Xylenes	ug/L	ND						ND			
Magnesium	mg/L	9.2			6.6			5.3			8.7

Lancaster Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Beryllium	mg/L			ND	ND	ND			EPA 200.8	0.0005	0.00003 - 0.00004	0.00025
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625	5	0.25	2.0
Bromodichloromethane	ug/L			0.55	2.6	4.9			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L			ND	ND	DNQ Est. Conc. 0.18			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	mg/L			ND	ND	ND			EPA 200.8	0.00025	0.000030 - 0.000031	0.00020
Calcium	mg/L			27.9	35.9	53.0			EPA 200.8		0.004 - 0.005	0.02
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	6.86	27.8			SM 5220D (std)		8.5	25.0
Chloride	mg/L			103	113	126			EPA 300.0		0.030 - 0.190	8.00 - 10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L			ND	0.25	1.0			EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L			3.7	11	14.6			EPA 624	2	0.09 - 0.18	0.50
Chromium VI	mg/L			ND	ND	ND			EPA 218.6 (Dissolved)		0.00001 - 0.00048	0.00005 - 0.0020
Chromium, total	mg/L			0.00064	0.00081	0.00097			EPA 200.8	0.0005	0.00011	0.00050
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
cis-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.07 - 0.11	0.50
Cobalt	mg/L			DNQ Est. Conc. 0.00012	ND	DNQ Est. Conc. 0.00015			EPA 200.8		0.00001 - 0.00002	0.00025
Copper	mg/L			0.00184	0.00189	0.00194			EPA 200.8	0.0005	0.00011 - 0.00016	0.00050
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Dibromoacetic acid	ug/L			ND	ND	ND			EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L			11	14	16			EPA 552.2		0.41	1.0
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L			DNQ Est. Conc. 88	ND	DNQ Est. Conc. 88			SW8015 Diesel/Oil Organics		22	100
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	7.6	8.0	7.1	7.6	8.2	≥ 1.0		HACH 10360 LDO & SM 4500 O G		0.1	1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.12 - 0.18	0.50
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.002			EPA 608	0.02	0.0009 - 0.001	0.01
Gasoline range organics	ug/L			DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24			SW8015 Gas-Range Organics		9	50
Haloacetic Acids (HAA5)	ug/L			16	20	23			EPA 552.2		0.41 - 1.0	1.0
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.75	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	mg/L			0.06	0.09	0.11			EPA 200.8		0	0.02
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	mg/L			DNQ Est. Conc. 0.00003	ND	DNQ Est. Conc. 0.00004			EPA 200.8	0.0005	0.00001 - 0.00003	0.00025
m+p-Xylenes	ug/L			ND	ND	ND			EPA 624		0.22 - 0.31	1.0
Magnesium	mg/L			5.3	7.5	9.2			EPA 200.8		0.001 - 0.003	0.020

Lancaster Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Manganese	mg/L	0.0135						0.0217			
Mercury	mg/L	ND									0.0000024
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND									
Methylene chloride	ug/L	ND						ND			
Molybdenum	mg/L	0.00282						0.00280			
Monobromoacetic acid	ug/L	ND			ND			ND			ND
Monochloroacetic acid	ug/L	ND			ND			ND			ND
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	5.7			3.1			2.6			5.3
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	mg/L	DNQ Est. Conc. 0.00097						0.00140			
Nitrate as nitrogen	mg/L	8.03	5.09	9.01	8.20	9.97	7.76	4.03	8.41	3.83	4.26
Nitrite as nitrogen	mg/L	ND	0.137	0.045	0.059	0.032	0.051	0.068	0.057	0.103	0.079
Nitrobenzene	ug/L	ND						ND			
o-Xylene	ug/L	ND						ND			
Oil range organics	ug/L	DNQ Est. Conc. 105									
Pentachlorophenol	ug/L	ND						ND			
Phenanthrene	ug/L	ND						ND			
Phenols	ug/L	DNQ Est. Conc. 5									
Phenol	ug/L	ND						DNQ Est. Conc. 0.22			
pH	SU	7.3	7.2	7.1	7.0	6.9	7.1	7.2	7.2	7.2	7.1
Potassium	mg/L	14.5						13.4			
Pyrene	ug/L	ND						ND			
Selenium	mg/L	DNQ Est. Conc. 0.00053						DNQ Est. Conc. 0.00020			
Silver	mg/L	ND						DNQ Est. Conc. 0.00001			
Sodium	mg/L	117			107			92.4			101
Sulfate	mg/L	73.6			68.6			52.9			62.4
Surfactant (MBAS)	mg/L		ND		ND			ND			ND
Technical Chlordane	ug/L	ND						ND			
Temperature	°C	18.9	18.4	19.5	20.2	22.0	24.3	27.1	27.2	26.1	21.7
Tetrachloroethene	ug/L	ND						ND			
Thallium	mg/L	ND						ND			
Toluene	ug/L	ND						ND			
Total BOD	mg/L	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND
Total Carbonaceous BOD5	mg/L	ND	ND	ND	4	ND	ND	ND	ND	ND	ND
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 1.8							DNQ Est. Conc. 1.0		
Total dissolved solids	mg/L		471		433			389			433
Total Kjeldahl Nitrogen (TKN)	mg/L	2.46	9.95	4.02	2.80	4.96	3.34	5.15	3.69	4.30	4.70
Total organic carbon	ug/L	5140			6160			5810			5750
Total Petroleum Hydrocarbons	ug/L	216									
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	20.7			14.0			15.4			4.2
Toxaphene	ug/L	ND						ND			
trans-1,2-Dichloroethene	ug/L	ND						ND			
trans-1,3-Dichloropropene	ug/L	ND						ND			
Trichloroacetic acid	ug/L	5.4			7.7			6.7			2.7
Trichloroethene	ug/L	ND						ND			
Vanadium	mg/L	0.00709						0.00400			
Vinyl chloride	ug/L	ND						ND			
Zinc	mg/L	0.104						0.0409			

Lancaster Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Manganese	mg/L			0.0135	0.0176	0.0217			EPA 200.8		0.00003 - 0.00014	0.00100
Mercury	mg/L			ND	0.0000012	0.0000024			EPA 1631E & EPA 245.1	0.0005	0.00000031 - 0.000004	0.00000050 - 0.00004
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.12	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.20	0.50
Molybdenum	mg/L			0.00280	0.00281	0.00282			EPA 200.8		0.00002 - 0.00003	0.00025
Monobromoacetic acid	ug/L			ND	ND	ND			EPA 552.2		0.21	1.0
Monochloroacetic acid	ug/L			ND	ND	ND			EPA 552.2		0.32	2.0
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
n-Nitrosodimethylamine (NDMA)	ug/L			2.6	4.2	5.7			EPA 1625 (Modified)	5	0.0005 - 0.050	0.010 - 0.20
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	mg/L			DNQ Est. Conc. 0.00097	0.00070	0.00140			EPA 200.8	0.001	0.00012	0.00100
Nitrate as nitrogen	mg/L	6.31	5.34	3.83	6.69	9.97			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.062	0.118	ND	0.068	0.137			SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
o-Xylene	ug/L			ND	ND	ND			EPA 624		0.10 - 0.12	0.50
Oil range organics	ug/L			DNQ Est. Conc. 105	ND	DNQ Est. Conc. 105			SW8015 Diesel/Oil Organics		42	500
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38	1.0
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Phenols	ug/L			DNQ Est. Conc. 5	ND	DNQ Est. Conc. 5			EPA 420.1		2	6
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.22			EPA 625	1	0.14	1.0
pH	SU	7.2	7.1	6.9	7.1	7.3	6.0≤pH≤9.0		SM 4500 H+ B		1.00	4.00
Potassium	mg/L			13.4	14.0	14.5			EPA 200.8		0.007 - 0.033	0.20
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	mg/L			DNQ Est. Conc. 0.00020	ND	DNQ Est. Conc. 0.00053			EPA 200.8	0.002	0.00004 - 0.00010	0.00100
Silver	mg/L			ND	ND	DNQ Est. Conc. 0.00001			EPA 200.8	0.00025	0.00001 - 0.00002	0.00020
Sodium	mg/L			92.4	104	117			EPA 200.8		0.004 - 0.024	0.20 - 1.00
Sulfate	mg/L			52.9	64.4	73.6			EPA 300.0		0.020 - 0.120	2.00 - 2.50
Surfactant (MBAS)	mg/L			ND	ND	ND			SM 5540C		0.03	0.10
Technical Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	°C	21.8	20.3	18.4	22.3	27.2			EPA 170.1 (oC)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
Thallium	mg/L			ND	ND	ND			EPA 200.8	0.001	0.00001 - 0.00002	0.00025
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Total BOD	mg/L	ND	ND	ND	0.43	5.1	30(2)	10	SM 5210B		0.6	3
Total Carbonaceous BOD5	mg/L	ND	ND	ND	0.3	4			SM 5210B		0.6	3
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	23/240		SM 9222B		1	1
Total cyanide	ug/L			DNQ Est. Conc. 1.0	ND	DNQ Est. Conc. 1.8			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			389	432	471			SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	3.18	3.92	2.46	4.37	9.95			EPA 351.2		0.135	0.400 - 1.00
Total organic carbon	ug/L			5140	5715	6160			SM 5310C		50	500 - 2500
Total Petroleum Hydrocarbons	ug/L			216	216	216			SW-846 8015B			0.050
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND			SM 2540D		2.5	2.5
Total trihalomethanes	ug/L			4.2	14	20.7			EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.50
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.09 - 0.16	0.50
trans-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.11 - 0.17	0.50
Trichloroacetic acid	ug/L			2.7	5.6	7.7			EPA 552.2		0.22	1.0
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Vanadium	mg/L			0.00400	0.00555	0.00709			EPA 200.8		0.00007 - 0.00014	0.00100
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.26 - 0.37	0.50
Zinc	mg/L			0.0409	0.0725	0.104			EPA 200.8	0.001	0.00060 - 0.00066	0.00100

(1) When discharging to Piute Ponds: Limit is a function of pH, per WQCB Order No. R6V-2002-053A1, Provision II.2.a.

(2) 7-day mean = 15 mg/L.

Lancaster WRP Biosolids Monitoring

Sewage Sludge (Biosolids) Annual Report

EPA Regulations – 503.18, 503.28, 503.48

INSTRUCTIONS

EPA's sewage sludge regulations (40 CFR part 503) require certain POTWs and Class I sewage sludge management facilities to submit to an annual biosolids report. POTWs that must submit an annual report include POTWs with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve 10,000 people or more. This is the biosolids annual report form for POTWs and Class I sewage sludge management facilities in the 42 states and all tribes and territories where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge' also refers to the material that is commonly referred to as 'biosolids.' EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Please note that questions with a (*) are required. Please also note that EPA may contact you after you submit this report for more information regarding your sewage sludge program.

Questions regarding this form should be directed to the NPDES Electronic Reporting Helpdesk at:

- NPDESeReporting@epa.gov OR
- 1-877-227-8965

What action would you like to take? *

New Biosolids Program Report

1. Program Information

Please select the NPDES ID number below for this Sewage Sludge (Biosolids) Annual Report. *

CAL010513: LACSD - LANCASTER WRP

IMPORTANT - If you do not see the NPDES ID associated with your facility (i.e., you only see a blue bar in the above drop down list), you MUST follow the instructions in the "Biosolids User's Guide." A shorter set of instructions to fix this issue are in the "Important Instructions on Accessing Your NPDES ID" document. Both documents are located at: https://epanet.zendesk.com/hc/en-us/sections/207108787-General-Biosolids.

Facility Name: LACSD - LANCASTER WRP

Street: P.O. Box 4998

City: WHITTIER

State: CA

Zip Code: 90607

1.1 Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR 503. The facility is: *

- ☒ a POTW with a design flow rate equal to or greater than one million gallons per day
- ☒ a POTW that serves 10,000 people or more
- ☒ a Class I Sludge Management Facility as defined in 40 CFR 503.9
- ☐ otherwise required to report (e.g., permit condition, enforcement action)
- ☐ none of the above

1.2 Reporting Period Start and End Dates

Start Date of Reporting Period *	End Date of Reporting Period *
01-01-2017	12-31-2017

2. Facility Information

2.1 Biosolids or Sewage Sludge Treatment Processes

Please check the box next to the following biosolids or sewage sludge treatment processes that you used on the sewage sludge or biosolids generated or produced at your facility during the reporting period (check one or more that apply). *

Pathogen Reduction Operations (see Appendix B to Part 503)

Processes to Significantly Reduce Pathogens (PSRP)

- ☐ Aerobic Digestion
- ☒ Air Drying (or "sludge drying beds")
- ☒ Anaerobic Digestion
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization

Processes to Further Reduce Pathogens (PFRP)

- ☐ Higher Temperature Composting
- ☐ Heat Drying (e.g., flash dryer, spray dryer, rotary dryer)
- ☐ Heat Treatment (Liquid sewage sludge is heated to temp. of 356°F (or 180°C) or higher for 30 min.)
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization

Physical Treatment Operations

- ☒ Preliminary Operations (e.g., sludge grinding, degritting, blending)
- ☒ Thickening (e.g., gravity and/or flotation thickening, centrifugation, belt filter press, vacuum filter)
- ☐ Sludge Lagoon

Other Processes to Manage Sewage Sludge

- ☐ Temporary Sludge Storage (sewage sludge stored on land 2 years or less, not in sewage sludge unit)
- ☐ Long-term Sludge Storage (sewage sludge stored on land 2 years or more, not in sewage sludge unit)
- ☒ Methane or Biogas Capture and Recovery
- ☐ Other Treatment Process:

2.2 Biosolids or Sewage Sludge Analytical Methods

EPA regulations specify that representative samples of sewage sludge that is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator must be collected and analyzed. These regulations also specify the analytical methods that must be used to analyze samples of sewage sludge. For example, EPA requires facilities to monitor for the certain parameters, which are listed in Tables 1, 2, 3, and 4 at 40 CFR 503.13 and Tables 1 and 2 40 CFR 503.23. See also 40 CFR 503.8.

Please check the box next to the following analytic methods used on the sewage sludge or biosolids generated or produced by you or your facility during the reporting period (check one or more that apply). *

Parameter	Method Number or Author	Description Text for Certification Section
Pathogens		
Ascaris ova.	☐ Sludge Monitoring - Ascaris ova. ☐ Other Ascaris ova. Analytical Method:	Sludge Monitoring - Ascaris ova., "Test Method for Detecting, Enumerating, and Determining the Viability Ascaris in Sludge (Appendix I)," Control of Pathogens and Vector Attraction in Sewage Sludge", EPA-625-R-92-013, July 2003

Parameter	Method Number or Author	Description Text for Certification Section
Enteric viruses	☐ ASTM Method D4994 - Enteric Viruses	ASTM Method D4994 - Enteric Viruses, "Standard Practice for Recovery of Viruses From Wastewater Sludges," ASTM International
	☐ Other Enteric Viruses Analytical Method:	
Fecal coliform	☐ Standard Method 9222 - Fecal Coliform	Standard Method 9222 - Fecal Coliform, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association [Note: This method is only allowable for Class B sewage sludge]
	☐ Standard Method 9221 - Fecal Coliform	Standard Method 9221 - Fecal Coliform, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ EPA Method 1680 - Fecal Coliform	EPA Method 1680 - Fecal Coliform, "Fecal Coliforms in Sewage Sludge by Multiple-Tube Fermentation using Lauryl Tryptose Broth and EC Medium," EPA-821-R-10-003, April 2010
	☐ EPA Method 1681 - Fecal Coliform	EPA Method 1681 - Fecal Coliform, Fecal Coliforms in Sewage Sludge (Biosolids) by MultipleTube Fermentation using A-1 medium, EPA-821-R-04-027, June 2005
	☐ Other Fecal Coliform Analytical Method:	
Helminth ova.	☐ W.A. Yanko Method - Helminth ova.	W.A. Yanko Method - Helminth Ova., "Occurrence of Pathogens in Distribution and Marketing Municipal Sludges," EPA-600-1-87-014, 1987
	☐ Other Helminth ova. Analytical Method:	
Salmonella sp. Bacteria	☐ Standard Method 9260 - Salmonella	Standard Method 9260 - Salmonella, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ EPA Method 1682 - Salmonella	EPA Method 1682, "Salmonella in Sewage Sludge (Biosolids) by Modified Semisolid Rappaport-Vassiliadis (MSRV) Medium," EPA-821-R-06-014, July 2006
	☐ Kenner and Clark Method - Salmonella	Kenner and Clark Method - Salmonella, “Detection and Enumeration of Salmonella and Pseudomonas aeruginosa,” J. Water Pollution Control Federation, 46(9):2163-2171, 1974
	☐ Other Salmonella sp. Bacteria Analytical Method:	
Total Culturable Viruses	☐ Class A Sludge Monitoring - Total Culturable Viruses	EPA Class A Sludge Monitoring - Total Culturable Viruses, "Method for the Recovery and Assay of Total Culturable Viruses from Sludge (Appendix H)," Control of Pathogens and Vector Attraction in Sewage Sludge, EPA-625-R-92-013, July 2003
	☐ Other Total Culturable Viruses Analytical Method:	
Metals		
Arsenic	☐ EPA Method 6010 - Arsenic (ICP-OES)	EPA Method 6010 - Arsenic (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Arsenic (ICP-MS)	EPA Method 6020 - Arsenic (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Arsenic (GF-AAS)	EPA Method 7010 - Arsenic (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7061 - Arsenic (AA-GH)	EPA Method 7061 - Arsenic (Atomic Absorption - Gaseous Hydride), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Arsenic Analytical Method:	
Beryllium	☐ EPA Method 6010 - Beryllium (ICP-OES)	EPA Method 6010 - Beryllium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 6020 - Beryllium (ICP-MS)	EPA Method 6020 - Beryllium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Beryllium (FAAS)	EPA Method 7000 - Beryllium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Beryllium (GF-AAS)	EPA Method 7010 - Beryllium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Beryllium Analytical Method	

Parameter	Method Number or Author	Description Text for Certification Section
Cadmium	☐ EPA Method 6010 - Cadmium (ICP-OES)	EPA Method 6010 - Cadmium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Cadmium (ICP-MS)	EPA Method 6020 - Cadmium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Cadmium (FAAS)	EPA Method 7000 - Cadmium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Cadmium (GF-AAS)	EPA Method 7010 - Cadmium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7131 - Cadmium (GF-AAS)	EPA Method 7131 - Cadmium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Cadmium Analytical Method:	
Chromium	☐ EPA Method 6010 - Chromium (ICP-OES)	EPA Method 6010 - Chromium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Chromium (ICP-MS)	EPA Method 6020 - Chromium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Chromium (FAAS)	EPA Method 7000 - Chromium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Chromium (GF-AAS)	EPA Method 7010 - Chromium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7191 - Chromium (AA-FT)	EPA Method 7191 - Chromium (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Chromium Analytical Method:	
Copper	☐ EPA Method 6010 - Copper (ICP-OES)	EPA Method 6010 - Copper (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Copper (ICP-MS)	EPA Method 6020 - Copper (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Copper (FAAS)	EPA Method 7000 - Copper (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Copper (GF-AAS)	EPA Method 7010 - Copper (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Copper Analytical Method:	
Lead	☐ EPA Method 6010 - Lead (ICP-OES)	EPA Method 6010 - Lead (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Lead (ICP-MS)	EPA Method 6020 - Lead (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Lead (FAAS)	EPA Method 7000 - Lead (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Lead (GF-AAS)	EPA Method 7010 - Lead (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7421 - Lead (AA-FT)	EPA Method 7421 - Lead (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Lead Analytical Method:	
Mercury	☒ EPA Method 7471 - Mercury (CVAA)	EPA Method 7471 - Mercury in Solid or Semi-Solid Waste (Cold Vapor Atomic Absoprtion), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Mercury Analytical Method:	

Parameter	Method Number or Author	Description Text for Certification Section
Molybdenum	☐ EPA Method 6010 - Molybdenum (ICP-OES)	EPA Method 6010 - Molybdenum (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Molybdenum (ICP-MS)	EPA Method 6020 - Molybdenum (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Molybdenum (FAAS)	EPA Method 7000 - Molybdenum (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Molybdenum (GF-AAS)	EPA Method 7010 - Molybdenum (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7481 - Molybdenum (AA-FT)	EPA Method 7481 - Molybdenum (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Molybdenum Analytical Method:	
Nickel	☐ EPA Method 6010 - Nickel (ICP-OES)	EPA Method 6010 - Nickel (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Nickel (ICP-MS)	EPA Method 6020 - Nickel (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Nickel (FAAS)	EPA Method 7000 - Nickel (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Nickel (GF-AAS)	EPA Method 7010 - Nickel (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Nickel Analytical Method:	
Selenium	☐ EPA Method 6010 - Selenium (ICP-OES)	EPA Method 6010 - Selenium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Selenium (ICP-MS)	EPA Method 6020 - Selenium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Selenium (GF-AAS)	EPA Method 7010 - Selenium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7740 - Selenium (AA-FT)	EPA Method 7741A - Selenium (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7741 - Selenium (AA-GH)	EPA Method 7741 - Selenium (Atomic Absorption - Gaseous Hydride), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Selenium Analytical Method:	
Zinc	☐ EPA Method 6010 - Zinc (ICP-OES)	EPA Method 6010 - Zinc (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Zinc (ICP-MS)	EPA Method 6020 - Zinc (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Zinc (FAAS)	EPA Method 7000 - Zinc (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Zinc (GF-AAS)	EPA Method 7010 - Zinc (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Zinc Analytical Method:	

Nitrogen Compounds

Ammonia Nitrogen	☐ EPA Method 350.1 - Ammonia Nitrogen	EPA Method 350.1 - Ammonia Nitrogen, "Determination of Ammonia Nitrogen by Semi-Automated Colorimetry," August 1993
	☒ Standard Method 4500-NH3 - Ammonia Nitrogen	Standard Method 4500-NH3 - Ammonia Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Ammonia Nitrogen Analytical Method	

Parameter	Method Number or Author	Description Text for Certification Section
Nitrate Nitrogen	☐ EPA Method 9056 - Nitrate Nitrogen (IC)	EPA Method 9056 - Nitrate Nitrogen (Ion Chromatography), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 9210 - Nitrate Nitrogen (ISE)	EPA Method 9210 - Nitrate Nitrogen (Ion-Selective Electrode), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ Other Nitrate Nitrogen Analytical Method:	Standard Method 4500-NO3 - Ammonia Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
Nitrogen	☐ Standard Method 4500-N - Nitrogen	Standard Method 4500-N - Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☒ Other Nitrogen Analytical Method:	Total Nitrogen Calculation
Organic Nitrogen	☒ Standard Method 4500-Norg - Organic Nitrogen	Standard Method 4500-Norg - Organic Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Organic Nitrogen Analytical Method:	
Total Kjeldahl Nitrogen	☐ EPA Method 351.2 - Total Kjeldahl Nitrogen	EPA Method 351.2 - Total Kjeldahl Nitrogen, "Determination of Total Kjeldahl Nitrogen by Semi-Automated Colorimetry," August 1993
	☒ Other Total Kjeldahl Nitrogen Analytical Method:	Standard Method 4500-NH3 - Ammonia Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association

Other Analytes

Fixed Solids	☐ Standard Method 2540 - Fixed Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Fixed Solids Analytical Method:	
Paint Filter Test	☐ EPA Method 9095 - Paint Filter Liquids Test	EPA Method 9095 - Paint Filter Liquids Test, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Paint Filter Test Analytical Method:	

Parameter	Method Number or Author	Description Text for Certification Section
pH	☐ EPA Method 9040 - pH (≤ 7% solids)	EPA Method 9040 - pH (≤ 7% solids), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 9045 - pH (> 7% solids)	EPA Method 9045 - pH (> 7% solids), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ Other pH Analytical Method:	SM 4500 H+
Specific Oxygen Uptake Rate	☐ Standard Method 2710 - SOUR	Standard Method 2710 - Specific Oxygen Uptake Rate, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Specific Oxygen Uptake Rate Analytical Method:	
TCLP	☐ EPA Method 1311 - Toxicity Characteristic Leaching Procedure	EPA Method 1311 - Toxicity Characteristic Leaching Procedure, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other TCLP Analytical Method:	
Temperature	☐ Standard Method 2550 - Temperature	Standard Method 2550 - Temperature, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Temperature Analytical Method:	
Total Solids	☒ Standard Method 2540 - Total Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Total Solids Analytical Method:	
Volatile Solids	☒ Standard Method 2540 - Volatile Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Volatile Solids Analytical Method:	
No Analytical Methods	☐ No Analytical Methods Used	

2.3 What is the estimated total volume of biosolids or sewage sludge produced at your facility for the reporting period (in dry metric tons)? *

1848

3. Biosolids or Sewage Sludge Management

EPA NPDES regulations at 40 CFR 503 only require reporting for land application, surface disposal, or incineration. You have the option to select "Other Management Practice" if you wish to provide more information on how you manage your sewage sludge or biosolids.

Please use the selections below to identify how sewage sludge or biosolids generated or produced at your facility was managed, used, or disposed by you or your facility for the reporting period. You can use the button below to add as many Sewage Sludge Unique Identifier (SSUID) sections as needed to describe how you manage your sewage sludge.

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 001

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Land Application	Off-Site Third-Party Preparer	Distribution and Marketing - Compost

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. “Off-Site Third-Party Handler or Applier” refers to third parties which do not change the quality of the Biosolids. “Off-Site Third-Party Preparer” refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	1848

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *
Nursery Products Hawes Composting Facility

Address *
P.O. Box 1439

City *	State *	Zip Code *
Helendale	California	92342

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *	Last Name *	Title *
Fred	Brutsche	Mr.

Phone (10-digits, No dashes) *	Ext.	E-Mail Address
7602721098		fbrutsche@synagro.com

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Code		Pathogen Reduction Option Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐	B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐	B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐	B22	Class B-Alternative 2 PSRP 2: Air Drying
☒	B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐	B24	Class B-Alternative 2 PSRP 4: Composting
☐	B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐	B3	Class B-Alternative 3: PSRP Equivalency
☐	pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

☒	VR1	Option 1-Volatile Solids Reduction
☐	VR2	Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
☐	VR3	Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
☐	VR4	Option 4-Specific Oxygen Uptake Rate
☐	VR5	Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
☐	VR6	Option 6-Alkaline Treatment
☐	VR7	Option 7-Drying (Equal to or Greater than 75 Percent)
☐	VR8	Option 8-Drying (Equal to or Greater than 90 Percent)
☐	VR9	Option 9-Sewage Sludge Injection
☐	VR10	Option 10-Sewage Sludge Timely Incorporation into Land
☐	VR11	Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

☐ Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).

☐ Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).

☐ Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).

☐ Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).

☐ Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).

☐ Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).

☐ Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).

☐ Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

☒ **Please select this checkbox to continue completing the form.**
If you wish to change the SSUID section(s) above, uncheck this box. *

Biosolids Monitoring Data

INSTRUCTIONS: These monitoring data should be representative of the sewage sludge that was applied to land or placed on a surface disposal site during the reporting year see 40 CFR 503.8(a). This section uses the frequency of monitoring requirements in 40 CFR 503.16 and 503.26. The following codes can be used as data qualifiers: T = Too Numerous to Count, E = Estimated, N = No Data.

Land Application Monthly Sample Table

Sample	Sample Period Start Date	Sample Period End Date
Sample 1 Time Period	01-01-2017	02-28-2017
Sample 2 Time Period	03-01-2017	04-30-2017
Sample 3 Time Period	05-01-2017	06-30-2017
Sample 4 Time Period	07-01-2017	08-31-2017
Sample 5 Time Period	09-01-2017	10-31-2017
Sample 6 Time Period	11-01-2017	12-31-2017

Maximum Pollutant Concentration Data for All Sewage Sludge Applied to Land *

This section summarizes the maximum pollutant concentrations in sewage sludge that was applied to land during the reporting year. In accordance with 40 CFR 503.13(a), EPA's sewage sludge regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13). In order to identify noncompliance, EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13.

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Arsenic	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 10.1	= 9.8	= 7.9	= 7.9	= 6.1	= 6.8

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Cadmium	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 2.3	= 1.9	= 1.8	= 2.2	= 2.3	= 2.0

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Copper	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 472	= 362	= 411	= 530	= 647	= 573

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Lead	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 10.1	= 8.82	= 8.43	= 9.01	= 9.98	= 9.16

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Mercury	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.28	= 1.24	= 0.62	= 1.80	= 0.80	= 0.74

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Molybdenum	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 16.7	= 14.3	= 15.1	= 16.5	= 17.3	= 16.2

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Nickel	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 28.4	= 25.0	= 29.8	= 35.0	= 30.3	= 34.7

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Selenium	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 7.4	= 5.7	= 5.3	= 5.7	= 5.3	= 5.1

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Zinc	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1570	= 1210	= 1310	= 1870	= 2480	= 2250

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Total Nitrogen (TKN plus Nitrate-Nitrite)	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 71439	= 68671	= 62936	= 64937	= 61966	= 58689

Monthly Average Pollutant Concentration Data for All Sewage Sludge Applied to Land *

This section summarizes the monitoring-period average pollutant concentrations in sewage sludge that was applied to land during the reporting year.

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Arsenic	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 10.1	= 9.8	= 7.9	= 7.9	= 6.1	= 6.8

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Cadmium	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 2.3	= 1.9	= 1.8	= 2.2	= 2.3	= 2.0

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Copper	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 472	= 362	= 411	= 530	= 647	= 573

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Lead	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 10.1	= 8.82	= 8.43	= 9.01	= 9.98	= 9.16

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Mercury	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.28	= 1.24	= 0.62	= 1.80	= 0.80	= 0.74

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Nickel	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 28.4	= 25.0	= 29.8	= 35.0	= 30.3	= 34.7

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Selenium	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 7.4	= 5.7	= 5.3	= 5.7	= 5.3	= 5.1

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Zinc	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1570	= 1210	= 1310	= 1870	= 2480	= 2250

Vector Attraction Reduction - Volatile Solids Options (Options 1-3) *

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Solids, total volatile percent removal	Minimum	Percent	CALCTD

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 65	= 71	= 70	= 71	= 68	= 70

Additional Information

Please enter any additional information in the comment box below (limit to 3,900 characters) that you would like to provide.

1. Section 2.2 Analysis: Temperature of anaerobic digester is continuously monitored via thermocouple.
2. Data entered for Maximum Pollutant Loading and Monthly Average Pollutant Concentrations are determined prior to Biosolids leaving the wastewater treatment plant.
3. Reported Biosolids tonnages are based on those leaving the wastewater treatment plant and may differ from those reported Third-Party Handlers/Preparers.
4. Total Nitrogen (mg/kg, average) was calculated by adding NH#-N, Org-N, NO3-N, and NO2-N. When a parameter was non-detect, half of the threshold value was utilized in the summation.
5. NPDES ID for Nursery Products is CAL010500. (Will not save in appropriate field above)

Additional Attachments (maximum size 25 MB)

Certification Information

I certify, under penalty of law, that the information in this report was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Certifier E-Mail *	Form Action *
aheil@lacsd.org	Approve

Long Beach WRP Influent Monitoring

Long Beach Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						DNQ Est. Conc. 0.31		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	DNQ Est. Conc. 0.005						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	1.15						0.63		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	12.9						6.65		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND						ND		
Benzo(b)fluoranthene	ug/L	ND						ND		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND		
Beryllium	ug/L	ND						ND		

Long Beach Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.07 - 0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.09	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.31	EPA 624	2	0.07 - 0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.20 - 0.22	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.4	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3 - 1.6	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	DNQ Est. Conc. 0.005	EPA 608	0.01	0.001 - 0.002	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L				0.63	0.89	1.15	EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L				6.65	9.78	12.9	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.23	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030 - 0.040	0.25

Long Beach Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 16.0						DNQ Est. Conc. 11.8		
BOD5 20°C	mg/L	412	368	369	387	306	343	362	336	339
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.26						DNQ Est. Conc. 0.25		
Bromoform	ug/L	ND						DNQ Est. Conc. 0.23		
Butyl benzyl phthalate	ug/L	DNQ Est. Conc. 4.2						DNQ Est. Conc. 9.5		
Cadmium	ug/L	0.36						DNQ Est. Conc. 0.10		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.17						DNQ Est. Conc. 0.28		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	4.9						2.5		
Chromium VI	ug/L	0.36						0.19		
Chromium, total	ug/L	7.00						1.42		
Chrysene	ug/L	ND						ND		
Copper	ug/L	114			47.8			45.3		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	DNQ Est. Conc. 0.005						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.2						DNQ Est. Conc. 4.7		
Dimethyl phthalate	ug/L	ND						ND		
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	DNQ Est. Conc. 0.27						DNQ Est. Conc. 0.29		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.005						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	4.40			1.28			0.83		
Mercury	ug/L	0.28						0.06		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	DNQ Est. Conc. 0.25						ND		
Methylene chloride	ug/L	0.92						0.60		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	6.37						3.12		
Nitrobenzene	ug/L	ND						ND		
PCB-105	pg/L							150		
PCB-110	pg/L							382(1)		

Long Beach Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 11.8	ND	DNQ Est. Conc. 16.0	EPA 625	5	0.25	20.0
BOD5 20°C	mg/L	342	365	345	306	356	412	SM 5210B		0.6	100 - 200
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.25	ND	DNQ Est. Conc. 0.26	EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.23	EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 9.5	EPA 625	10	0.16	100
Cadmium	ug/L				DNQ Est. Conc. 0.10	0.18	0.36	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.03	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.28	EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L				2.5	3.7	4.9	EPA 624	2	0.09 - 0.18	0.50
Chromium VI	ug/L				0.19	0.28	0.36	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				1.42	4.21	7.00	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L	40.7			40.7	62.0	114	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Dieldrin	ug/L				ND	ND	DNQ Est. Conc. 0.005	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 4.7	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L				DNQ Est. Conc. 0.27	ND	DNQ Est. Conc. 0.29	EPA 624	2	0.12 - 0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.005	EPA 608	0.02	0.0009 - 0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L	0.60			0.60	1.8	4.40	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L				0.06	0.2	0.28	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	DNQ Est. Conc. 0.25	EPA 624	2	0.06 - 0.19	0.50
Methylene chloride	ug/L				0.60	0.76	0.92	EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.12	0.020 - 50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.14	0.020 - 50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	ug/L				3.12	4.75	6.37	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0
PCB-105	pg/L				150	150	150	EPA 1668		8.7	23
PCB-110	pg/L				382(1)	382(1)	382(1)	EPA 1668			

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Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-114	pg/L							DNQ Est. Conc. 9.9		
PCB-118	pg/L							340(1)		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-128/166	pg/L							DNQ Est. Conc. 36		
PCB-129/138/163	pg/L							DNQ Est. Conc. 390(1)		
PCB-135/151	pg/L							DNQ Est. Conc. 120		
PCB-147/149	pg/L							DNQ Est. Conc. 280(1)		
PCB-153/168	pg/L							DNQ Est. Conc. 340(1)		
PCB-156/157	pg/L							50		
PCB-158	pg/L							DNQ Est. Conc. 36		
PCB-167	pg/L							DNQ Est. Conc. 14		
PCB-169	pg/L							DNQ Est. Conc. 6.0		
PCB-170	pg/L							DNQ Est. Conc. 100		
PCB-177	pg/L							DNQ Est. Conc. 70		
PCB-18/30	pg/L							DNQ Est. Conc. 87		
PCB-180/193	pg/L							DNQ Est. Conc. 300		
PCB-183	pg/L							DNQ Est. Conc. 74		
PCB-187	pg/L							DNQ Est. Conc. 96		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 71		
PCB-20/28	pg/L							DNQ Est. Conc. 170		
PCB-201	pg/L							DNQ Est. Conc. 13		
PCB-206	pg/L							DNQ Est. Conc. 93		
PCB-37	pg/L							DNQ Est. Conc. 51		
PCB-44/47/65	pg/L							DNQ Est. Conc. 280(1)		
PCB-49/69	pg/L							DNQ Est. Conc. 130(1)		
PCB-52	pg/L							390(1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 370(1)		
PCB-66	pg/L							DNQ Est. Conc. 160		
PCB-77	pg/L							DNQ Est. Conc. 18		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 300		
PCB-90/101/113	pg/L							DNQ Est. Conc. 420(1)		
PCB-99	pg/L							DNQ Est. Conc. 160		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	57.1						56.6		
pH	SU	7.6	7.6	7.6	7.5	7.5	7.6	7.5	7.3	7.3
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L	ND						ND		
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L							0.001310		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.89			1.07			DNQ Est. Conc. 0.70		
Silver	ug/L	0.88						DNQ Est. Conc. 0.11		
Tetrachloroethene	ug/L	DNQ Est. Conc. 0.32						0.73		
Thallium	ug/L	DNQ Est. Conc. 0.015						ND		
Toluene	ug/L	2.2						1.6		
Total cyanide	mg/L	DNQ Est. Conc. 0.0016						ND		
Total suspended solids	mg/L	577	404	393	403	291	357	417	282	300
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	343			116			99.2		

Long Beach Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-114	pg/L				DNQ Est. Conc. 9.9	ND	DNQ Est. Conc. 9.9	EPA 1668		6.9	23
PCB-118	pg/L				340(1)	340	340(1)	EPA 1668		6.6	23
PCB-123	pg/L				ND	ND	ND	EPA 1668		6.9	23
PCB-126	pg/L				ND	ND	ND	EPA 1668		6.7	23
PCB-128/166	pg/L				DNQ Est. Conc. 36	ND	DNQ Est. Conc. 36	EPA 1668		3.3	460
PCB-129/138/163	pg/L				DNQ Est. Conc. 390(1)	ND	DNQ Est. Conc. 390(1)	EPA 1668		3.5	680
PCB-135/151	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		3.7	460
PCB-147/149	pg/L				DNQ Est. Conc. 280(1)	ND	DNQ Est. Conc. 280(1)	EPA 1668		3.6	460
PCB-153/168	pg/L				DNQ Est. Conc. 340(1)	ND	DNQ Est. Conc. 340(1)	EPA 1668		3.1	460
PCB-156/157	pg/L				50	50	50	EPA 1668		5.2	46
PCB-158	pg/L				DNQ Est. Conc. 36	ND	DNQ Est. Conc. 36	EPA 1668		2.8	230
PCB-167	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		3.3	23
PCB-169	pg/L				DNQ Est. Conc. 6.0	ND	DNQ Est. Conc. 6.0	EPA 1668		3.4	23
PCB-170	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		2.1	230
PCB-177	pg/L				DNQ Est. Conc. 70	ND	DNQ Est. Conc. 70	EPA 1668		2.1	230
PCB-18/30	pg/L				DNQ Est. Conc. 87	ND	DNQ Est. Conc. 87	EPA 1668		4.4	460
PCB-180/193	pg/L				DNQ Est. Conc. 300	ND	DNQ Est. Conc. 300	EPA 1668		1.7	460
PCB-183	pg/L				DNQ Est. Conc. 74	ND	DNQ Est. Conc. 74	EPA 1668		1.6	230
PCB-187	pg/L				DNQ Est. Conc. 96	ND	DNQ Est. Conc. 96	EPA 1668		2.7	230
PCB-189	pg/L				ND	ND	ND	EPA 1668		4.9	23
PCB-194	pg/L				DNQ Est. Conc. 71	ND	DNQ Est. Conc. 71	EPA 1668		6.4	230
PCB-20/28	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		32	460
PCB-201	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		2.4	230
PCB-206	pg/L				DNQ Est. Conc. 93	ND	DNQ Est. Conc. 93	EPA 1668		6.5	230
PCB-37	pg/L				DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51	EPA 1668		33	230
PCB-44/47/65	pg/L				DNQ Est. Conc. 280(1)	ND	DNQ Est. Conc. 280(1)	EPA 1668		1.5	680
PCB-49/69	pg/L				DNQ Est. Conc. 130(1)	ND	DNQ Est. Conc. 130(1)	EPA 1668		1.3	460
PCB-52	pg/L				390(1)	390	390(1)	EPA 1668		1.6	230
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 370(1)	ND	DNQ Est. Conc. 370(1)	EPA 1668		4.3	910
PCB-66	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		4.5	230
PCB-77	pg/L				DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		5.1	23
PCB-81	pg/L				ND	ND	ND	EPA 1668		3.8	23
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 300	ND	DNQ Est. Conc. 300	EPA 1668		7.4	1400
PCB-90/101/113	pg/L				DNQ Est. Conc. 420(1)	ND	DNQ Est. Conc. 420(1)	EPA 1668		7.5	680
PCB-99	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		6.9	230
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Phenol	ug/L				56.6	56.9	57.1	EPA 625	1	0.14	10.0
pH	SU	7.3	7.5	7.4	7.3	7.5	7.6	SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L				ND	ND	ND	EPA 608			
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L				0.001310	0.001310	0.001310	EPA 1668			
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L	DNQ Est. Conc. 0.63			DNQ Est. Conc. 0.63	0.74	1.89	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				DNQ Est. Conc. 0.11	0.44	0.88	EPA 200.8	0.25	0.01 - 0.02	0.20
Tetrachloroethene	ug/L				DNQ Est. Conc. 0.32	0.37	0.73	EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L				ND	ND	DNQ Est. Conc. 0.015	EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L				1.6	1.9	2.2	EPA 624	2	0.06 - 0.19	0.50
Total cyanide	mg/L				ND	ND	DNQ Est. Conc. 0.0016	SM 4500 CN E	0.005	0.0010	0.0050
Total suspended solids	mg/L	296	320	314	282	363	577	SM 2540D		2.5	50.0 - 125
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.16	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L	69.8			69.8	157	343	EPA 200.8	1	0.60	1.00 - 5.00

(1) Compound found in the blank and sample

Long Beach WRP Effluent Monitoring

Long Beach Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3-Trichloropropane	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 1.5						ND(1)			
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 0.61						ND(1)			
1,2,3,4,7,8-HexaCDD	pg/L	ND						DNQ Est. Conc. 1.5			
1,2,3,4,7,8-HexaCDF	pg/L	ND						ND			
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND(1)			
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND			
1,2,3,6,7,8-HexaCDF	pg/L	ND						ND			
1,2,3,7,8-PentaCDD	pg/L	ND						ND			
1,2,3,7,8-PentaCDF	pg/L	ND						ND			
1,2,3,7,8,9-HexaCDD	pg/L	ND						ND			
1,2,3,7,8,9-HexaCDF	pg/L	ND						ND(1)			
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						DNQ Est. Conc. 0.09			
1,4-Dioxane	ug/L	1.6						1.6			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND(1)			
2,3,4,7,8-PentaCDF	pg/L	ND						ND			
2,3,7,8-TCDD	pg/L	ND						ND			
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 0.53						ND			
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	ND						ND			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
4,4'-DDT	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	3.45	1.86	0.942	1.08	0.516	0.931	1.15	1.16	1.28	0.789
Anthracene	ug/L	ND						ND			
Antimony	ug/L	0.54			0.50			0.55			ND
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			

Long Beach Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.07 - 0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND(1)	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.18 - 0.52	51 - 56
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND(1)	ND	DNQ Est. Conc. 0.61			EPA 1613B		0.12 - 0.31	51 - 56
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.13 - 0.44	51 - 56
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.17 - 0.44	51 - 56
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND(1)	ND	ND			EPA 1613B		0.15 - 0.35	51 - 56
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.14 - 0.46	51 - 56
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.15 - 0.44	51 - 56
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.18 - 1.0	51 - 56
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.15 - 0.63	51 - 56
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.11 - 0.39	51 - 56
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.14 - 0.34	51 - 56
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.09	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	DNQ Est. Conc. 0.09			EPA 624	2	0.07 - 0.16	0.50
1,4-Dioxane	ug/L			1.6	1.6	1.6			SW-846 8270MOD 1,4-Dioxane		0.05	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.13 - 0.36	51 - 56
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.14 - 0.68	51 - 56
2,3,7,8-TCDD	pg/L			ND	ND	ND			EPA 1613B		0.17 - 0.82	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 0.53			EPA 1613B		0.11 - 0.54	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.4	10.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.002 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3 - 1.6	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.949	1.07	0.516	1.26	3.45	7.9	4.1	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L			ND	0.40	0.55			EPA 200.8	0.5	0.07 - 0.32	0.50 - 2.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05

Long Beach Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	1.55			2.55			2.88			DNQ Est. Conc. 3.75
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	ug/L	ND			ND			ND			ND
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 0.38						ND			
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.30	0.31	0.30	0.35	0.31	0.33	0.30	0.31	0.31	0.32
Bromodichloromethane	ug/L	12.2						17.0			
Bromoform	ug/L	DNQ Est. Conc. 0.41						0.91			
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	ND			ND			ND			ND
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L		135	134	122	128	117	133	133	142	147
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	3.3						7.1			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	27.2						23.5			
Chromium III	ug/L	ND			ND			ND			ND
Chromium VI	ug/L	DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.04			DNQ Est. Conc. 0.04			0.08
Chromium, total (24-hr composite)	mg/L	DNQ Est. Conc. 0.00028			DNQ Est. Conc. 0.00024			DNQ Est. Conc. 0.00030			0.00278
Chromium, total (Grab)	ug/L	DNQ Est. Conc. 0.32			DNQ Est. Conc. 0.31			DNQ Est. Conc. 0.35			DNQ Est. Conc. 0.38
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	1.19	2.47	1.96	1.71	1.87	2.31	2.63	1.89	2.08	DNQ Est. Conc. 2.34
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Diazinon	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ug/L	ND						DNQ Est. Conc. 0.004			
Diethyl phthalate	ug/L	ND						ND			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	5.8		7.4	7.1	7.1	6.9	7.1	7.0	7.2	7.0
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.574			0.697			0.621			0.559
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.005						ND			
Gross alpha radioactivity	pCi/L	ND			0.561			2.27			3.47
Gross beta radioactivity	pCi/L	6.15			7.90			9.62			10.0
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Long Beach Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L			DNQ Est. Conc. 3.75	1.75	2.88			EPA 200.8	2	0.14 - 0.15	1.00 - 5.00
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25 - 1.2
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.38			EPA 625	5	0.25	2.0
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3 - 4
Boron	mg/L	0.31	0.32	0.30	0.31	0.35			EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L			12.2	14.6	17.0			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L			DNQ Est. Conc. 0.41	0.46	0.91			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	ug/L			ND	ND	ND			EPA 200.8	0.25	0.030 - 0.031	0.20 - 1.0
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Chloride	mg/L	157	155	117	137	157			EPA 300.0		0.030 - 0.190	8.00 - 10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L			3.3	5.2	7.1			EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L			23.5	25.4	27.2			EPA 624	2	0.09 - 0.18	0.50
Chromium III	ug/L			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L			DNQ Est. Conc. 0.02	0.02	0.08			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total (24-hr composite)	mg/L			DNQ Est. Conc. 0.00024	0.00070	0.00278			EPA 200.8	0.0005	0.00011	0.00050 - 0.00250
Chromium, total (Grab)	ug/L			DNQ Est. Conc. 0.31	ND	DNQ Est. Conc. 0.38			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Copper	ug/L	2.20	1.60	DNQ Est. Conc. 2.34	1.83	2.63	20(2)/27(3)	18(2)	EPA 200.8	0.5	0.11 - 0.16	0.50 - 2.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004	0.05
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dieldrin	ug/L			ND	ND	DNQ Est. Conc. 0.004			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	7.2	7.8	5.8	7.1	7.8			HACH 10360 LDO & SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.12 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Fluoride	mg/L			0.559	0.613	0.697			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.005			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L			ND	1.58	3.47			EPA 900.0		1.17 - 1.71	1.17 - 1.71
Gross beta radioactivity	pCi/L			6.15	8.42	10.0			EPA 900.0		0.955 - 1.20	0.955 - 1.20
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.75	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020

Long Beach Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.09	DNQ Est. Conc. 0.12
Mercury	ug/L	0.00063			DNQ Est. Conc. 0.00037				0.00077		0.0012
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	1.2	1.1	0.81	0.97	0.72	0.44	0.26	0.38	0.18	0.19
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	1.06			1.23			1.34			DNQ Est. Conc. 1.25
Nitrate + nitrite as nitrogen	mg/L	7.83	7.71	7.73	6.37	7.94	7.44	6.06	7.05	4.55	5.70
Nitrate as nitrogen	mg/L	7.25	7.39	7.57	6.22	7.78	7.34	6.01	7.00	4.50	5.68
Nitrite as nitrogen	mg/L	0.582	0.318	0.16	0.153	0.157	0.096	0.049	0.048	0.052	ND
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	DNQ Est. Conc. 13						ND(1)			
OctaCDF	pg/L	DNQ Est. Conc. 2.9						ND(1)			
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	1.51	3.64	3.58	2.10	3.82	1.83	2.31	0.860	1.80	1.39
PCB-105	pg/L							DNQ Est. Conc. 3.3			
PCB-110/115	pg/L							ND(1)			
PCB-114	pg/L							ND			
PCB-118	pg/L							ND(1)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-128/166	pg/L							ND			
PCB-129/138/163	pg/L							ND(1)			
PCB-135/151	pg/L							DNQ Est. Conc. 2.9			
PCB-147/149	pg/L							ND(1)			
PCB-153/168	pg/L							ND(1)			
PCB-156/157	pg/L							DNQ Est. Conc. 1.7			
PCB-158	pg/L							ND			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							DNQ Est. Conc. 2.2			
PCB-177	pg/L							ND			
PCB-18/30	pg/L							DNQ Est. Conc. 13			
PCB-180/193	pg/L							DNQ Est. Conc. 5.0			
PCB-183	pg/L							DNQ Est. Conc. 2.0			
PCB-187	pg/L							DNQ Est. Conc. 3.5			
PCB-189	pg/L							ND			
PCB-194	pg/L							DNQ Est. Conc. 3.6			
PCB-20/28	pg/L							DNQ Est. Conc. 15			
PCB-201	pg/L							ND			
PCB-206	pg/L							DNQ Est. Conc. 9.0			
PCB-37	pg/L							DNQ Est. Conc. 3.2			
PCB-44/47/65	pg/L							ND(1)			
PCB-49/69	pg/L							DNQ Est. Conc. 4.5(1)			
PCB-52	pg/L							DNQ Est. Conc. 17(1)			
PCB-61/70/74/76	pg/L							ND(1)			
PCB-66	pg/L							DNQ Est. Conc. 4.5			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 9.1(1)			
PCB-90/101/113	pg/L							ND			
PCB-99	pg/L							DNQ Est. Conc. 3.4			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.42						0.38			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	ND						DNQ Est. Conc. 0.25			
pH	SU	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L	ND						ND			
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L							ND			

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.06	ND	DNQ Est. Conc. 0.12	106(3)		EPA 200.8	0.5	0.01 - 0.03	0.25 - 1.25
Mercury	ug/L			DNQ Est. Conc. 0.00037	0.00065	0.0012			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.12 - 0.21	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.12	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.36	0.25	0.18	0.57	1.2			EPA 1625 (Modified)	5	0.0005 - 0.0050	0.0040 - 0.020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L			DNQ Est. Conc. 1.25	0.908	1.34			EPA 200.8	1	0.12	1.00 - 5.00
Nitrate + nitrite as nitrogen	mg/L	5.06	4.73	4.55	6.51	7.94		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	5.00	4.69	4.50	6.37	7.78			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.056	0.041	ND	0.14	0.582		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L			ND(1)	ND	DNQ Est. Conc. 13			EPA 1613B		0.21 - 0.48	100 - 110
OctaCDF	pg/L			ND(1)	ND	DNQ Est. Conc. 2.9			EPA 1613B		0.20 - 0.38	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.5 - 4.8
Organic nitrogen	mg/L	1.39	2.69	0.860	2.24	3.82			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
PCB-105	pg/L			DNQ Est. Conc. 3.3	ND	DNQ Est. Conc. 3.3			EPA 1668		1.1	21
PCB-110/115	pg/L			ND(1)	ND	ND(1)			EPA 1668		1.1	420
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-118	pg/L			ND(1)	ND	ND(1)			EPA 1668		1.0	21
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		1.1	420
PCB-129/138/163	pg/L			ND(1)	ND	ND(1)			EPA 1668		1.1	620
PCB-135/151	pg/L			DNQ Est. Conc. 2.9	ND	DNQ Est. Conc. 2.9			EPA 1668		1.2	420
PCB-147/149	pg/L			ND(1)	ND	ND(1)			EPA 1668		1.2	420
PCB-153/168	pg/L			ND(1)	ND	ND(1)			EPA 1668		0.98	420
PCB-156/157	pg/L			DNQ Est. Conc. 1.7	ND	DNQ Est. Conc. 1.7			EPA 1668		1.1	42
PCB-158	pg/L			ND	ND	ND			EPA 1668		0.89	210
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.76	21
PCB-169	pg/L			ND	ND	ND			EPA 1668		0.76	21
PCB-170	pg/L			DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 2.2			EPA 1668		0.76	210
PCB-177	pg/L			ND	ND	ND			EPA 1668		0.77	210
PCB-18/30	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		1.4	420
PCB-180/193	pg/L			DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0			EPA 1668		0.63	420
PCB-183	pg/L			DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.0			EPA 1668		0.59	210
PCB-187	pg/L			DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5			EPA 1668		1.3	210
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-194	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6			EPA 1668		1.8	210
PCB-20/28	pg/L			DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15			EPA 1668		1.4	420
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.78	210
PCB-206	pg/L			DNQ Est. Conc. 9.0	ND	DNQ Est. Conc. 9.0			EPA 1668		2.5	210
PCB-37	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668		1.1	210
PCB-44/47/65	pg/L			ND(1)	ND	ND(1)			EPA 1668		0.83	620
PCB-49/69	pg/L			DNQ Est. Conc. 4.5(1)	ND	DNQ Est. Conc. 4.5(1)			EPA 1668		0.73	420
PCB-52	pg/L			DNQ Est. Conc. 17(1)	ND	DNQ Est. Conc. 17(1)			EPA 1668		0.89	210
PCB-61/70/74/76	pg/L			ND(1)	ND	ND(1)			EPA 1668		1.1	830
PCB-66	pg/L			DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 4.5			EPA 1668		1.2	210
PCB-77	pg/L			ND	ND	ND			EPA 1668		1.0	21
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 9.1(1)	ND	DNQ Est. Conc. 9.1(1)			EPA 1668		1.2	1200
PCB-90/101/113	pg/L			ND	ND	ND			EPA 1668		1.2	620
PCB-99	pg/L			DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668		1.1	210
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38	1.0
Perchlorate	ug/L			0.38	0.40	0.42			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.25			EPA 625	1	0.14	1.0
pH	SU	7.5	7.5	7.4	7.5	7.6			SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L			ND	ND	ND			EPA 608			
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L			ND	ND	ND			EPA 1668			

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Pyrene	ug/L	ND						ND			
Selenium	ug/L	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.56	DNQ Est. Conc. 0.50	DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.37	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.21
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	ND			0.244			ND			0.426
Sulfate	mg/L	91.6	94.5	93.1	84.8	76.7	76.9	82.8	72.9	82.6	79.5
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Temperature	Degrees F	73.6	74.1	75.5	77.6	78.9	80.7	83.2	84.6	84.4	83.0
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND			ND			ND			ND
Toluene	ug/L	ND						ND			
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND			ND			ND
Total coliform	No./100mL	ND	1	1	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	ND			ND			DNQ Est. Conc. 1.6			ND
Total dissolved solids	mg/L	646	693	682	610	592	597	597	588	656	650
Total hardness (CaCO3)	mg/L	173	163	275	138	151	166	162	161	171	192
Total Kjeldahl Nitrogen (TKN)	mg/L	4.96	5.50	4.52	3.18	4.34	2.76	3.46	2.02	3.08	2.18
Total nitrogen	mg/L	13.0	13.2	12.7	9.55	13.7	10.2	9.52	9.07	7.63	7.88
Total phosphorus	mg/L	0.132	0.336	0.106	0.098	0.124	0.132	0.162	0.141	0.162	0.215
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ug/L	ND						ND			
Toxic equivalence	pg/L	ND						ND			
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			
Tritium	pCi/L	ND			ND			ND			177
Turbidity (flow proportioned avg daily value)	NTU	0.71	0.77	0.62	0.55	0.51	0.53	0.52	0.56	0.52	0.85
Uranium	pCi/L	0.260			0			0.438			0
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	28.0	30.8	33.6	32.9	28.5	33.6	35.2	61.9	30.0	34.1

Long Beach Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	ug/L	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.56	7.5	4.3	EPA 200.8	2	0.04 - 0.10	1.00 - 5.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.01 - 0.02	0.20 - 1.00
Strontium-90	pCi/L			ND	0.168	0.426			EPA 905.0		0.312 - 0.540	0.312 - 0.540
Sulfate	mg/L	95.5	89.2	72.9	85.0	95.5			EPA 300.0		0.020 - 0.120	2.00 - 2.50
Surfactant (CTAS)	mg/L	0.14	ND	ND	0.012	0.14			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND			SM 5540C		0.03	0.10
Temperature	Degrees F	80.2	76.6	73.6	79.4	84.6	86(4)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25 - 1.2
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Total chlorinated hydrocarbons (TICH)	ug/L			ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	0.2	1	23(5)		SM 9222B		1	1
Total cyanide	ug/L			ND	ND	DNQ Est. Conc. 1.6			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	676	631	588	635	693			SM 2540C		2.7	50.0 - 83.3
Total hardness (CaCO3)	mg/L	198	186	138	178	275			EPA 200.8 & SM 2340C		0.01	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.34	3.76	2.02	3.51	5.50			EPA 351.2		0.135	0.400
Total nitrogen	mg/L	7.40	8.49	7.40	10.2	13.7			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.128	0.109	0.098	0.15	0.336			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5 - 4.2
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.09 - 0.16	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L			ND	44.3	177			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.44	0.50	0.44	0.59	0.85	2		SM 2130B		0.12	0.12
Uranium	pCi/L			0	0.175	0.438			EPA 908.0		0.300 - 0.470	0.300 - 0.470
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L	37.2	35.4	28.0	35.1	61.9	156(3)		EPA 200.8	1	0.60 - 0.66	1.00 - 5.00

(1) Compound found in the blank and sample

(2) Dry weather limits apply when the maximum daily flow in Coyote Creek is less than 156 cfs as measured at LACDPW flow gauging station F-345R (RSW-007)

(3) Wet weather limits apply when the maximum daily flow in Coyote Creek is equal to or greater than 156 cfs as measured at LACDPW flow gauging station F-345R (RSW-007)

(4) The temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature

(5) The number of total coliform bacteria may not exceed 23/100 mL in more than one sample within any 30-day period

Los Coyotes WRP Influent Monitoring

Los Coyotes Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	DNQ Est. Conc. 0.23						ND		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						DNQ Est. Conc. 0.34		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	1.95						1.99		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	2.96						2.54		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND						ND		
Benzo(b)fluoranthene	ug/L	ND						ND		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND		
Beryllium	ug/L	ND						ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 13.2						DNQ Est. Conc. 8.9		
BOD5 20°C	mg/L	278	306	316	311	350	412	361	353	344
Bromodichloromethane	ug/L	0.76						DNQ Est. Conc. 0.15		
Bromoform	ug/L	0.57						DNQ Est. Conc. 0.30		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	0.24						DNQ Est. Conc. 0.12		

Los Coyotes Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.23	EPA 624	2	0.16 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	DNQ Est. Conc. 0.34	EPA 1613B		0.27 - 0.41	10
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.4	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L				ND	ND	ND	EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.002	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L				1.95	1.97	1.99	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L				2.54	2.75	2.96	EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.23	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 8.9	ND	DNQ Est. Conc. 13.2	EPA 625	5	0.25	20.0
BOD5 20°C	mg/L	316	339	372	278	338	412	SM 5210B		0.6	100 - 150
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.15	0.38	0.76	EPA 624	2	0.14 - 0.17	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.30	0.29	0.57	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Cadmium	ug/L				DNQ Est. Conc. 0.12	0.12	0.24	EPA 200.8	0.25	0.031	0.20

Los Coyotes Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	0.64						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	21.0						6.5		
Chromium VI	ug/L	0.16						DNQ Est. Conc. 0.04		
Chromium, total	ug/L	5.20						2.90		
Chrysene	ug/L	ND						ND		
Copper	mg/L	0.08			0.06			0.06		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 5.7						DNQ Est. Conc. 4.9		
Dimethyl phthalate	ug/L	ND						ND		
Endosulfan II	ug/L	DNQ Est. Conc. 0.002						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	DNQ Est. Conc. 0.26						DNQ Est. Conc. 0.23		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.006						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	2.63						1.23		
Mercury	ug/L	0.15						0.05		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	0.50						ND		
Methylene chloride	ug/L	0.76						0.66		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	6.85						5.71		
Nitrobenzene	ug/L	ND						ND		
PCB-105	pg/L							87 (1)(2)		
PCB-114	pg/L							ND		
PCB-118	pg/L							210 (1)		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 190 (1)		
PCB-158	pg/L							DNQ Est. Conc. 19		
PCB-167	pg/L							DNQ Est. Conc. 8.7		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 65 (1)		
PCB-177	pg/L							DNQ Est. Conc. 47		
PCB-183	pg/L							DNQ Est. Conc. 53 (1)		
PCB-187	pg/L							DNQ Est. Conc. 77		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 35		
PCB-201	pg/L							DNQ Est. Conc. 7.8 (1)(2)		
PCB-206	pg/L							DNQ Est. Conc. 24		
PCB-37	pg/L							DNQ Est. Conc. 37		
PCB-52	pg/L							460 (1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 320 (1)		
PCB-66	pg/L							DNQ Est. Conc. 130 (1)(2)		

Los Coyotes Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.13	0.50
Chlorodibromomethane	ug/L				ND	0.32	0.64	EPA 624	2	0.14 - 0.22	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L				6.5	14	21.0	EPA 624	2	0.14 - 0.18	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.04	0.08	0.16	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				2.90	4.05	5.20	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100
Copper	mg/L	0.09			0.06	0.07	0.09	EPA 200.8	0.0005	0	0
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.9	ND	DNQ Est. Conc. 5.7	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan II	ug/L				ND	ND	DNQ Est. Conc. 0.002	EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.26	EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.006	EPA 608	0.02	0.0009 - 0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L				1.23	1.93	2.63	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.05	0.1	0.15	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	0.25	0.50	EPA 624	2	0.15 - 0.19	0.50
Methylene chloride	ug/L				0.66	0.71	0.76	EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	0.12	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	0.14	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	ug/L				5.71	6.28	6.85	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0
PCB-105	pg/L				87 (1)(2)	ND	87 (1)(2)	EPA 1668		22	22
PCB-114	pg/L				ND	ND	ND	EPA 1668		17	21
PCB-118	pg/L				210 (1)	ND	210 (1)	EPA 1668		17	21
PCB-123	pg/L				ND	ND	ND	EPA 1668		18	21
PCB-126	pg/L				ND	ND	ND	EPA 1668		17	21
PCB-129/138/163	pg/L				DNQ Est. Conc. 190 (1)	ND	DNQ Est. Conc. 190 (1)	EPA 1668		18	620
PCB-158	pg/L				DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668		14	210
PCB-167	pg/L				DNQ Est. Conc. 8.7	ND	DNQ Est. Conc. 8.7	EPA 1668		2.5	21
PCB-169	pg/L				ND	ND	ND	EPA 1668		3.1	21
PCB-170	pg/L				DNQ Est. Conc. 65 (1)	ND	DNQ Est. Conc. 65 (1)	EPA 1668		1.6	210
PCB-177	pg/L				DNQ Est. Conc. 47	ND	DNQ Est. Conc. 47	EPA 1668		1.6	210
PCB-183	pg/L				DNQ Est. Conc. 53 (1)	ND	DNQ Est. Conc. 53 (1)	EPA 1668		1.3	210
PCB-187	pg/L				DNQ Est. Conc. 77	ND	DNQ Est. Conc. 77	EPA 1668		23	210
PCB-189	pg/L				ND	ND	ND	EPA 1668		2.7	21
PCB-194	pg/L				DNQ Est. Conc. 35	ND	DNQ Est. Conc. 35	EPA 1668		3.7	210
PCB-201	pg/L				DNQ Est. Conc. 7.8 (1)(2)	ND	DNQ Est. Conc. 7.8 (1)(2)	EPA 1668		1.8	210
PCB-206	pg/L				DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24	EPA 1668		3.8	210
PCB-37	pg/L				DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37	EPA 1668		14	210
PCB-52	pg/L				460 (1)	ND	460 (1)	EPA 1668		1.9	210
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 320 (1)	ND	DNQ Est. Conc. 320 (1)	EPA 1668		13	830
PCB-66	pg/L				DNQ Est. Conc. 130 (1)(2)	ND	DNQ Est. Conc. 130 (1)(2)	EPA 1668		14	210

Los Coyotes Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 210		
PCB-90/101/113	pg/L							DNQ Est. Conc. 300		
PCB-99	pg/L							DNQ Est. Conc. 100		
PCB110/115	pg/L							DNQ Est. Conc. 290 (1)		
PCB128/166	pg/L							ND		
PCB135/151	pg/L							DNQ Est. Conc. 61		
PCB147/149	pg/L							DNQ Est. Conc. 110 (1)		
PCB153/168	pg/L							DNQ Est. Conc. 200 (1)		
PCB156/157	pg/L							DNQ Est. Conc. 29		
PCB18/30	pg/L							DNQ Est. Conc. 88 (1)		
PCB180/193	pg/L							DNQ Est. Conc. 190 (1)		
PCB20/28	pg/L							DNQ Est. Conc. 160 (1)		
PCB44/47/65	pg/L							DNQ Est. Conc. 360 (1)		
PCB49/69	pg/L							DNQ Est. Conc. 120 (1)		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	37.1						45.4		
pH	SU	7.8	7.6	7.4	7.3	7.4	7.3	7.5	7.2	7.3
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L	ND						ND		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.88						1.32		
Silver	ug/L	0.62						0.42		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	3.4						4.0		
Total cyanide	mg/L	ND						DNQ Est. Conc. 0.0013		
Total suspended solids	mg/L	323	320	320	414	459	649	347	346	512
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	155						115		

Los Coyotes Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-77	pg/L				ND	ND	ND	EPA 1668		18	21
PCB-81	pg/L				ND	ND	ND	EPA 1668		12	21
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 210	ND	DNQ Est. Conc. 210	EPA 1668		18	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 300	ND	DNQ Est. Conc. 300	EPA 1668		19	620
PCB-99	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		17	210
PCB110/115	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		16	410
PCB128/166	pg/L				ND	ND	ND	EPA 1668		17	410
PCB135/151	pg/L				DNQ Est. Conc. 61	ND	DNQ Est. Conc. 61	EPA 1668		19	410
PCB147/149	pg/L				DNQ Est. Conc. 110 (1)	ND	DNQ Est. Conc. 110 (1)	EPA 1668		19	410
PCB153/168	pg/L				DNQ Est. Conc. 200 (1)	ND	DNQ Est. Conc. 200 (1)	EPA 1668		16	410
PCB156/157	pg/L				DNQ Est. Conc. 29	ND	DNQ Est. Conc. 29	EPA 1668		4.3	41
PCB18/30	pg/L				DNQ Est. Conc. 88 (1)	ND	DNQ Est. Conc. 88 (1)	EPA 1668		3.2	410
PCB180/193	pg/L				DNQ Est. Conc. 190 (1)	ND	DNQ Est. Conc. 190 (1)	EPA 1668		1.3	410
PCB20/28	pg/L				DNQ Est. Conc. 160 (1)	ND	DNQ Est. Conc. 160 (1)	EPA 1668		13	410
PCB44/47/65	pg/L				DNQ Est. Conc. 360 (1)	ND	DNQ Est. Conc. 360 (1)	EPA 1668		1.8	620
PCB49/69	pg/L				DNQ Est. Conc. 120 (1)	ND	DNQ Est. Conc. 120 (1)	EPA 1668		1.6	410
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Phenol	ug/L				37.1	41.3	45.4	EPA 625	1	0.14	10.0
pH	SU	7.4	7.3	7.2	7.2	7.4	7.8	SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L				ND	ND	ND	EPA 1668			
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L				1.32	1.60	1.88	EPA 200.8	2	0.04	1.00
Silver	ug/L				0.42	0.52	0.62	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				3.4	3.7	4.0	EPA 624	2	0.08 - 0.19	0.50
Total cyanide	mg/L				ND	ND	DNQ Est. Conc. 0.0013	SM 4500 CN E	0.005	0.0010	0.0050
Total suspended solids	mg/L	334	429	380	320	403	649	SM 2540D		2.5	50.0 - 125
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.25 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L				115	135	155	EPA 200.8	1	0.60	1.00

(1) Compound found in the blank and sample.
(2) Reported blanks were the estimated maximum possible concentration of each analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative criteria and indicates a possible interference.

Los Coyotes WRP Effluent Monitoring

Los Coyotes Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,3-Trichloropropane	ug/L	ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 2.9						ND		
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 1.8						ND		
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.4						ND		
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.3						DNQ Est. Conc. 0.27		
1,2,3,4,7,8,9-HeptaCDF	pg/L	DNQ Est. Conc. 1.8						ND		
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.4						ND		
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.2						DNQ Est. Conc. 0.24		
1,2,3,7,8-PentaCDD	pg/L	DNQ Est. Conc. 1.4						ND		
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.3						ND		
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 1.3						ND		
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 1.8						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
1,4-Dioxane	ug/L	2.1						2.2		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.5						ND		
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.2						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 0.60						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.34						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	4.44	1.79	1.71	3.46	1.14	3.48	1.12	1.50	1.44
Anthracene	ug/L	ND						ND		
Antimony	ug/L	1.05			1.89			2.03		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.0012 - 0.024	0.0050 - 0.10
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND	ND	DNQ Est. Conc. 2.9			EPA 1613B		0.13 - 0.24	51
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.13 - 0.19	51
1,2,3,4,7,8-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.4			EPA 1613B		0.11 - 0.15	51
1,2,3,4,7,8-HexaCDF	pg/L				DNQ Est. Conc. 0.27	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.13 - 0.28	51
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.18 - 0.24	51
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.4			EPA 1613B		0.10 - 0.15	51
1,2,3,6,7,8-HexaCDF	pg/L				DNQ Est. Conc. 0.24	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.12 - 0.26	51
1,2,3,7,8-PentaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.4			EPA 1613B		0.24 - 0.25	51
1,2,3,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.13 - 0.23	51
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.089 - 0.12	51
1,2,3,7,8,9-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.10 - 0.24	51
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
1,4-Dioxane	ug/L				2.1	2.2	2.2			SW-846 8270MOD		0.05	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.098 - 0.22	51
2,3,4,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.15 - 0.23	51
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		0.16 - 0.44	10
2,3,7,8-TetraCDF	pg/L				ND	ND	DNQ Est. Conc. 0.60			EPA 1613B		0.12 - 0.15	10
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L				ND	ND	DNQ Est. Conc. 0.34			EPA 625	10	0.12	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.4	10.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	2.28	1.61	1.26	1.12	2.10	4.44	10.5	5.5	SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L	1.66			1.05	1.66	2.03			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1

Los Coyotes Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	DNQ Est. Conc. 0.70			DNQ Est. Conc. 0.84			DNQ Est. Conc. 0.86		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND		ND	ND
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND		ND	ND
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND		ND	ND
Beryllium	ug/L	ND			ND			ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	ND						ND		
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.34	0.39	0.39	0.43	0.41	0.40	0.38	0.41	0.44
Bromodichloromethane	ug/L	3.4						4.6		
Bromoform	ug/L	DNQ Est. Conc. 0.22						DNQ Est. Conc. 0.19		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	ND			ND			ND		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	166	162	167	169	158	194	199	202	179
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	0.68						0.94		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	11.1						12.8		
Chromium III	ug/L	0.87			0.66			0.68		
Chromium VI	ug/L	ND			DNQ Est. Conc. 0.04			DNQ Est. Conc. 0.03		
Chromium, total	ug/L	0.87			0.66			0.68		
Chromium, total (24-hr composite)	ug/L	DNQ Est. Conc. 0.48			0.56			0.74		
Chrysene	ug/L	ND	ND	ND	ND	ND	ND		ND	ND
Copper	ug/L	1.50	2.62	1.66	1.77	1.53	2.69	1.28	1.43	1.47
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND		ND	ND
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						ND		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	7.7	8.5	7.3	8.0	7.0	7.8	7.5	7.5	7.6
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
Fluoride	mg/L	0.444			0.457			0.490		
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.003						ND		
Gross alpha radioactivity	pCi/L	1.57			3.41			0.626		
Gross beta radioactivity	pCi/L	6.34			7.97			2.53		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		

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Parameter	Units	October	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Aroclor 1248	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L				ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L	DNQ Est. Conc. 0.87			DNQ Est. Conc. 0.70	ND	DNQ Est. Conc. 0.87			EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Beryllium	ug/L	ND			ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625	5	0.25	2.0
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	2 - 3
Boron	mg/L	0.36	0.45	0.42	0.34	0.40	0.45			EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L				3.4	4.0	4.6			EPA 624	2	0.14 - 0.17	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.22			EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	ug/L	ND			ND	ND	ND			EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	189	167	171	158	177	202			EPA 300.0		0.030 - 0.190	10.0 - 20.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11 - 0.13	0.50
Chlorodibromomethane	ug/L				0.68	0.81	0.94			EPA 624	2	0.14 - 0.22	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L				11.1	12.0	12.8			EPA 624	2	0.14 - 0.18	0.50
Chromium III	ug/L	0.60			0.60	0.70	0.87			EPA 200.8			0.50
Chromium VI	ug/L	DNQ Est. Conc. 0.04			ND	ND	DNQ Est. Conc. 0.04			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L	0.60			0.60	0.70	0.87			EPA 200.8	0.5	0.11	0.50
Chromium, total (24-hr composite)	ug/L	0.58			DNQ Est. Conc. 0.48	0.47	0.74			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L	ND	ND	ND	DNQ Est. Conc. 0.48	ND	DNQ Est. Conc. 0.48	0.098	0.049	EPA 610	10	0.005	0.020
Copper	ug/L	1.57	1.70	1.79	1.28	1.75	2.69	32	12	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.21	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	7.9	7.9	8.0	7.0	7.7	8.5			HACH10360LDO/SM4500OG		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L				ND	ND	ND			EPA 625	1	0.19	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.18	10.0
Fluoride	mg/L	0.474			0.444	0.466	0.490			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.003			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L	4.23			0.626	2.46	4.23			EPA 900.0		1.03 - 2.62	1.03 - 2.62
Gross beta radioactivity	pCi/L	8.13			2.53	6.24	8.13			EPA 900.0		0.652 - 1.78	0.652 - 1.78
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625	1	0.18	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625	5	0.75	5.0

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Parameter	Units	January	February	March	April	May	June	July	August	September
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND		ND	ND
Isophorone	ug/L	ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.11			DNQ Est. Conc. 0.17			DNQ Est. Conc. 0.07		
Mercury	ug/L	0.0016			0.0013			0.0011		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND		
Methylene chloride	ug/L	ND						ND		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	DNQ Est. Conc. 0.27						DNQ Est. Conc. 0.43		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	2.82			3.50			2.95		
Nitrate + nitrite as nitrogen	mg/L	6.29	5.01	5.18	4.13	4.28	2.75	3.98	3.83	5.00
Nitrate as nitrogen	mg/L	6.13	4.89	4.93	3.83	4.20	2.57	3.90	3.72	4.94
Nitrite as nitrogen	mg/L	0.163	0.116	0.247	0.298	0.081	0.178	0.077	0.110	0.060
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	DNQ Est. Conc. 11						ND		
OctaCDF	pg/L	DNQ Est. Conc. 5.2						ND		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	0.760	1.61	2.35	1.64	1.34	1.62	3.07	1.88	1.08
Orthophosphate-P	mg/L	0.040	0.069	0.078	0.081	0.048	0.675	0.070	0.062	0.074
PCB-105	pg/L							ND		
PCB-114	pg/L							ND		
PCB-118	pg/L							ND (1)		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							ND (1)		
PCB-158	pg/L							ND		
PCB-167	pg/L							ND		
PCB-169	pg/L							ND		
PCB-170	pg/L							ND (1)		
PCB-177	pg/L							ND		
PCB-183	pg/L							ND (1)		
PCB-187	pg/L							ND		
PCB-189	pg/L							ND		
PCB-194	pg/L							ND		
PCB-201	pg/L							ND		
PCB-206	pg/L							ND		
PCB-37	pg/L							DNQ Est. Conc. 5.2		
PCB-52	pg/L							DNQ Est. Conc. 26 (1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 18 (1)		
PCB-66	pg/L							DNQ Est. Conc. 7.4		
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							ND		
PCB-90/101/113	pg/L							DNQ Est. Conc. 15		
PCB-99	pg/L							ND		
PCB110/115	pg/L							DNQ Est. Conc. 15 (1)		
PCB128/166	pg/L							ND		
PCB135/151	pg/L							ND		
PCB147/149	pg/L							ND (1)		
PCB153/168	pg/L							ND (1)		
PCB156/157	pg/L							ND		
PCB18/30	pg/L							DNQ Est. Conc. 16 (1)		
PCB180/193	pg/L							ND (1)		
PCB20/28	pg/L							DNQ Est. Conc. 17 (1)		
PCB44/47/65	pg/L							ND (1)		
PCB49/69	pg/L							DNQ Est. Conc. 8.3		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.19						0.67		
Phenanthrene	ug/L	ND						ND		

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Parameter	Units	October	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	DNQ Est. Conc. 0.13			DNQ Est. Conc. 0.07	ND	DNQ Est. Conc. 0.17			EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.0017			0.0011	0.0014	0.0017			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.08 - 0.12	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
n-Nitrosodimethylamine (NDMA)	ug/L				DNQ Est. Conc. 0.27	ND	DNQ Est. Conc. 0.43			EPA 625	5	0.14	5.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L	3.18			2.82	3.11	3.50			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	4.00	4.31	3.95	2.75	4.39	6.29		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	3.93	4.22	3.87	2.57	4.26	6.13			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.067	0.091	0.075	0.060	0.13	0.298		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L				ND	ND	DNQ Est. Conc. 11			EPA 1613B		0.14 - 0.27	100
OctaCDF	pg/L				ND	ND	DNQ Est. Conc. 5.2			EPA 1613B		0.20 - 0.26	100
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.9
Organic nitrogen	mg/L	ND	1.71	1.72	ND	1.57	3.07			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L	0.084	0.060	0.071	0.040	0.12	0.675			EPA 365.1		0.001	0.030
PCB-105	pg/L				ND	ND	ND			EPA 1668		5.7	21
PCB-114	pg/L				ND	ND	ND			EPA 1668		5.7	21
PCB-118	pg/L				ND (1)	ND	ND (1)			EPA 1668		5.6	21
PCB-123	pg/L				ND	ND	ND			EPA 1668		6.0	21
PCB-126	pg/L				ND	ND	ND			EPA 1668		5.7	21
PCB-129/138/163	pg/L				ND (1)	ND	ND (1)			EPA 1668		7.4	620
PCB-158	pg/L				ND	ND	ND			EPA 1668		5.8	210
PCB-167	pg/L				ND	ND	ND			EPA 1668		1.1	21
PCB-169	pg/L				ND	ND	ND			EPA 1668		1.0	21
PCB-170	pg/L				ND (1)	ND	ND (1)			EPA 1668		0.82	210
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.83	210
PCB-183	pg/L				ND (1)	ND	ND (1)			EPA 1668		0.64	210
PCB-187	pg/L				ND	ND	ND			EPA 1668		9.8	210
PCB-189	pg/L				ND	ND	ND			EPA 1668		5.6	21
PCB-194	pg/L				ND	ND	ND			EPA 1668		7.7	210
PCB-201	pg/L				ND	ND	ND			EPA 1668		1.2	210
PCB-206	pg/L				ND	ND	ND			EPA 1668		9.1	210
PCB-37	pg/L				DNQ Est. Conc. 5.2	ND	DNQ Est. Conc. 5.2			EPA 1668		2.1	210
PCB-52	pg/L				DNQ Est. Conc. 26 (1)	ND	DNQ Est. Conc. 26 (1)			EPA 1668		0.88	210
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 18 (1)	ND	DNQ Est. Conc. 18 (1)			EPA 1668		4.4	820
PCB-66	pg/L				DNQ Est. Conc. 7.4	ND	DNQ Est. Conc. 7.4			EPA 1668		4.6	210
PCB-77	pg/L				ND	ND	ND			EPA 1668		4.5	21
PCB-81	pg/L				ND	ND	ND			EPA 1668		4.6	21
PCB-86/87/97/108/119	pg/L				ND	ND	ND			EPA 1668		6.3	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15			EPA 1668		6.4	620
PCB-99	pg/L				ND	ND	ND			EPA 1668		5.9	210
PCB110/115	pg/L				DNQ Est. Conc. 15 (1)	ND	DNQ Est. Conc. 15 (1)			EPA 1668		5.5	410
PCB128/166	pg/L				ND	ND	ND			EPA 1668		7.0	410
PCB135/151	pg/L				ND	ND	ND			EPA 1668		7.8	410
PCB147/149	pg/L				ND (1)	ND	ND (1)			EPA 1668		7.6	410
PCB153/168	pg/L				ND (1)	ND	ND (1)			EPA 1668		6.4	410
PCB156/157	pg/L				ND	ND	ND			EPA 1668		1.5	41
PCB18/30	pg/L				DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		3.2	410
PCB180/193	pg/L				ND (1)	ND	ND (1)			EPA 1668		0.68	410
PCB20/28	pg/L				DNQ Est. Conc. 17 (1)	ND	DNQ Est. Conc. 17 (1)			EPA 1668		2.1	410
PCB44/47/65	pg/L				ND (1)	ND	ND (1)			EPA 1668		0.83	620
PCB49/69	pg/L				DNQ Est. Conc. 8.3	ND	DNQ Est. Conc. 8.3			EPA 1668		0.73	410
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.38	1.0
Perchlorate	ug/L				0.19	0.43	0.67			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0

Los Coyotes Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Phenol	ug/L	ND						DNQ Est. Conc. 0.21		
pH	SU	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.7	7.7
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L							ND		
Pyrene	ug/L	ND						ND		
Radium 226 + Radium 228	pCi/L									
Selenium	ug/L	DNQ Est. Conc. 0.43			DNQ Est. Conc. 0.37			DNQ Est. Conc. 0.28		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	DNQ Est. Conc. 0.01			ND			ND		
Strontium-90	pCi/L	ND			0.293			ND		
Sulfate	mg/L	142	136	138	145	215	171	167	158	126
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Temperature	Degrees F	73.7	73.9	76.0	78.2	79.8	82.2	84.9	85.4	84.5
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND			ND			ND		
Toluene	ug/L	ND						DNQ Est. Conc. 0.10		
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 1.07			DNQ Est. Conc. 1.23			DNQ Est. Conc. 1.10		
Total Detectable PCBs	ug/L	ND						ND		
Total dissolved solids	mg/L	763	830	797	766	743	927	867	846	780
Total hardness (CaCO3)	mg/L	254	243	357	244	232	271	254	240	240
Total Kjeldahl Nitrogen (TKN)	mg/L	5.20	3.40	4.06	5.10	2.48	5.10	4.19	3.38	2.52
Total nitrogen	mg/L	11.5	8.41	9.24	9.23	6.76	7.85	8.17	7.21	7.52
Total phosphorus	mg/L	0.095	0.121	0.127	0.115	0.092	0.124	0.122	0.098	0.093
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ug/L	ND						ND		
Toxic equivalence	pg/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Tritium	pCi/L	ND			212			425		
Turbidity (flow proportioned avg daily value)	NTU	0.65	0.77	0.73	0.62	0.61	0.71	0.67	0.54	0.46
Uranium	pCi/L	0.765			0.455			0.178		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	43.0			35.2			34.1		

Los Coyotes Water Reclamation Plant
2017 EFF-001A and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Phenol	ug/L				ND	ND	DNQ Est. Conc. 0.21			EPA 625	1	0.14	1.0
pH	SU	7.6	7.6	7.6	7.3	7.6	7.7			SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L				ND	ND	ND			EPA 1668			
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Radium 226 + Radium 228	pCi/L	ND			ND	ND	ND			Drink. H2O Sum Method			1.0
Selenium	ug/L	DNQ Est. Conc. 0.30			DNQ Est. Conc. 0.28	ND	DNQ Est. Conc. 0.43			EPA 200.8	2	0.04 - 0.10	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L	ND			ND	ND	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L	0.847			ND	0.285	0.847			EPA 905.0		0.491 - 1.39	0.491 - 1.39
Sulfate	mg/L	187	134	164	126	157	215			EPA 300.0		0.020 - 0.120	2.50 - 5.00
Surfactant (CTAS)	mg/L	ND	0.17	ND	ND	0.014	0.17			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540C		0.03	0.10
Temperature	Degrees F	82.7	80.8	77.2	73.7	79.9	85.4	86 (2)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L	ND			ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L				ND	ND	DNQ Est. Conc. 0.10			EPA 624	2	0.08 - 0.19	0.50
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	23 (3)		SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 1.49			DNQ Est. Conc. 1.07	ND	DNQ Est. Conc. 1.49	7.0	4.7	SM 4500 CN E	5	1.00	5.00
Total Detectable PCBs	ug/L				ND	ND	ND			EPA 608			
Total dissolved solids	mg/L	935	782	748	743	815	935			SM 2540C		2.7	50.0 - 100
Total hardness (CaCO3)	mg/L	256	254	248	232	258	357			EPA 200.8 & SM 2340C			0.05 - 17
Total Kjeldahl Nitrogen (TKN)	mg/L	2.40	3.32	2.98	2.40	3.68	5.20			EPA 351.2		0.135	0.400 - 1.00
Total nitrogen	mg/L	6.40	7.63	6.93	6.40	8.07	11.5			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.162	0.096	0.097	0.092	0.11	0.162			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.25 - 0.28	0.50
Tritium	pCi/L	ND			ND	159	425			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.66	0.65	0.60	0.46	0.64	0.77	2		SM 2130B		0.12	0.12
Uranium	pCi/L	0.200			0.178	0.400	0.765			EPA 908.0		0.470	0.470
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	39.7			34.1	38.0	43.0			EPA 200.8	1	0.60 - 0.66	1.00

(1) Compound found in the blank and sample.

(2) The temperature of wastes discharged shall not exceed 86 ^{o}F except as a result of external ambient temperature.

(3) The number of total coliform bacteria may not exceed 23/100 mL in one sample within any 30 day period.

Palmdale WRP Influent Monitoring

Palmdale Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethene	ug/L		ND						ND	
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,2-Dichlorobenzene	ug/L		ND						ND	
1,2-Dichloroethane	ug/L		ND						ND	
1,2-Dichloropropane	ug/L		ND						ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2,4-Trichlorobenzene	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene (Total)	ug/L		ND							
1,4-Dichlorobenzene	ug/L		ND						ND	
2-Chloroethyl vinyl ether (mixed)	ug/L		ND						ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND						ND	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		ND						ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4-DDD	ug/L		ND						ND	
4,4-DDE	ug/L		DNQ Est. Conc. 0.003						ND	
4,4'-DDT	ug/L		ND						ND	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		ND						ND	
Aldrin	ug/L		ND						ND	
alpha-Endosulfan	ug/L		ND						ND	
alpha-Hexachlorocyclohexane (BHC)	ug/L		DNQ Est. Conc. 0.003						ND	
Ammonia as nitrogen	mg/L	48.6	44.8	34.5	38.8	44.2	41.7	37.5	33.5	38.6
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.64						1.25	
Arsenic	ug/L		1.26						1.13	
Benzene	ug/L		ND						ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	
Benzo(a)pyrene	ug/L		ND						ND	
Benzo(b)fluoranthene	ug/L		ND						ND	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND						ND	
beta-Endosulfan	ug/L		ND						ND	
beta-Hexachlorocyclohexane	ug/L		ND						ND	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 7.4						DNQ Est. Conc. 9.1	
Bromodichloromethane	ug/L		1.1						0.98	

Palmdale Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.20	100
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.4	100
4,4-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4-DDE	ug/L				ND	ND	DNQ Est. Conc. 0.003	EPA 608	0.05	0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND	ND	DNQ Est. Conc. 0.003	EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	38.4	40.2	59.4	33.5	41.7	59.4	SM 4500 NH3 G		0.020	3.00 - 5.00
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L				0.64	0.95	1.25	EPA 200.8	0.5	0.07 - 0.32	0.50
Arsenic	ug/L				1.13	1.20	1.26	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.23	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030 - 0.040	0.25
beta-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.01
beta-Hexachlorocyclohexane	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 7.4	ND	DNQ Est. Conc. 9.1	EPA 625	5	0.25	20.0
Bromodichloromethane	ug/L				0.98	1.0	1.1	EPA 624	2	0.17	0.50

Palmdale Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Bromoform	ug/L		2.1						0.60	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		DNQ Est. Conc. 0.15						DNQ Est. Conc. 0.15	
Carbon tetrachloride	ug/L		ND						ND	
Chlordane	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chlorodibromomethane	ug/L		2.0						0.79	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		3.1						8.5	
Chromium VI	ug/L		0.17						0.10	
Chromium, total	ug/L		3.98						3.34	
Chrysene	ug/L		ND						ND	
Copper	ug/L		106						99.8	
delta-Hexachlorocyclohexane	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND						ND	
Diesel range organics	ug/L		9590		7830				8740	
Diethyl phthalate	ug/L		DNQ Est. Conc. 5.4						DNQ Est. Conc. 4.4	
Dimethyl phthalate	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Ethylbenzene	ug/L		ND						ND	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
Gasoline range organics	ug/L		ND		ND				ND	
Heptachlor epoxide	ug/L		DNQ Est. Conc. 0.002							
Heptachlor	ug/L		ND						ND	
Hexachlorobenzene	ug/L		ND						ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND						ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Isophorone	ug/L		ND						ND	
Lead	ug/L		0.96						1.11	
Lindane (gamma-Hexachlorocyclohexa	ug/L		DNQ Est. Conc. 0.004						ND	
Mercury	ug/L		0.05							
Methyl bromide (Bromomethane)	ug/L		ND						ND	
Methyl chloride (Chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		0.50						0.96	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		2.89						3.52	
Nitrate as nitrogen	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ug/L		ND						ND	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenols	ug/L		101							
Phenol	ug/L		44.9						34.7	
Pyrene	ug/L		ND						ND	
Selenium	ug/L		DNQ Est. Conc. 0.84						DNQ Est. Conc. 0.66	
Silver	ug/L		0.48						0.41	
Tetrachloroethene	ug/L		ND						ND	
Thallium	ug/L		ND						ND	

Palmdale Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Bromoform	ug/L				0.60	1.4	2.1	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Cadmium	ug/L				DNQ Est. Conc. 0.15	ND	DNQ Est. Conc. 0.15	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.03	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L				0.79	1.4	2.0	EPA 624	2	0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L				3.1	5.8	8.5	EPA 624	2	0.18	0.50
Chromium VI	ug/L				0.10	0.14	0.17	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				3.34	3.66	3.98	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L				99.8	103	106	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-Hexachlorocyclohexane	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L	15000			7830	10290	15000	SW8015 Diesel/Oil Organics		22	500 - 2500
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.4	ND	DNQ Est. Conc. 5.4	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
Gasoline range organics	ug/L	DNQ Est. Conc. 37			ND	ND	DNQ Est. Conc. 37	SW8015 Gas-Range Organics		9	50
Heptachlor epoxide	ug/L				DNQ Est. Conc. 0.002	ND	DNQ Est. Conc. 0.002	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L				0.96	1.0	1.11	EPA 200.8	0.5	0.01 - 0.03	0.25
Lindane (gamma-Hexachlorocyclohexa	ug/L				ND	ND	DNQ Est. Conc. 0.004	EPA 608	0.02	0.001	0.01
Mercury	ug/L				0.05	0.05	0.05	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L				0.50	0.73	0.96	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.12	0.020 - 50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.14	0.020 - 50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	ug/L				2.89	3.21	3.52	EPA 200.8	1	0.12	1.00
Nitrate as nitrogen	mg/L	ND	ND	ND	ND	ND	ND	SM 4500 NO3 F		0.030	0.200
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Phenols	ug/L				101	101	101	EPA 420.1		2	30
Phenol	ug/L				34.7	39.8	44.9	EPA 625	1	0.14	10.0
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L				DNQ Est. Conc. 0.66	ND	DNQ Est. Conc. 0.84	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				0.41	0.45	0.48	EPA 200.8	0.25	0.01 - 0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010 - 0.015	0.25

Palmdale Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Toluene	ug/L		2.3						0.72	
Total BOD5	mg/L	297	310	337	296	293	290	288	304	331
Total COD	mg/L	691	630	641	606	681	682	619	678	753
Total cyanide	ug/L		DNQ Est. Conc. 4.2						ND	
Total dissolved solids	mg/L	476						447		
Total Kjeldahl Nitrogen (TKN)	mg/L	70.0	65.2	53.5	54.0	65.5	60.5	45.2	58.2	58.0
Total trihalomethanes	ug/L		8.3						10.9	
Toxaphene	ug/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND						ND	
Trichloroethene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		377						659	

Palmdale Water Reclamation Plant
2017 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Toluene	ug/L				0.72	1.5	2.3	EPA 624	2	0.19	0.50
Total BOD5	mg/L	390	384	443	288	330	443	SM 5210B		0.4 - 0.6	86 - 120
Total COD	mg/L	764	836	802	606	699	836	SM 5220D (std)		8.5	25.0 - 50.0
Total cyanide	ug/L				ND	ND	DNQ Est. Conc. 4.2	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L				447	462	476	SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	65.0	56.0	80.0	45.2	60.9	80.0	EPA 351.2		0.135	5.00 - 10.0
Total trihalomethanes	ug/L				8.3	9.6	10.9	EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L				377	518	659	EPA 200.8	1	0.60 - 0.66	5.00

Palmdale WRP Effluent Monitoring

Palmdale Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethene	ug/L		ND						ND	
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,2-Dichlorobenzene	ug/L		ND						ND	
1,2-Dichloroethane	ug/L		ND						ND	
1,2-Dichloropropane	ug/L		ND						ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2,4-Trichlorobenzene	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene (Total)	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		ND						ND	
2-Chloroethyl vinyl ether (mixed)	ug/L		ND						ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND						ND	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.17						ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND						ND	
4,4'-DDE	ug/L		ND						ND	
4,4'-DDT	ug/L		ND						ND	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		ND						ND	
Aldrin	ug/L		ND						ND	
alpha-Endosulfan	ug/L		ND						ND	
alpha-Hexachlorocyclohexane (BHC)	ug/L		ND						ND	
Ammonia as nitrogen	mg/L	2.28	2.66	2.52	2.35	2.48	1.66	1.68	1.59	3.26
Anthracene	ug/L		ND						ND	
Antimony	ug/L		DNQ Est. Conc. 0.38						0.57	
Arsenic	ug/L		DNQ Est. Conc. 0.54						DNQ Est. Conc. 0.51	
Benzene	ug/L		ND						ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	
Benzo(a)pyrene	ug/L		ND						ND	
Benzo(b)fluoranthene	ug/L		ND						ND	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND						ND	
beta-Endosulfan	ug/L		ND						ND	
beta-Hexachlorocyclohexane	ug/L		ND						ND	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		ND		DNQ Est. Conc. 0.18				ND	
BOD5, filtered	mg/L	ND	3.5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L		1.1		0.70				1.2	

Palmdale Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.20	10.0
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L				ND	ND	DNQ Est. Conc. 0.17			EPA 625	10	0.12	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.4	10.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-Endosulfan	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ammonia as nitrogen	mg/L	2.72	4.74	3.56	1.59	2.63	4.74			SM 4500 NH3 G		0.020	0.200 - 0.500
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L				DNQ Est. Conc. 0.38	0.29	0.57			EPA 200.8	0.5	0.07 - 0.32	0.50
Arsenic	ug/L				DNQ Est. Conc. 0.51	ND	DNQ Est. Conc. 0.54			EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L				ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L				ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-Endosulfan	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
beta-Hexachlorocyclohexane	ug/L				ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND			ND	ND	DNQ Est. Conc. 0.18			EPA 625	5	0.17 - 0.25	2.0
BOD5, filtered	mg/L	ND	3.3	ND	ND	0.57	3.5	30	10	SM 5210B		0.4 - 0.6	3
Bromodichloromethane	ug/L	0.58			0.58	0.90	1.2			EPA 624	2	0.09 - 0.17	0.50

Palmdale Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Bromoform	ug/L		DNQ Est. Conc. 0.31		DNQ Est. Conc. 0.20				ND	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		ND						ND	
Calcium	mg/L		39.3		37.0				27.8	
Carbon tetrachloride	ug/L		ND						ND	
Chemical oxygen demand (COD)	mg/L	ND	25.1	25.4	28.0	28.0	ND	ND	ND	ND
Chlordane	ug/L		ND						ND	
Chloride	mg/L		174		151				131	
Chlorobenzene	ug/L		ND						ND	
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.27		DNQ Est. Conc. 0.20				DNQ Est. Conc. 0.14	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		5.7		4.5				7.5	
Chromium VI	ug/L		ND						ND	
Chromium, total	ug/L		0.74						DNQ Est. Conc. 0.39	
Chrysene	ug/L		ND						ND	
Copper	ug/L		3.43						2.39	
delta-Hexachlorocyclohexane	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dibromoacetic acid	ug/L		ND		ND					
Dichloroacetic acid	ug/L		10		11					
Dieldrin	ug/L		ND						ND	
Diesel range organics	ug/L		DNQ Est. Conc. 98		DNQ Est. Conc. 88				DNQ Est. Conc. 89	
Diethyl phthalate	ug/L		ND						ND	
Dimethyl phthalate	ug/L		ND						ND	
Dissolved oxygen	mg/L	7.5	7.8	7.8	7.7	7.3	7.1	6.8	6.7	6.5
Endosulfan sulfate	ug/L								ND	
Endrin aldehyde	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Ethylbenzene	ug/L		ND						ND	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
Gasoline range organics	ug/L		ND		ND				ND	
Heptachlor epoxide	ug/L		ND						ND	
Heptachlor	ug/L		ND						ND	
Hexachlorobenzene	ug/L		ND						ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND						ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Isophorone	ug/L		ND						ND	
Lead	ug/L		0.33						DNQ Est. Conc. 0.04	
Lindane (gamma-Hexachlorocyclohexane)	ug/L		ND						ND	
Magnesium	mg/L		12.1		10.7				8.3	
Mercury	ug/L		0.00058						ND	
Methyl bromide (Bromomethane)	ug/L		ND						ND	
Methyl chloride (Chloromethane)	ug/L		ND						ND	
Methyl tert-butyl ether (MTBE)	ug/L		ND						ND	
Methylene chloride	ug/L		ND						ND	
Monobromoacetic acid	ug/L		ND		ND					
Monochloroacetic acid	ug/L		ND		ND					
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		0.42		0.30				0.59	
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		1.20						1.34	
Nitrate as nitrogen	mg/L	2.25	1.80	2.66	3.37	3.71	2.18	1.83	5.58	1.53
Nitrite as nitrogen	mg/L	0.096	0.095	0.114	0.090	0.116	0.044	0.047	0.034	0.103

Palmdale Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Bromoform	ug/L	ND			ND	ND	DNQ Est. Conc. 0.31			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	ug/L				ND	ND	ND			EPA 200.8	0.25	0.030 - 0.031	0.20
Calcium	mg/L	24.5			24.5	32.2	39.3			EPA 200.8		0.004 - 0.005	0.020
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.28	0.50
Chemical oxygen demand (COD)	mg/L	ND	ND	27.3	ND	11.2	28.0			SM 5220D (std)		8.5	25.0
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Chloride	mg/L	128			128	146	174			EPA 300.0		0.030 - 0.190	8.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	ND			ND	ND	DNQ Est. Conc. 0.27			EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Chloroform	ug/L	3.6			3.6	5.3	7.5			EPA 624	2	0.09 - 0.18	0.50
Chromium VI	ug/L				ND	ND	ND			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				DNQ Est. Conc. 0.39	0.37	0.74			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L				2.39	2.91	3.43			EPA 200.8	0.5	0.11 - 0.16	0.50
delta-Hexachlorocyclohexane	ug/L				ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Dibromoacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L	13			10	11	13			EPA 552.2		0.41	1.0
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L	123			DNQ Est. Conc. 88	31	123			SW8015 Diesel/Oil Organics		22	100
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.21	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	7.1	7.3	7.5	6.5	7.3	7.8	≥ 1		SM 4500 O G		0.1	1.0
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND			EPA 625	1	0.19	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.18	10.0
Gasoline range organics	ug/L	DNQ Est. Conc. 10			ND	ND	DNQ Est. Conc. 10			SW8015 Gas-Range Organics		9	50
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625	1	0.18	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625	5	0.75	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L				DNQ Est. Conc. 0.04	0.2	0.33			EPA 200.8	0.5	0.01 - 0.03	0.25
Lindane (gamma-Hexachlorocyclohexane)	ug/L				ND	ND	ND			EPA 608	0.02	0.0009 - 0.001	0.01
Magnesium	mg/L	7.7			7.7	9.7	12.1			EPA 200.8		0.001 - 0.003	0.020
Mercury	ug/L				ND	0.00029	0.00058			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.12	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Monobromoacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.21	1.0
Monochloroacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.32	2.0
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA1625 (Mod.)/EPA 625	5	0.0003 - 0.12	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.33	0.27	0.72	0.27	0.44	0.72			EPA 1625 (Modified)	5	0.0005	0.0020
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L				1.20	1.27	1.34			EPA 200.8	1	0.12	1.00
Nitrate as nitrogen	mg/L	1.38	1.30	1.49	1.30	2.42	5.58			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.080	0.129	0.092	0.034	0.087	0.129			SM 4500 NO3 F		0.003	0.030

Palmdale Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Nitrobenzene	ug/L		ND						ND	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenols	ug/L		DNQ Est. Conc. 3						6	
Phenol	ug/L		ND						DNQ Est. Conc. 0.16	
pH	SU	7.3	7.2	7.3	7.3	7.0	7.3	7.3	7.0	7.1
Pyrene	ug/L		ND						ND	
Selenium	ug/L		DNQ Est. Conc. 0.24						DNQ Est. Conc. 0.14	
Silver	ug/L		ND						ND	
Sodium	mg/L		130		131				96.7	
Sulfate	mg/L		77.0		78.6				53.3	
Surfactant (MBAS)	mg/L	ND			ND		ND	ND		
Temperature	°C	18.2	19.2	20.4	21.9	23.7	26.7	28.2	28.3	27.0
Tetrachloroethene	ug/L		ND						ND	
Thallium	ug/L		ND						ND	
Toluene	ug/L		ND						ND	
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		ND							
Total dissolved solids	mg/L	471			493		437	441		
Total haloacetic acids	ug/L		15		16					
Total Kjeldahl Nitrogen (TKN)	mg/L	3.80	4.08	4.08	3.62	4.88	2.32	2.30	3.95	4.22
Total organic carbon	mg/L		5.82		6.06				5.82	
Total trihalomethanes	ug/L		7.4		5.6				8.8	
Toxaphene	ug/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND						ND	
Trichloroacetic acid	ug/L		4.8		5.2					
Trichloroethene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		70.0						78.8	

Palmdale Water Reclamation Plant
2017 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.38	1.0
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
Phenols	ug/L				DNQ Est. Conc. 3	3	6			EPA 420.1		2	6
Phenol	ug/L				ND	ND	DNQ Est. Conc. 0.16			EPA 625	1	0.14	1.0
pH	SU	6.9	7.0	7.0	6.9	7.1	7.3			SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	ug/L				DNQ Est. Conc. 0.14	ND	DNQ Est. Conc. 0.24			EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				ND	ND	ND			EPA 200.8	0.25	0.01 - 0.02	0.20
Sodium	mg/L	95.3			95.3	113	131			EPA 200.8		0.004 - 0.024	0.20 - 0.40
Sulfate	mg/L	49.4			49.4	64.6	78.6			EPA 300.0		0.070 - 0.120	2.00 - 2.50
Surfactant (MBAS)	mg/L			ND	ND	ND	ND	2	1	SM 5540C		0.03	0.10
Temperature	°C	23.9	21.5	19.6	18.2	23.2	28.3			EPA 170.1 (oC)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L				ND	ND	ND			EPA 624	2	0.19	0.50
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	23/240		SM 9222B		1	1
Total cyanide	ug/L		DNQ Est. Conc. 1.2		ND	ND	DNQ Est. Conc. 1.2			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			406	406	450	493			SM 2540C		2.7	25.0
Total haloacetic acids	ug/L	17			15	16	17			EPA 552.2		0.41 - 1.0	1.0
Total Kjeldahl Nitrogen (TKN)	mg/L	4.28	5.92	4.76	2.30	4.02	5.92			EPA 351.2		0.135	0.333 - 1.00
Total organic carbon	mg/L	5.48			5.48	5.80	6.06			SM 5310C		0.05	2.50
Total trihalomethanes	ug/L	4.2			4.2	6.5	8.8			EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.16	0.50
Trichloroacetic acid	ug/L	3.6			3.6	4.5	5.2			EPA 552.2		0.22	1.0
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.26	0.50
Zinc	ug/L				70.0	74.4	78.8			EPA 200.8	1	0.60 - 0.66	1.00

Palmdale WRP Biosolids Monitoring

Sewage Sludge (Biosolids) Annual Report

EPA Regulations – 503.18, 503.28, 503.48

INSTRUCTIONS

EPA's sewage sludge regulations (40 CFR part 503) require certain POTWs and Class I sewage sludge management facilities to submit to an annual biosolids report. POTWs that must submit an annual report include POTWs with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve 10,000 people or more. This is the biosolids annual report form for POTWs and Class I sewage sludge management facilities in the 42 states and all tribes and territories where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge' also refers to the material that is commonly referred to as 'biosolids.' EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Please note that questions with a (*) are required. Please also note that EPA may contact you after you submit this report for more information regarding your sewage sludge program.

Questions regarding this form should be directed to the NPDES Electronic Reporting Helpdesk at:

- NPDESeReporting@epa.gov OR
- 1-877-227-8965

What action would you like to take? *

New Biosolids Program Report

1. Program Information

Please select the NPDES ID number below for this Sewage Sludge (Biosolids) Annual Report. *

CAL000446: LACSD - PALMDALE WRP

IMPORTANT - If you do not see the NPDES ID associated with your facility (i.e., you only see a blue bar in the above drop down list), you MUST follow the instructions in the "Biosolids User's Guide." A shorter set of instructions to fix this issue are in the "Important Instructions on Accessing Your NPDES ID" document. Both documents are located at: https://epanet.zendesk.com/hc/en-us/sections/207108787-General-Biosolids.

Facility Name: LACSD - PALMDALE WRP

Street: P.O. Box 4998

City: WHITTIER

State: CA

Zip Code: 90607

1.1 Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR 503. The facility is: *

- [x] a POTW with a design flow rate equal to or greater than one million gallons per day
- [x] a POTW that serves 10,000 people or more
- [x] a Class I Sludge Management Facility as defined in 40 CFR 503.9
- [ ] otherwise required to report (e.g., permit condition, enforcement action)
- [ ] none of the above

1.2 Reporting Period Start and End Dates

Start Date of Reporting Period *	End Date of Reporting Period *
01-01-2017	12-31-2017

2. Facility Information

2.1 Biosolids or Sewage Sludge Treatment Processes

Please check the box next to the following biosolids or sewage sludge treatment processes that you used on the sewage sludge or biosolids generated or produced at your facility during the reporting period (check one or more that apply). *

Pathogen Reduction Operations (see Appendix B to Part 503)

Processes to Significantly Reduce Pathogens (PSRP)

- ☐ Aerobic Digestion
- ☒ Air Drying (or "sludge drying beds")
- ☒ Anaerobic Digestion
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization

Processes to Further Reduce Pathogens (PFRP)

- ☐ Higher Temperature Composting
- ☐ Heat Drying (e.g., flash dryer, spray dryer, rotary dryer)
- ☐ Heat Treatment (Liquid sewage sludge is heated to temp. of 356°F (or 180°C) or higher for 30 min.)
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization

Physical Treatment Operations

- ☒ Preliminary Operations (e.g., sludge grinding, degritting, blending)
- ☒ Thickening (e.g., gravity and/or flotation thickening, centrifugation, belt filter press, vacuum filter)
- ☐ Sludge Lagoon

Other Processes to Manage Sewage Sludge

- ☐ Temporary Sludge Storage (sewage sludge stored on land 2 years or less, not in sewage sludge unit)
- ☐ Long-term Sludge Storage (sewage sludge stored on land 2 years or more, not in sewage sludge unit)
- ☒ Methane or Biogas Capture and Recovery
- ☐ Other Treatment Process:

2.2 Biosolids or Sewage Sludge Analytical Methods

EPA regulations specify that representative samples of sewage sludge that is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator must be collected and analyzed. These regulations also specify the analytical methods that must be used to analyze samples of sewage sludge. For example, EPA requires facilities to monitor for the certain parameters, which are listed in Tables 1, 2, 3, and 4 at 40 CFR 503.13 and Tables 1 and 2 40 CFR 503.23. See also 40 CFR 503.8.

Please check the box next to the following analytic methods used on the sewage sludge or biosolids generated or produced by you or your facility during the reporting period (check one or more that apply). *

Parameter	Method Number or Author	Description Text for Certification Section
Pathogens		
Ascaris ova.	☐ Sludge Monitoring - Ascaris ova. ☐ Other Ascaris ova. Analytical Method:	Sludge Monitoring - Ascaris ova., "Test Method for Detecting, Enumerating, and Determining the Viability Ascaris in Sludge (Appendix I)," Control of Pathogens and Vector Attraction in Sewage Sludge", EPA-625-R-92-013, July 2003

Parameter	Method Number or Author	Description Text for Certification Section
Enteric viruses	☐ ASTM Method D4994 - Enteric Viruses	ASTM Method D4994 - Enteric Viruses, "Standard Practice for Recovery of Viruses From Wastewater Sludges," ASTM International
	☐ Other Enteric Viruses Analytical Method:	
Fecal coliform	☐ Standard Method 9222 - Fecal Coliform	Standard Method 9222 - Fecal Coliform, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association [Note: This method is only allowable for Class B sewage sludge]
	☐ Standard Method 9221 - Fecal Coliform	Standard Method 9221 - Fecal Coliform, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ EPA Method 1680 - Fecal Coliform	EPA Method 1680 - Fecal Coliform, "Fecal Coliforms in Sewage Sludge by Multiple-Tube Fermentation using Lauryl Tryptose Broth and EC Medium," EPA-821-R-10-003, April 2010
	☐ EPA Method 1681 - Fecal Coliform	EPA Method 1681 - Fecal Coliform, Fecal Coliforms in Sewage Sludge (Biosolids) by MultipleTube Fermentation using A-1 medium, EPA-821-R-04-027, June 2005
	☐ Other Fecal Coliform Analytical Method:	
Helminth ova.	☐ W.A. Yanko Method - Helminth ova.	W.A. Yanko Method - Helminth Ova., "Occurrence of Pathogens in Distribution and Marketing Municipal Sludges," EPA-600-1-87-014, 1987
	☐ Other Helminth ova. Analytical Method:	
Salmonella sp. Bacteria	☐ Standard Method 9260 - Salmonella	Standard Method 9260 - Salmonella, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ EPA Method 1682 - Salmonella	EPA Method 1682, "Salmonella in Sewage Sludge (Biosolids) by Modified Semisolid Rappaport-Vassiliadis (MSRV) Medium," EPA-821-R-06-014, July 2006
	☐ Kenner and Clark Method - Salmonella	Kenner and Clark Method - Salmonella, “Detection and Enumeration of Salmonella and Pseudomonas aeruginosa,” J. Water Pollution Control Federation, 46(9):2163-2171, 1974
	☐ Other Salmonella sp. Bacteria Analytical Method:	
Total Culturable Viruses	☐ Class A Sludge Monitoring - Total Culturable Viruses	EPA Class A Sludge Monitoring - Total Culturable Viruses, "Method for the Recovery and Assay of Total Culturable Viruses from Sludge (Appendix H)," Control of Pathogens and Vector Attraction in Sewage Sludge, EPA-625-R-92-013, July 2003
	☐ Other Total Culturable Viruses Analytical Method:	
Metals		
Arsenic	☐ EPA Method 6010 - Arsenic (ICP-OES)	EPA Method 6010 - Arsenic (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Arsenic (ICP-MS)	EPA Method 6020 - Arsenic (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Arsenic (GF-AAS)	EPA Method 7010 - Arsenic (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7061 - Arsenic (AA-GH)	EPA Method 7061 - Arsenic (Atomic Absorption - Gaseous Hydride), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Arsenic Analytical Method:	
Beryllium	☐ EPA Method 6010 - Beryllium (ICP-OES)	EPA Method 6010 - Beryllium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 6020 - Beryllium (ICP-MS)	EPA Method 6020 - Beryllium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Beryllium (FAAS)	EPA Method 7000 - Beryllium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Beryllium (GF-AAS)	EPA Method 7010 - Beryllium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Beryllium Analytical Method	

Parameter	Method Number or Author	Description Text for Certification Section
Cadmium	☐ EPA Method 6010 - Cadmium (ICP-OES)	EPA Method 6010 - Cadmium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Cadmium (ICP-MS)	EPA Method 6020 - Cadmium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Cadmium (FAAS)	EPA Method 7000 - Cadmium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Cadmium (GF-AAS)	EPA Method 7010 - Cadmium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7131 - Cadmium (GF-AAS)	EPA Method 7131 - Cadmium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Cadmium Analytical Method:	
Chromium	☐ EPA Method 6010 - Chromium (ICP-OES)	EPA Method 6010 - Chromium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Chromium (ICP-MS)	EPA Method 6020 - Chromium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Chromium (FAAS)	EPA Method 7000 - Chromium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Chromium (GF-AAS)	EPA Method 7010 - Chromium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7191 - Chromium (AA-FT)	EPA Method 7191 - Chromium (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Chromium Analytical Method:	
Copper	☐ EPA Method 6010 - Copper (ICP-OES)	EPA Method 6010 - Copper (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Copper (ICP-MS)	EPA Method 6020 - Copper (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Copper (FAAS)	EPA Method 7000 - Copper (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Copper (GF-AAS)	EPA Method 7010 - Copper (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Copper Analytical Method:	
Lead	☐ EPA Method 6010 - Lead (ICP-OES)	EPA Method 6010 - Lead (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Lead (ICP-MS)	EPA Method 6020 - Lead (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Lead (FAAS)	EPA Method 7000 - Lead (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Lead (GF-AAS)	EPA Method 7010 - Lead (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7421 - Lead (AA-FT)	EPA Method 7421 - Lead (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Lead Analytical Method:	
Mercury	☒ EPA Method 7471 - Mercury (CVAA)	EPA Method 7471 - Mercury in Solid or Semi-Solid Waste (Cold Vapor Atomic Absoprtion), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Mercury Analytical Method:	

Parameter	Method Number or Author	Description Text for Certification Section
Molybdenum	☐ EPA Method 6010 - Molybdenum (ICP-OES)	EPA Method 6010 - Molybdenum (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Molybdenum (ICP-MS)	EPA Method 6020 - Molybdenum (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Molybdenum (FAAS)	EPA Method 7000 - Molybdenum (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Molybdenum (GF-AAS)	EPA Method 7010 - Molybdenum (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7481 - Molybdenum (AA-FT)	EPA Method 7481 - Molybdenum (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Molybdenum Analytical Method:	
Nickel	☐ EPA Method 6010 - Nickel (ICP-OES)	EPA Method 6010 - Nickel (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Nickel (ICP-MS)	EPA Method 6020 - Nickel (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Nickel (FAAS)	EPA Method 7000 - Nickel (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Nickel (GF-AAS)	EPA Method 7010 - Nickel (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Nickel Analytical Method:	
Selenium	☐ EPA Method 6010 - Selenium (ICP-OES)	EPA Method 6010 - Selenium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Selenium (ICP-MS)	EPA Method 6020 - Selenium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Selenium (GF-AAS)	EPA Method 7010 - Selenium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7740 - Selenium (AA-FT)	EPA Method 7741A - Selenium (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7741 - Selenium (AA-GH)	EPA Method 7741 - Selenium (Atomic Absorption - Gaseous Hydride), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Selenium Analytical Method:	
Zinc	☐ EPA Method 6010 - Zinc (ICP-OES)	EPA Method 6010 - Zinc (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Zinc (ICP-MS)	EPA Method 6020 - Zinc (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Zinc (FAAS)	EPA Method 7000 - Zinc (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Zinc (GF-AAS)	EPA Method 7010 - Zinc (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Zinc Analytical Method:	

Nitrogen Compounds

Ammonia Nitrogen	☐ EPA Method 350.1 - Ammonia Nitrogen	EPA Method 350.1 - Ammonia Nitrogen, "Determination of Ammonia Nitrogen by Semi-Automated Colorimetry," August 1993
	☒ Standard Method 4500-NH3 - Ammonia Nitrogen	Standard Method 4500-NH3 - Ammonia Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Ammonia Nitrogen Analytical Method	

Parameter	Method Number or Author	Description Text for Certification Section
Nitrate Nitrogen	☐ EPA Method 9056 - Nitrate Nitrogen (IC)	EPA Method 9056 - Nitrate Nitrogen (Ion Chromatography), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 9210 - Nitrate Nitrogen (ISE)	EPA Method 9210 - Nitrate Nitrogen (Ion-Selective Electrode), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ Other Nitrate Nitrogen Analytical Method:	SM 4500 - NO3
Nitrogen	☐ Standard Method 4500-N - Nitrogen	Standard Method 4500-N - Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☒ Other Nitrogen Analytical Method:	Total Nitrogen Calculation
Organic Nitrogen	☒ Standard Method 4500-Norg - Organic Nitrogen	Standard Method 4500-Norg - Organic Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Organic Nitrogen Analytical Method:	
Total Kjeldahl Nitrogen	☐ EPA Method 351.2 - Total Kjeldahl Nitrogen	EPA Method 351.2 - Total Kjeldahl Nitrogen, "Determination of Total Kjeldahl Nitrogen by Semi-Automated Colorimetry," August 1993
	☒ Other Total Kjeldahl Nitrogen Analytical Method:	SM 4500-NH3

Other Analytes

Fixed Solids	☐ Standard Method 2540 - Fixed Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Fixed Solids Analytical Method:	
Paint Filter Test	☐ EPA Method 9095 - Paint Filter Liquids Test	EPA Method 9095 - Paint Filter Liquids Test, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Paint Filter Test Analytical Method:	

Parameter	Method Number or Author	Description Text for Certification Section
pH	☐ EPA Method 9040 - pH (≤ 7% solids)	EPA Method 9040 - pH (≤ 7% solids), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 9045 - pH (> 7% solids)	EPA Method 9045 - pH (> 7% solids), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ Other pH Analytical Method:	SM 4500 H+
Specific Oxygen Uptake Rate	☐ Standard Method 2710 - SOUR	Standard Method 2710 - Specific Oxygen Uptake Rate, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Specific Oxygen Uptake Rate Analytical Method:	
TCLP	☐ EPA Method 1311 - Toxicity Characteristic Leaching Procedure	EPA Method 1311 - Toxicity Characteristic Leaching Procedure, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other TCLP Analytical Method:	
Temperature	☐ Standard Method 2550 - Temperature	Standard Method 2550 - Temperature, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Temperature Analytical Method:	
Total Solids	☒ Standard Method 2540 - Total Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Total Solids Analytical Method:	
Volatile Solids	☒ Standard Method 2540 - Volatile Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Volatile Solids Analytical Method:	
No Analytical Methods	☐ No Analytical Methods Used	

2.3 What is the estimated total volume of biosolids or sewage sludge produced at your facility for the reporting period (in dry metric tons)? *

1960

3. Biosolids or Sewage Sludge Management

EPA NPDES regulations at 40 CFR 503 only require reporting for land application, surface disposal, or incineration. You have the option to select "Other Management Practice" if you wish to provide more information on how you manage your sewage sludge or biosolids.

Please use the selections below to identify how sewage sludge or biosolids generated or produced at your facility was managed, used, or disposed by you or your facility for the reporting period. You can use the button below to add as many Sewage Sludge Unique Identifier (SSUID) sections as needed to describe how you manage your sewage sludge.

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 001

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Land Application	Off-Site Third-Party Preparer	Distribution and Marketing - Compost

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. “Off-Site Third-Party Handler or Applier” refers to third parties which do not change the quality of the Biosolids. “Off-Site Third-Party Preparer” refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	1960

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

Facility/Company Name *
Nursery Products Hawes Composting Facility

Address *
P.O. Box 1439

City *	State *	Zip Code *
Helendale	California	92342

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *	Last Name *	Title *
Fred	Brutsche	Area Plant Director

Phone (10-digits, No dashes) *	Ext.	E-Mail Address
7602720109		fbrutsche@synagro.com

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Code		Pathogen Reduction Option Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐	B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐	B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐	B22	Class B-Alternative 2 PSRP 2: Air Drying
☒	B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐	B24	Class B-Alternative 2 PSRP 4: Composting
☐	B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐	B3	Class B-Alternative 3: PSRP Equivalency
☐	pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

☒	VR1	Option 1-Volatile Solids Reduction
☐	VR2	Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
☐	VR3	Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
☐	VR4	Option 4-Specific Oxygen Uptake Rate
☐	VR5	Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
☐	VR6	Option 6-Alkaline Treatment
☐	VR7	Option 7-Drying (Equal to or Greater than 75 Percent)
☐	VR8	Option 8-Drying (Equal to or Greater than 90 Percent)
☐	VR9	Option 9-Sewage Sludge Injection
☐	VR10	Option 10-Sewage Sludge Timely Incorporation into Land
☐	VR11	Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

☐ Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).

☐ Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).

☐ Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).

☐ Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).

☐ Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).

☐ Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).

☐ Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).

☐ Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

☒ **Please select this checkbox to continue completing the form.**
If you wish to change the SSUID section(s) above, uncheck this box. *

Biosolids Monitoring Data

INSTRUCTIONS: These monitoring data should be representative of the sewage sludge that was applied to land or placed on a surface disposal site during the reporting year see 40 CFR 503.8(a). This section uses the frequency of monitoring requirements in 40 CFR 503.16 and 503.26. The following codes can be used as data qualifiers: T = Too Numerous to Count, E = Estimated, N = No Data.

Land Application Monthly Sample Table

Sample	Sample Period Start Date	Sample Period End Date
Sample 1 Time Period	01-01-2017	02-28-2017
Sample 2 Time Period	03-01-2017	04-30-2017
Sample 3 Time Period	05-01-2017	06-30-2017
Sample 4 Time Period	07-01-2017	08-31-2017
Sample 5 Time Period	09-01-2017	10-31-2017
Sample 6 Time Period	11-01-2017	12-31-2017

Maximum Pollutant Concentration Data for All Sewage Sludge Applied to Land *

This section summarizes the maximum pollutant concentrations in sewage sludge that was applied to land during the reporting year. In accordance with 40 CFR 503.13(a), EPA's sewage sludge regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13). In order to identify noncompliance, EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13.

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Arsenic	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 3.5	= 4.1	= 3.8	= 3.4	= 3.5	= 3.1

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Cadmium	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.8	= 1.7	= 1.6	= 1.6	= 1.8	= 1.8

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Copper	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 503	= 446	= 492	= 531	= 588	= 608

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Lead	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 6.1	= 6.6	= 7.3	= 6.8	= 6.8	= 7.1

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Mercury	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.2	= 0.66	= 0.66	= 0.86	= 1.5	= 1.3

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Molybdenum	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 12.8	= 14.5	= 13.2	= 12.7	= 12.4	= 13.2

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Nickel	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 24.7	= 25.1	= 23.4	= 24.0	= 24.0	= 23.8

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Selenium	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 5.3	= 5.3	= 4.8	= 4.8	= 4.9	= 4.6

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Zinc	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1900	= 1520	= 2020	= 2250	= 2440	= 2740

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Total Nitrogen (TKN plus Nitrate-Nitrite)	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 68308	= 66132	= 58755	= 60385	= 68643	= 54503

Monthly Average Pollutant Concentration Data for All Sewage Sludge Applied to Land *

This section summarizes the monitoring-period average pollutant concentrations in sewage sludge that was applied to land during the reporting year.

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Arsenic	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 3.5	= 4.1	= 3.8	= 3.4	= 3.5	= 3.1

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Cadmium	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.8	= 1.7	= 1.6	= 1.6	= 1.8	= 1.8

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Copper	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 503	= 446	= 492	= 531	= 588	= 608

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Lead	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 6.1	= 6.6	= 7.3	= 6.8	= 6.8	= 7.1

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Mercury	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.2	= 0.66	= 0.66	= 0.86	= 1.5	= 1.3

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Nickel	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 24.7	= 25.1	= 23.4	= 24.0	= 24.0	= 23.8

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Selenium	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 5.3	= 5.3	= 4.8	= 4.8	= 4.9	= 4.6

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Zinc	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1900	= 1520	= 2020	= 2250	= 2440	= 2740

Vector Attraction Reduction - Volatile Solids Options (Options 1-3) *

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Solids, total volatile percent removal	Minimum	Percent	CALCTD

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 64	= 56	= 58	= 62	= 62	= 63

Additional Information

Please enter any additional information in the comment box below (limit to 3,900 characters) that you would like to provide.

1. Section 2.2 Analysis: Temperature of anaerobic digester is continuously via thermocouple.
2. Data entered for Maximum Pollutant Loading and Monthly Average Pollutant Concentrations are determined prior to biosolids leaving the wastewater treatment plant.
3. Reported biosolids tonnages are based on those leaving the wastewater treatment plant and may differ from those reported by Third-Party Handlers/Appliers.
4. Total Nitrogen (mg/kg, average) was calculated by adding NH3-N, Org-N, NO3-N, and NO2-N. When a parameter was non-detect, half of the threshold value was utilized in the summation.
5. NPDES ID for Nursery Products is CAL010500. (Will not save in appropriate field above)

Additional Attachments (maximum size 25 MB)

Certification Information

I certify, under penalty of law, that the information in this report was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Certifier E-Mail *	Form Action *
aheil@lacsd.org	Approve

Pomona WRP Influent Monitoring

Pomona Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L						ND				
1,1-Dichloroethylene	ug/L						ND				
1,1,1-Trichloroethane	ug/L						ND				
1,1,2-Trichloroethane	ug/L						ND				
1,1,2,2-Tetrachloroethane	ug/L						ND				
1,2-Dichlorobenzene	ug/L						ND				
1,2-Dichloroethane	ug/L						ND				
1,2-Dichloropropane	ug/L						ND				
1,2-Diphenylhydrazine	ug/L						ND				
1,2-trans-Dichloroethylene	ug/L						ND				
1,2,4-Trichlorobenzene	ug/L						ND				
1,3-Dichlorobenzene	ug/L						ND				
1,3-Dichloropropene (Total)	ug/L						ND				
1,4-Dichlorobenzene	ug/L						ND				
2-Chloroethylvinyl ether	ug/L						ND				
2-Chloronaphthalene	ug/L						ND				
2-Chlorophenol	ug/L						ND				
2-Methyl-4,6-dinitrophenol	ug/L						ND				
2-Nitrophenol	ug/L						ND				
2,3,7,8-TCDD	pg/L						ND				
2,4-Dichlorophenol	ug/L						ND				
2,4-Dimethylphenol	ug/L						ND				
2,4-Dinitrophenol	ug/L						ND				
2,4-Dinitrotoluene	ug/L						ND				
2,4,6-Trichlorophenol	ug/L						ND				
2,6-Dinitrotoluene	ug/L						ND				
3-Methyl-4-chlorophenol	ug/L						ND				
3,3'-Dichlorobenzidine	ug/L						ND				
4-Bromophenyl phenyl ether	ug/L						ND				
4-Chlorophenyl phenyl ether	ug/L						ND				
4-Nitrophenol	ug/L						ND				
4,4-DDD	ug/L						ND				
4,4-DDE	ug/L						ND				
4,4-DDT	ug/L						ND				
Acenaphthene	ug/L						ND				
Acenaphthylene	ug/L						ND				
Acrolein	ug/L						ND				
Acrylonitrile	ug/L						ND				
Aldrin	ug/L						ND				
alpha-BHC	ug/L						ND				
alpha-Endosulfan	ug/L						ND				
Anthracene	ug/L						ND				
Antimony	ug/L						0.66				
Aroclor 1016	ug/L						ND				
Aroclor 1221	ug/L						ND				
Aroclor 1232	ug/L						ND				
Aroclor 1242	ug/L						ND				
Aroclor 1248	ug/L						ND				
Aroclor 1254	ug/L						ND				
Aroclor 1260	ug/L						ND				
Arsenic	ug/L						1.29				
Benzene	ug/L						ND				
Benzidine	ug/L						ND				
Benzo(a)anthracene	ug/L						ND				
Benzo(a)pyrene	ug/L						ND				
Benzo(b)fluoranthene	ug/L						ND				
Benzo(g,h,i)perylene	ug/L						ND				

Pomona Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND	EPA 624	1	0.20 - 0.23	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	2	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.09 - 0.14	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND	EPA 624	1	0.11 - 0.14	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.07 - 0.13	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.10 - 0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND	EPA 624	1	0.16 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND	EPA 625	1	0.13 - 0.20	10.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	1	0.16	0.50
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.08 - 0.13	0.50
1,3-Dichloropropene (Total)	ug/L		ND	ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.16 - 0.26	0.50
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND	EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND	EPA 625	10	0.12 - 0.16	100
2-Chlorophenol	ug/L		ND	ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND	EPA 625	5	1.3 - 3.5	50.0
2-Nitrophenol	ug/L		ND	ND	ND	ND	EPA 625	10	0.18 - 0.20	100
2,3,7,8-TCDD	pg/L		11	ND	5.5	11	EPA 1613B		0.76 - 5.9	10
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND	EPA 625	5	0.11 - 0.15	50.0
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND	EPA 625	2	0.11 - 0.36	20.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND	EPA 625	5	1.7 - 2.0	50.0
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND	EPA 625	5	0.20 - 0.22	50.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND	EPA 625	10	0.12 - 0.17	100
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND	EPA 625	5	0.12 - 0.22	50.0
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND	EPA 625	5	0.66 - 1.2	50.0
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND	EPA 625	5	0.21 - 0.28	50.0
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND	EPA 625	5	0.17 - 0.33	50.0
4-Nitrophenol	ug/L		ND	ND	ND	ND	EPA 625	10	1.3 - 1.4	100
4,4-DDD	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDE	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDT	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L		ND	ND	ND	ND	EPA 625	1	0.15 - 0.38	10.0
Acenaphthylene	ug/L		ND	ND	ND	ND	EPA 625	10	0.14 - 0.22	100
Acrolein	ug/L		ND	ND	ND	ND	EPA 624		0.57 - 1.3	2.0
Acrylonitrile	ug/L		ND	ND	ND	ND	EPA 624		0.20 - 0.38	2.0
Aldrin	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
alpha-Endosulfan	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.001	0.01
Anthracene	ug/L		ND	ND	ND	ND	EPA 625	10	0.16 - 0.18	100
Antimony	ug/L		0.84	0.66	0.75	0.84	EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L		1.60	1.29	1.45	1.60	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.12 - 0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND	EPA 625	5	1.6 - 1.7	50.0
Benzo(a)anthracene	ug/L		ND	ND	ND	ND	EPA 625	5	0.12 - 0.19	50.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	0.15 - 0.19	100
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	10	0.13 - 0.14	100
Benzo(g,h,i)perylene	ug/L		ND	ND	ND	ND	EPA 625	5	0.13 - 0.19	50.0

Pomona Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Benzo(k)fluoranthene	ug/L						ND				
Beryllium	ug/L						ND				
beta-BHC	ug/L						ND				
beta-Endosulfan	ug/L						ND				
Bis(2-chloroethoxy)methane	ug/L						ND				
bis(2-Chloroethyl) ether	ug/L						ND				
bis(2-Chloroisopropyl) ether	ug/L						ND				
bis(2-Ethylhexyl) phthalate	ug/L						DNQ Est. Conc. 5.3				
BOD	mg/L	286	335	325	388	365	351	318	330	342	349
Bromodichloromethane	ug/L						0.82				
Bromoform	ug/L						DNQ Est. Conc. 0.24				
Butyl benzyl phthalate	ug/L						ND				
Cadmium	ug/L						0.22				
Carbon tetrachloride	ug/L						ND				
Chlorobenzene	ug/L						ND				
Chloroethane	ug/L						ND				
Chloroform	ug/L						4.2				
Chromium III	ug/L						3.29				
Chromium VI	ug/L						0.027				
Chrysene	ug/L						ND				
Copper	ug/L						33.7				
Cyanide	ug/L						DNQ Est. Conc. 1.04				
delta-BHC	ug/L						ND				
Di-n-butyl phthalate	ug/L						ND				
Di-n-octyl phthalate	ug/L						ND				
Dibenzo(a,h)anthracene	ug/L						ND				
Dibromochloromethane	ug/L						DNQ Est. Conc. 0.33				
Dieldrin	ug/L						ND				
Diethyl phthalate	ug/L						DNQ Est. Conc. 3.9				
Dimethyl phthalate	ug/L						ND				
Endosulfan sulfate	ug/L						ND				
Endrin aldehyde	ug/L						ND				
Endrin	ug/L						ND				
Ethylbenzene	ug/L						ND				
Fluoranthene	ug/L						ND				
Fluorene	ug/L						ND				
gamma-BHC	ug/L						0.02				
Heptachlor epoxide	ug/L						ND				
Heptachlor	ug/L						ND				
Hexachlorobenzene	ug/L						ND				
Hexachlorobutadiene	ug/L						ND				
Hexachlorocyclopentadiene	ug/L						ND				
Hexachloroethane	ug/L						ND				
Indeno (1,2,3-cd) pyrene	ug/L						ND				
Isophorone	ug/L						ND				
Lead	mg/L	0.00061	0.00082	0.00078	0.00084	0.00188	0.00098	0.00321	0.00079	0.00073	0.00076
Mercury	ug/L						0.04				
Methyl bromide (Bromomethane)	ug/L						ND				
Methyl chloride (Chloromethane)	ug/L						ND				
Methylene chloride	ug/L						0.56				
N-Nitrosodi-n-propylamine	ug/L						ND				
n-Nitrosodimethylamine (NDMA)	ug/L						ND				
n-Nitrosodiphenylamine	ug/L						ND				
Naphthalene	ug/L						ND				
Nickel	ug/L						2.46				
Nitrobenzene	ug/L						ND				
P129/138/163	pg/L						DNQ Est. Conc. 430 (1)				

Pomona Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	10	0.22 - 0.23	100
Beryllium	ug/L		ND	ND	ND	ND	EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.002 - 0.003	0.005
beta-Endosulfan	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Bis(2-chloroethoxy)methane	ug/L		ND	ND	ND	ND	EPA 625	5	0.13 - 0.50	50.0
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND	EPA 625	1	0.13 - 0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND	EPA 625	2	0.16 - 0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 6.3	DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 6.3	EPA 625	5	0.17 - 0.25	20.0
BOD	mg/L	344	399	286	344	399	SM 5210B		0.6	120
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.32	0.41	0.82	EPA 624	2	0.14 - 0.17	0.50
Bromoform	ug/L		DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.24	EPA 624	2	0.14 - 0.17	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	0.10 - 0.16	100
Cadmium	ug/L		DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.15	0.11	0.22	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND	EPA 624	2	0.21 - 0.28	0.50
Chlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.11 - 0.17	0.50
Chloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.18 - 0.26	0.50
Chloroform	ug/L		2.5	2.5	3.4	4.2	EPA 624	2	0.12 - 0.18	0.50
Chromium III	ug/L		2.81	2.81	3.05	3.29	EPA 200.8			0.50
Chromium VI	ug/L		0.12	0.027	0.074	0.12	EPA 218.6 (Dissolved)		0.0048 - 0.01	0.02 - 0.05
Chrysene	ug/L		ND	ND	ND	ND	EPA 625	10	0.13 - 0.17	100
Copper	ug/L		42.1	33.7	37.9	42.1	EPA 200.8	0.5	0.11 - 0.16	0.50
Cyanide	ug/L		DNQ Est. Conc. 1.34	DNQ Est. Conc. 1.04	ND	DNQ Est. Conc. 1.34	SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	0.10 - 0.16	100
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	0.12 - 0.16	100
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND	EPA 625	10	0.14 - 0.15	100
Dibromochloromethane	ug/L		DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.25	ND	DNQ Est. Conc. 0.33	EPA 624	2	0.13 - 0.14	0.50
Dieldrin	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L		DNQ Est. Conc. 4.9	DNQ Est. Conc. 3.9	ND	DNQ Est. Conc. 4.9	EPA 625	2	0.21 - 0.27	20.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	2	0.19 - 0.26	20.0
Endosulfan sulfate	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.15 - 0.18	0.50
Fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	1	0.10 - 0.19	10.0
Fluorene	ug/L		ND	ND	ND	ND	EPA 625	10	0.18 - 0.30	100
gamma-BHC	ug/L		ND	ND	0.01	0.02	EPA 608	0.02	0.0009 - 0.001	0.01
Heptachlor epoxide	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND	EPA 625	1	0.11 - 0.18	10.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND	EPA 625	1	0.14 - 0.33	10.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND	EPA 625	5	0.52 - 0.75	50.0
Hexachloroethane	ug/L		ND	ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	0.13 - 0.14	100
Isophorone	ug/L		ND	ND	ND	ND	EPA 625	1	0.13 - 0.25	10.0
Lead	mg/L	0.00184	0.00149	0.00061	0.0012	0.00321	EPA 200.8	0.0005	0.00001 - 0.00003	0.00025
Mercury	ug/L		0.07	0.04	0.06	0.07	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND	EPA 624	2	0.10 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND	EPA 624	2	0.17 - 0.19	0.50
Methylene chloride	ug/L		ND	ND	0.28	0.56	EPA 624	2	0.09 - 0.18	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND	EPA 625	5	0.12 - 0.19	50.0
n-Nitrosodimethylamine (NDMA)	ug/L		ND	ND	ND	ND	EPA 625	5	0.14 - 0.32	50.0
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND	EPA 625	1	0.15 - 0.23	10.0
Naphthalene	ug/L		ND	ND	ND	ND	EPA 625	1	0.15 - 0.18	10.0
Nickel	ug/L		4.03	2.46	3.25	4.03	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L		ND	ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
P129/138/163	pg/L			DNQ Est. Conc. 430 (1)	ND	DNQ Est. Conc. 430 (1)	EPA 1668		5.7	620

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
P61/70/74/76	pg/L						DNQ Est. Conc. 490 (1)				
P90/101/113	pg/L						DNQ Est. Conc. 540 (1)				
PCB-105	pg/L						190				
PCB-110	pg/L						708				
PCB-114	pg/L						ND				
PCB-118	pg/L						410 (1)				
PCB-123	pg/L						ND				
PCB-126	pg/L						ND				
PCB-158	pg/L						DNQ Est. Conc. 38				
PCB-167	pg/L						DNQ Est. Conc. 18				
PCB-169	pg/L						ND				
PCB-170	pg/L						DNQ Est. Conc. 150 (1)				
PCB-177	pg/L						602				
PCB-183	pg/L						DNQ Est. Conc. 110				
PCB-187	pg/L						DNQ Est. Conc. 130				
PCB-189	pg/L						ND				
PCB-194	pg/L						DNQ Est. Conc. 100 (1)				
PCB-201	pg/L						DNQ Est. Conc. 22				
PCB-206	pg/L						DNQ Est. Conc. 78				
PCB-28	pg/L						743				
PCB-37	pg/L						DNQ Est. Conc. 130 (2)				
PCB-44	pg/L						568				
PCB-52	pg/L						740 (1)				
PCB-66	pg/L						270 (1)				
PCB-77	pg/L						31				
PCB-81	pg/L						ND				
PCB-99	pg/L						DNQ Est. Conc. 200				
PCB128/166	pg/L						DNQ Est. Conc. 37				
PCB135/151	pg/L						DNQ Est. Conc. 120				
PCB147/149	pg/L						DNQ Est. Conc. 290				
PCB153/168	pg/L						DNQ Est. Conc. 400 (1)				
PCB156/157	pg/L						67				
PCB18/30	pg/L						DNQ Est. Conc. 290 (1)				
PCB49/69	pg/L						DNQ Est. Conc. 250 (1)				
PCB-86/87/97/108/119	pg/L						DNQ Est. Conc. 380				
Pentachlorophenol	ug/L						ND				
Phenanthrene	ug/L						ND				
Phenol	ug/L						23.6				
pH	SU	7.8	7.7	7.9	8.0	7.7	7.5	7.7	7.7	7.6	7.6
Pyrene	ug/L						ND				
Selenium	mg/L	DNQ Est. Conc. 0.00076	DNQ Est. Conc. 0.00077	DNQ Est. Conc. 0.00082	DNQ Est. Conc. 0.00074	DNQ Est. Conc. 0.00094	DNQ Est. Conc. 0.00062	DNQ Est. Conc. 0.00090	DNQ Est. Conc. 0.00057	DNQ Est. Conc. 0.00065	DNQ Est. Conc. 0.00069
Silver	ug/L						DNQ Est. Conc. 0.19				
Technical chlordane	ug/L						ND				
Tetrachloroethylene	ug/L						9.7				
Thallium	ug/L						ND				
Toluene	ug/L						0.51				
Total chromium	ug/L						3.32				
Total Suspended Solids	mg/L	278	295	277	315	325	313	285	281	293	327
Toxaphene	ug/L						ND				
Trichloroethylene	ug/L						ND				
Vinyl chloride	ug/L						ND				
Zinc	ug/L						104				

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Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
P61/70/74/76	pg/L			DNQ Est. Conc. 490 (1)	ND	DNQ Est. Conc. 490 (1)	EPA 1668		7.4	820
P90/101/113	pg/L			DNQ Est. Conc. 540 (1)	ND	DNQ Est. Conc. 540 (1)	EPA 1668		9.8	620
PCB-105	pg/L			190	190	190	EPA 1668		10	21
PCB-110	pg/L			708	708	708	EPA 1668			
PCB-114	pg/L			ND	ND	ND	EPA 1668		8.8	21
PCB-118	pg/L			410 (1)	ND	410 (1)	EPA 1668		8.8	21
PCB-123	pg/L			ND	ND	ND	EPA 1668		9.2	21
PCB-126	pg/L			ND	ND	ND	EPA 1668		8.8	21
PCB-158	pg/L			DNQ Est. Conc. 38	ND	DNQ Est. Conc. 38	EPA 1668		4.5	210
PCB-167	pg/L			DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		5.0	21
PCB-169	pg/L			ND	ND	ND	EPA 1668		5.2	21
PCB-170	pg/L			DNQ Est. Conc. 150 (1)	ND	DNQ Est. Conc. 150 (1)	EPA 1668		3.4	210
PCB-177	pg/L			602	602	602	EPA 1668			
PCB-183	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		2.6	210
PCB-187	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		5.9	210
PCB-189	pg/L			ND	ND	ND	EPA 1668		5.0	21
PCB-194	pg/L			DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668		7.8	210
PCB-201	pg/L			DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		3.1	210
PCB-206	pg/L			DNQ Est. Conc. 78	ND	DNQ Est. Conc. 78	EPA 1668		6.8	210
PCB-28	pg/L			743	743	743	EPA 1668			
PCB-37	pg/L			DNQ Est. Conc. 130 (2)	ND	DNQ Est. Conc. 130 (2)	EPA 1668		29	210
PCB-44	pg/L			568	568	568	EPA 1668			
PCB-52	pg/L			740 (1)	ND	740 (1)	EPA 1668		3.1	210
PCB-66	pg/L			270 (1)	ND	270 (1)	EPA 1668		7.8	210
PCB-77	pg/L			31	31	31	EPA 1668		9.6	21
PCB-81	pg/L			ND	ND	ND	EPA 1668		7.5	21
PCB-99	pg/L			DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200	EPA 1668		9.1	210
PCB128/166	pg/L			DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37	EPA 1668		5.4	410
PCB135/151	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		6.1	410
PCB147/149	pg/L			DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668		5.9	410
PCB153/168	pg/L			DNQ Est. Conc. 400 (1)	ND	DNQ Est. Conc. 400 (1)	EPA 1668		5.0	410
PCB156/157	pg/L			67	67	67	EPA 1668		8.0	41
PCB18/30	pg/L			DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		5.8	410
PCB49/69	pg/L			DNQ Est. Conc. 250 (1)	ND	DNQ Est. Conc. 250 (1)	EPA 1668		2.5	410
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 380	ND	DNQ Est. Conc. 380	EPA 1668		9.7	1200
Pentachlorophenol	ug/L		ND	DNQ Est. Conc. 380	ND	DNQ Est. Conc. 380	EPA 625	5	0.38 - 0.64	10.0
Phenanthrene	ug/L		ND	ND	ND	ND	EPA 625	5	0.11 - 0.19	50.0
Phenol	ug/L		33.3	23.6	28.5	33.3	EPA 625	1	0.10 - 0.14	10.0
pH	SU	7.7	7.5	7.5	7.7	8.0	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	0.19 - 0.27	100
Selenium	mg/L	DNQ Est. Conc. 0.00095	DNQ Est. Conc. 0.00081	DNQ Est. Conc. 0.00057	ND	DNQ Est. Conc. 0.00095	EPA 200.8	0.002	0.00004 - 0.00010	0.00100
Silver	ug/L		0.23	DNQ Est. Conc. 0.19	0.12	0.23	EPA 200.8	0.25	0.01 - 0.02	0.20
Technical chlordane	ug/L		ND	ND	ND	ND	EPA 608	0.1	0.01 - 0.03	0.05
Tetrachloroethylene	ug/L		ND	ND	4.9	9.7	EPA 624	2	0.18 - 0.23	0.50
Thallium	ug/L		ND	ND	ND	ND	EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.33	0.26	0.51	EPA 624	2	0.17 - 0.19	0.50
Total chromium	ug/L		2.93	2.93	3.13	3.32	EPA 200.8	0.5	0.11	0.50
Total Suspended Solids	mg/L	329	403	277	310	403	SM 2540D		2.5	50.0 - 83.3
Toxaphene	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.5
Trichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	2	0.13 - 0.28	0.50
Vinyl chloride	ug/L		ND	ND	ND	ND	EPA 624	2	0.22 - 0.26	0.50
Zinc	ug/L		152	104	128	152	EPA 200.8	1	0.60 - 0.66	1.00

(1) Compound found in the blank and sample.

(2) Reported blanks were the estimated maximum possible concentration of each analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative criteria and indicates a possible interference.

Pomona WRP Effluent Monitoring

Pomona Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L						ND				
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,2,3-Trichloropropane	ug/L						ND				
1,2,3,4,6,7,8-HeptaCDD	pg/L						ND				
1,2,3,4,6,7,8-HeptaCDF	pg/L						ND				
1,2,3,4,7,8-HexaCDD	pg/L						ND				
1,2,3,4,7,8-HexaCDF	pg/L						ND				
1,2,3,4,7,8,9-HeptaCDF	pg/L						ND				
1,2,3,6,7,8-HexaCDD	pg/L						DNQ Est. Conc. 3.2				
1,2,3,6,7,8-HexaCDF	pg/L						ND				
1,2,3,7,8-PentaCDD	pg/L						ND				
1,2,3,7,8-PentaCDF	pg/L						ND				
1,2,3,7,8,9-HexaCDD	pg/L						DNQ Est. Conc. 1.5				
1,2,3,7,8,9-HexaCDF	pg/L						ND				
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L						0.98				
2-Chloroethylvinyl ether	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L						ND				
2-Chlorophenol	ug/L						ND				
2-Methyl-4,6-dinitrophenol	ug/L						ND				
2-Nitrophenol	ug/L						ND				
2,3,4,6,7,8-HexaCDF	pg/L						ND				
2,3,4,7,8-PentaCDF	pg/L						ND				
2,3,7,8-TCDD	pg/L						ND		ND		
2,3,7,8-TetraCDF	pg/L						ND				
2,4-Dichlorophenol	ug/L						ND				
2,4-Dimethylphenol	ug/L						ND				
2,4-Dinitrophenol	ug/L						ND				
2,4-Dinitrotoluene	ug/L						ND				
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.14		ND		ND		ND		ND
2,6-Dinitrotoluene	ug/L						ND				
3-Methyl-4-chlorophenol	ug/L						ND				
3,3'-Dichlorobenzidine	ug/L						ND				
4-Bromophenyl phenyl ether	ug/L						ND				
4-Chlorophenyl phenyl ether	ug/L						ND				
4-Nitrophenol	ug/L						ND				
4,4-DDD	ug/L		ND		ND		ND		ND		ND
4,4-DDE	ug/L		ND		ND		ND		ND		ND
4,4-DDT	ug/L		ND		ND		ND		ND		ND
Acenaphthene	ug/L						ND				
Acenaphthylene	ug/L						ND				
Acrolein	ug/L						ND				
Acrylonitrile	ug/L						ND				
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND

Pomona Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.07 - 0.23	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.14	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.14	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.13	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.20	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.16	0.50
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.012	0.050
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.22 - 0.65	53
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.37 - 0.68	53
1,2,3,4,7,8-HexaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.19 - 0.82	53
1,2,3,4,7,8-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.52	51 - 53
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.47 - 0.89	53
1,2,3,6,7,8-HexaCDD	pg/L		ND	ND	ND	DNQ Est. Conc. 3.2			EPA 1613B		0.19 - 0.49	51 - 53
1,2,3,6,7,8-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.44 - 0.45	51 - 53
1,2,3,7,8-PentaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.47 - 0.96	53
1,2,3,7,8-PentaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.29 - 0.34	51 - 53
1,2,3,7,8,9-HexaCDD	pg/L		ND	ND	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.17 - 0.41	51 - 53
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 0.41	ND	ND	DNQ Est. Conc. 0.41			EPA 1613B		0.24 - 0.39	51 - 53
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
1,3-Dichloropropene (Total)	ug/L		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.26	0.50
1,4-Dioxane	ug/L			0.98	0.98	0.98			SW-846 8270MOD		0.05	0.40
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND			EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.28 - 0.37	51 - 53
2,3,4,7,8-PentaCDF	pg/L		DNQ Est. Conc. 0.38	ND	ND	DNQ Est. Conc. 0.38			EPA 1613B		0.32 - 0.36	51 - 53
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.18 - 0.61	10 - 11
2,3,7,8-TetraCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.20 - 0.27	10 - 11
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.14			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	1.3 - 1.4	10.0
4,4-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L		ND	ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L		ND	ND	ND	ND			EPA 624		0.57 - 1.3	2.0
Acrylonitrile	ug/L		ND	ND	ND	ND			EPA 624		0.20 - 0.38	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01

Pomona Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
alpha-Endosulfan	ug/L						ND				
Ammonia nitrogen	mg/L	1.96	2.60	3.36	2.44	2.48	2.02	1.82	2.04	2.97	1.72
Anthracene	ug/L						ND				
Antimony	ug/L		DNQ Est. Conc. 0.36				0.52		DNQ Est. Conc. 0.48		
Aroclor 1016	ug/L		ND		ND		ND		ND		ND
Aroclor 1221	ug/L		ND		ND		ND		ND		ND
Aroclor 1232	ug/L		ND		ND		ND		ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND		ND		ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND		ND		ND		ND
Arsenic	ug/L		1.04				DNQ Est. Conc. 0.79		1.01		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L						ND				
Benzo(a)anthracene	ug/L						ND				
Benzo(a)pyrene	ug/L		ND				ND				
Benzo(b)fluoranthene	ug/L						ND				
Benzo(g,h,i)perylene	ug/L						ND				
Benzo(k)fluoranthene	ug/L						ND				
Beryllium	ug/L		ND				ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
beta-Endosulfan	ug/L						ND				
Bis(2-chloroethoxy)methane	ug/L						ND				
bis(2-Chloroethyl) ether	ug/L						ND				
bis(2-Chloroisopropyl) ether	ug/L						ND				
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	3
Boron	mg/L	0.24	0.22	0.21	0.28	0.26	0.26	0.23	0.25	0.27	0.26
Bromodichloromethane	ug/L	11.2	14.3	3.0	4.2	10.0	7.2	6.2	2.8	6.6	4.5
Bromoform	ug/L	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.13	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ug/L						ND				
Cadmium	ug/L		DNQ Est. Conc. 0.063				DNQ Est. Conc. 0.060		ND		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	155	153	148	123	143	120	136	114	118	127
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	22.6	25.5	10.0	15.1	32.3	25.2	20.6	10.9	22.7	19.1
Chlorpyrifos	ug/L						ND				
Chromium III	ug/L						0.64				
Chromium VI	ug/L		DNQ Est. Conc. 0.04				ND		0.07		
Chrysene	ug/L						ND				
Copper	ug/L		4.91				4.36		3.27		
Cyanide	ug/L			DNQ Est. Conc. 3.1			DNQ Est. Conc. 2.2		DNQ Est. Conc. 2.3		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Di-n-butyl phthalate	ug/L						ND				
Di-n-octyl phthalate	ug/L						ND				
Diazinon	ug/L						ND				
Dibenzo(a,h)anthracene	ug/L						ND				
Dibromochloromethane	ug/L	2.6	3.3	DNQ Est. Conc. 0.48	0.60	1.5	1.1	0.89	DNQ Est. Conc. 0.31	0.88	0.61
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L						ND				
Dimethyl phthalate	ug/L						ND				
Dissolved oxygen	mg/L	7.1	6.0	5.0	6.4	6.8	5.7	4.4	5.5	5.0	5.8
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L						ND				
Endrin aldehyde	ug/L						ND				

Pomona Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
alpha-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.02	0.001	0.01
Ammonia nitrogen	mg/L	2.06	1.99	1.72	2.29	3.36	8.4	4.1	SM4500 NH3 G		0.020	0.200 - 0.400
Anthracene	ug/L		ND	ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	ug/L		DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.36	0.13	0.52			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L		1.17	DNQ Est. Conc. 0.79	0.81	1.17			EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L		ND	ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA525.2/EPA610		0.007 - 0.070	0.020 - 0.10
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L		ND	ND	ND	ND			EPA 625	5	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L		ND	ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
beta-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Bis(2-chloroethoxy)methane	ug/L		ND	ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND		4	EPA 625	5	0.17 - 0.25	2.0
BOD	mg/L	4	ND	ND	0.6	4	45	20	SM 5210B		0.6	3
Boron	mg/L	0.29	0.27	0.21	0.25	0.29		1	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L	6.6	13.9	2.8	7.5	14.3			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.28	ND	ND	DNQ Est. Conc. 0.44			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L		DNQ Est. Conc. 0.080	ND	ND	DNQ Est. Conc. 0.080			EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	129	141	114	134	155		180	EPA 300.0		0.030 - 0.190	4.00 - 10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.17	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.26	0.50
Chloroform	ug/L	17.0	41.4	10.0	21.9	41.4			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L		0.90	0.64	0.77	0.90			EPA 200.8			0.50
Chromium VI	ug/L		0.06	ND	0.03	0.07			EPA 218.6 (Diss.)		0.01 - 0.048	0.05 - 0.2
Chrysene	ug/L		ND	ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L		4.84	3.27	4.35	4.91			EPA 200.8	0.5	0.11 - 0.16	0.50
Cyanide	ug/L		DNQ Est. Conc. 2.5	DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 3.1			SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004	0.05
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L	1.1	2.4	DNQ Est. Conc. 0.31	1.2	3.3			EPA 624	2	0.08 - 0.22	0.50
Dieldrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	6.6	6.3	4.4	5.9	7.1			HACH10360LDO/SM4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan sulfate	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Endrin	ug/L		ND		ND		ND		ND		ND
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L						ND				
Fluoride	mg/L		0.276		0.242		0.272		0.331		0.352
gamma-BHC	ug/L		ND		DNQ Est. Conc. 0.009		ND		ND		ND
Gross alpha radioactivity	pCi/L		1.02				1.85		1.54		
Gross beta radioactivity	pCi/L		10.2				7.87		8.23		
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND				ND			ND	
Hexachlorobutadiene	ug/L						ND				
Hexachlorocyclopentadiene	ug/L		ND				ND			ND	
Hexachloroethane	ug/L						ND				
Indeno (1,2,3-cd) pyrene	ug/L						ND				
Iron	ug/L		28.5				24.0		45.7		
Isophorone	ug/L						ND				
Lead	ug/L	0.28	0.34	0.32	0.27	0.30	0.29	0.33	0.29	0.53	0.44
Mercury	ug/L		0.0019				0.0014		0.00085		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		DNQ Est. Conc. 0.20		ND
Methyl tert-butyl ether	ug/L		ND				ND		ND		
Methylene chloride	ug/L		ND		ND		ND		ND		ND
N-Nitrosodi-n-propylamine	ug/L						ND				
n-Nitrosodimethylamine (NDMA)	ug/L	0.13	0.091	0.094	0.14	0.20	0.18	0.17	0.33	0.24	0.29
n-Nitrosodiphenylamine	ug/L						ND				
Naphthalene	ug/L						ND				
Nickel	ug/L		1.38				1.28		1.75		
Nitrate + nitrite as nitrogen	mg/L	7.62	5.42	4.41	7.01	6.25	7.43	7.23	6.47	6.79	6.48
Nitrate as nitrogen	mg/L	7.50	5.27	3.86	6.80	6.02	7.28	7.96	6.29	6.67	6.39
Nitrite as nitrogen	mg/L	0.125	0.151	0.553	0.206	0.226	0.146	0.099	0.176	0.119	0.094
Nitrobenzene	ug/L						ND				
OctaCDD	pg/L						ND				
OctaCDF	pg/L						ND				
Oil and grease	mg/L		ND				ND		ND		
Organic nitrogen	mg/L	1.46	2.18	1.70	1.44	1.40	1.58	0.762	1.04	1.37	1.62
Orthophosphate-P	mg/L		0.249				0.372		0.099		
P129/138/163	pg/L						ND (1)				
P61/70/74/76	pg/L						ND (1)				
P90/101/113	pg/L						ND (1)				
PCB-105	pg/L						DNQ Est. Conc. 6.1				
PCB-114	pg/L						ND				
PCB-118	pg/L						ND (1)				
PCB-123	pg/L						ND				
PCB-126	pg/L						ND				
PCB-158	pg/L						ND				
PCB-167	pg/L						ND				
PCB-169	pg/L						DNQ Est. Conc. 6.4				
PCB-170	pg/L						ND (1)				
PCB-183	pg/L						ND				
PCB-187	pg/L						ND				
PCB-189	pg/L						ND				
PCB-194	pg/L						ND				
PCB-201	pg/L						ND				

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Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.12 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L		ND	ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L		0.308	0.242	0.297	0.352			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC	ug/L		ND	ND	ND	DNQ Est. Conc. 0.009			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		ND	ND	1.10	1.85			EPA 900.0		1.11 - 2.11	1.11 - 2.11
Gross beta radioactivity	pCi/L		11.0	7.87	9.33	11.0			EPA 900.0		0.902 - 2.24	0.902 - 2.24
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA508.1/EPA625		0.0030 - 0.18	0.050 - 1.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA508.1/EPA625		0.014 - 0.75	0.050 - 5.0
Hexachloroethane	ug/L		ND	ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L		41.6	24.0	35.0	45.7			EPA 200.8		3.0	20.0
Isophorone	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L	0.29	0.38	0.27	0.34	0.53	166 (2)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.0055	0.00085	0.0024	0.0055			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.20			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether	ug/L		ND	ND	ND	ND			EPA 624		0.12 - 0.16	0.50
Methylene chloride	ug/L		DNQ Est. Conc. 0.10	ND	ND	DNQ Est. Conc. 0.10			EPA 624	2	0.09 - 0.20	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA1625 (Mod.)/EPA625	5	0.0003 - 0.19	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.69	0.15	0.091	0.23	0.69			EPA 1625 (Modified)	5	0.0005 - 0.0050	0.0020 - 0.020
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L		ND	ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	ug/L		1.98	1.28	1.60	1.98			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	7.34	5.87	4.41	6.53	7.62		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	7.25	5.77	3.86	6.42	7.96			SM4500NO3D/SM4500NO3F		0.02 - 0.030	0.200 - 1.00
Nitrite as nitrogen	mg/L	0.090	0.098	0.090	0.17	0.553		1	SM4500NO2 B/SM4500NO3 F		0.001 - 0.009	0.020 - 0.040
Nitrobenzene	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.16 - 0.88	110
OctaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.21 - 1.6	110
Oil and grease	mg/L		ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.2 - 4.6
Organic nitrogen	mg/L	1.94	1.75	0.762	1.52	2.18			EPA351.2/SM4500 NH3G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L		0.279	0.099	0.25	0.372			EPA 365.1		0.001	0.030
P129/138/163	pg/L			ND (1)	ND	ND (1)			EPA 1668		3.2	620
P61/70/74/76	pg/L			ND (1)	ND	ND (1)			EPA 1668		2.3	830
P90/101/113	pg/L			ND (1)	ND	ND (1)			EPA 1668		3.0	620
PCB-105	pg/L			DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 6.1			EPA 1668		2.4	21
PCB-114	pg/L			ND	ND	ND			EPA 1668		2.5	21
PCB-118	pg/L			ND (1)	ND	ND (1)			EPA 1668		2.4	21
PCB-123	pg/L			ND	ND	ND			EPA 1668		2.6	21
PCB-126	pg/L			ND	ND	ND			EPA 1668		2.5	21
PCB-158	pg/L			ND	ND	ND			EPA 1668		2.5	210
PCB-167	pg/L			ND	ND	ND			EPA 1668		1.7	21
PCB-169	pg/L			DNQ Est. Conc. 6.4	ND	DNQ Est. Conc. 6.4			EPA 1668		1.8	21
PCB-170	pg/L			ND (1)	ND	ND (1)			EPA 1668		1.9	210
PCB-183	pg/L			ND	ND	ND			EPA 1668		1.5	210
PCB-187	pg/L			ND	ND	ND			EPA 1668		4.0	210
PCB-189	pg/L			ND	ND	ND			EPA 1668		3.1	21
PCB-194	pg/L			ND	ND	ND			EPA 1668		4.5	210
PCB-201	pg/L			ND	ND	ND			EPA 1668		1.7	210

Pomona Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-206	pg/L						ND				
PCB-37	pg/L						DNQ Est. Conc. 8.7				
PCB-52	pg/L						DNQ Est. Conc. 44 (1)				
PCB-66	pg/L						ND (1)				
PCB-77	pg/L						ND				
PCB-81	pg/L						ND				
PCB-99	pg/L						DNQ Est. Conc. 7.9				
PCB110/115	pg/L						ND (1)				
PCB128/166	pg/L						ND				
PCB135/151	pg/L						ND				
PCB147/149	pg/L						DNQ Est. Conc. 14				
PCB153/168	pg/L						ND (1)				
PCB156/157	pg/L						ND				
PCB18/30	pg/L						DNQ Est. Conc. 55 (1)				
PCB180/193	pg/L						ND (1)				
PCB20/28	pg/L						DNQ Est. Conc. 60 (1)				
PCB44/47/65	pg/L						DNQ Est. Conc. 99 (1)				
PCB49/69	pg/L						DNQ Est. Conc. 14 (1)				
PCB-86/87/97/108/119	pg/L						DNQ Est. Conc. 18				
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.18	0.067	0.18	0.17	0.2	0.27	0.73	0.65	0.53	0.45
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		DNQ Est. Conc. 0.18		DNQ Est. Conc. 0.21		DNQ Est. Conc. 0.35		DNQ Est. Conc. 0.23		DNQ Est. Conc. 0.21
pH	SU	7.5	7.4	7.4	7.4	7.5	7.4	7.5	7.4	7.4	7.4
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L		ND		ND		ND		ND		ND
Pyrene	ug/L						ND				
Selenium	ug/L	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.22
Settleable Solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		DNQ Est. Conc. 0.02				DNQ Est. Conc. 0.02		DNQ Est. Conc. 0.02		
Strontium-90	pCi/L		0.235				0.000		ND		
Sulfate	mg/L	67.7	73.0	64.1	57.9	87.0	55.1	58.5	61.4	85.5	73.0
Surfactant (CTAS)	mg/L		ND				ND		ND		
Surfactant (MBAS)	mg/L		ND		ND		ND		ND		ND
Technical chlordane	ug/L		ND				ND		ND		
Temperature	Degrees F	70.0	70.9	74.3	76.6	77.8	80.9	83.2	82.0	82.9	80.2
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		ND		DNQ Est. Conc. 0.15		DNQ Est. Conc. 0.24		ND		ND
Total chromium	ug/L		0.79				0.64		1.0		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	620	600	580	506	506	502	508	496	526	544
Total hardness	mg/L	203	205	347	153	181	167	159	174	186	200
Total Kjeldahl Nitrogen (TKN)	mg/L	3.42	4.78	5.06	3.88	3.88	3.60	2.58	3.08	4.34	3.34
Total nitrogen	mg/L	11.0	10.2	9.47	10.9	10.1	11.0	10.6	10.0	11.1	9.82
Total phosphorus	mg/L		0.470				0.431		0.153		
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	36.7	43.5	13.7	20.0	43.8	33.5	27.7	14.0	30.2	24.2
TotPCBCong	pg/L						ND				
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	pg/L						ND				
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		463				214		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.73	0.52	0.55	0.76	0.66	0.76	0.47	0.57	0.58	0.55
Uranium	pCi/L		0.688				0		0.000		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		79.5				66.7		85.4		

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Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-206	pg/L			ND	ND	ND			EPA 1668		4.6	210
PCB-37	pg/L			DNQ Est. Conc. 8.7	ND	DNQ Est. Conc. 8.7			EPA 1668		2.1	210
PCB-52	pg/L			DNQ Est. Conc. 44 (1)	ND	DNQ Est. Conc. 44 (1)			EPA 1668		1.9	210
PCB-66	pg/L			ND (1)	ND	ND (1)			EPA 1668		2.4	210
PCB-77	pg/L			ND	ND	ND			EPA 1668		1.8	21
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.9	21
PCB-99	pg/L			DNQ Est. Conc. 7.9	ND	DNQ Est. Conc. 7.9			EPA 1668		2.8	210
PCB110/115	pg/L			ND (1)	ND	ND (1)			EPA 1668		2.6	410
PCB128/166	pg/L			ND	ND	ND			EPA 1668		3.1	410
PCB135/151	pg/L			ND	ND	ND			EPA 1668		3.4	410
PCB147/149	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		3.3	410
PCB153/168	pg/L			ND (1)	ND	ND (1)			EPA 1668		2.8	410
PCB156/157	pg/L			ND	ND	ND			EPA 1668		2.2	41
PCB18/30	pg/L			DNQ Est. Conc. 55 (1)	ND	DNQ Est. Conc. 55 (1)			EPA 1668		2.5	410
PCB180/193	pg/L			ND (1)	ND	ND (1)			EPA 1668		1.5	410
PCB20/28	pg/L			DNQ Est. Conc. 60 (1)	ND	DNQ Est. Conc. 60 (1)			EPA 1668		3.0	410
PCB44/47/65	pg/L			DNQ Est. Conc. 99 (1)	ND	DNQ Est. Conc. 99 (1)			EPA 1668		1.7	620
PCB49/69	pg/L			DNQ Est. Conc. 14 (1)	ND	DNQ Est. Conc. 14 (1)			EPA 1668		1.5	410
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18			EPA 1668		3.0	1200
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L	0.24	0.18	0.067	0.3	0.73			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.35			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.4	7.4	7.4	7.4	7.5			SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L		ND	ND	ND	ND			EPA 608			
Pyrene	ug/L		ND	ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.22	ND	DNQ Est. Conc. 0.48	6.2 (3)	4.7 (3)	EPA 200.8	2	0.04 - 0.10	1.00
Settleable Solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L		ND	ND	ND	DNQ Est. Conc. 0.02			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L		ND	ND	0.0588	0.235			EPA 905.0		0.290 - 0.491	0.290 - 0.491
Sulfate	mg/L	65.5	65.3	55.1	67.8	87.0		300	EPA 300.0		0.020 - 0.120	0.500 - 2.50
Surfactant (CTAS)	mg/L		ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L		ND	ND	ND	ND		0.5	SM 5540C		0.03	0.10
Technical chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	Degrees F	77.4	72.8	70.0	77.4	83.2	86 (4)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16 - 0.23	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		DNQ Est. Conc. 0.20	ND	ND	DNQ Est. Conc. 0.24			EPA 624	2	0.06 - 0.19	0.50
Total chromium	ug/L		0.96	0.64	0.85	1.0			EPA 200.8	0.5	0.11	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	240	23 (5)	SM 9222B		1	1
Total dissolved solids	mg/L	538	513	496	537	620		750	SM 2540C		2.7	50.0 - 62.5
Total hardness	mg/L	187	193	153	196	347			EPA200.8/SM2340C			0.05 - 12
Total Kjeldahl Nitrogen (TKN)	mg/L	4.00	3.74	2.58	3.81	5.06			EPA 351.2		0.135	0.400
Total nitrogen	mg/L	11.3	9.61	9.47	10.4	11.3			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L		0.362	0.153	0.354	0.470			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	24.9	58.0	13.7	30.9	58.0		80	EPA 624			0.50
TotPCBCong	pg/L			ND	ND	ND			EPA 1668			
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	pg/L		ND	ND	ND	ND			EPA 1613B			
Trichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L		246	ND	231	463			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.51	0.58	0.47	0.60	0.76	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.648	0	0.229	0.688			EPA 908.0		0.342 - 0.470	0.342 - 0.470
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.22 - 0.37	0.50
Zinc	ug/L		75.7	66.7	76.8	85.4			EPA 200.8	1	0.60 - 0.66	1.00

(1) Compound was found in the blank and sample.
(2) Wet weather effluent limit.
(3) Dry weather effluent limit.
(4) The temperature of wastes discharged shall not exceed 86°F except as a result of external ambient temperature.
(5) The number of total coliform bacteria may not exceed 23/100 mL in one sample within any 30 day period.

San Jose Creek WRP, East, Influent Monitoring

San Jose Creek East Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethene	ug/L		ND						ND	
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,2-Dichlorobenzene	ug/L		ND						ND	
1,2-Dichloroethane	ug/L		ND						ND	
1,2-Dichloropropane	ug/L		ND						ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2,4-Trichlorobenzene	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene (Total)	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		ND						ND	
2-Chloroethyl vinyl ether (mixed)	ug/L		ND						ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND						ND	
2,3,7,8-TCDD	pg/L		ND						ND	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		ND						ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND						ND	
4,4'-DDE	ug/L		ND						ND	
4,4'-DDT	ug/L		ND						ND	
PCB-086/087/097/108/119/125	pg/L								DNQ Est. Conc. 200	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		DNQ Est. Conc. 0.28						DNQ Est. Conc. 0.36	
Aldrin	ug/L		ND						ND	
alpha-BHC	ug/L		DNQ Est. Conc. 0.006						ND	
Anthracene	ug/L		ND						ND	
Antimony	ug/L		2.04						1.34	
Aroclor 1016	ug/L								ND	
Aroclor 1221	ug/L								ND	
Aroclor 1232	ug/L								ND	
Aroclor 1242	ug/L								ND	
Aroclor 1248	ug/L								ND	
Aroclor 1254	ug/L								ND	
Aroclor 1260	ug/L								ND	
Arsenic	ug/L		3.97						3.04	
Benzene	ug/L		ND						ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	

San Jose Creek East Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.25 - 0.48	11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.4	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
PCB-086/087/097/108/119/125	pg/L				DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200	EPA 1668		4.6	1300
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				DNQ Est. Conc. 0.28	ND	DNQ Est. Conc. 0.36	EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	DNQ Est. Conc. 0.006	EPA 608	0.01	0.001	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L				1.34	1.69	2.04	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L				3.04	3.51	3.97	EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0

San Jose Creek East Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Benzo(a)pyrene	ug/L		ND						ND	
Benzo(b)fluoranthene	ug/L		ND						ND	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND						ND	
beta-BHC	ug/L		0.006						ND	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 8.3						20.0	
Bromodichloromethane	ug/L		1.0						DNQ Est. Conc. 0.30	
Bromoform	ug/L		DNQ Est. Conc. 0.49						DNQ Est. Conc. 0.18	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		0.33						0.39	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chlorodibromomethane	ug/L		0.74						DNQ Est. Conc. 0.16	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		6.4						6.1	
Chromium III	ug/L			7.07					5.13	
Chromium VI	ug/L			0.11					0.06	
Chromium, total	ug/L		11.4 (1)	7.18 (1)					10.3	
Chrysene	ug/L		ND						ND	
Copper	ug/L		224						141	
delta-BHC	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND						ND	
Diethyl phthalate	ug/L		DNQ Est. Conc. 4.0						DNQ Est. Conc. 3.9	
Dimethyl phthalate	ug/L		ND						ND	
Endosulfan II	ug/L		ND						ND	
Endosulfan I	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Ethylbenzene	ug/L		ND						DNQ Est. Conc. 0.28	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
gamma-BHC (Lindane)	ug/L		DNQ Est. Conc. 0.005						ND	
Heptachlor epoxide	ug/L		ND						ND	
Heptachlor	ug/L		ND						ND	
Hexachlorobenzene	ug/L		ND						ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND						ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Isophorone	ug/L		ND						ND	
Lead	ug/L	3.65	5.04	0.70	1.16	3.86	2.26	8.05	4.64	0.69
Mercury	ug/L		0.57						0.48	
Methyl bromide (Bromomethane)	ug/L		ND						ND	
Methyl chloride (Chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		4.0						0.80	

San Jose Creek East Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.23	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				ND	0.003	0.006	EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 8.3	10	20.0	EPA 625	5	0.25	20.0
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.30	0.50	1.0	EPA 624	2	0.17	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.49	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Cadmium	ug/L				0.33	0.36	0.39	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.16	0.37	0.74	EPA 624	2	0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L				6.1	6.3	6.4	EPA 624	2	0.18	0.50
Chromium III	ug/L				5.13	6.10	7.07	EPA 200.8			0.50
Chromium VI	ug/L				0.06	0.09	0.11	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				10.3	10.3	10.3	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L				141	183	224	EPA 200.8	0.5	0.11	0.50 - 2.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 3.9	ND	DNQ Est. Conc. 4.0	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.01 - 0.02
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01 - 0.02
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L				ND	ND	DNQ Est. Conc. 0.28	EPA 624	2	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.005	EPA 608	0.02	0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L	2.46	2.46	1.22	0.69	3.0	8.05	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L				0.48	0.53	0.57	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L				0.80	2.4	4.0	EPA 624	2	0.18	0.50

Parameter	Units	January	February	March	April	May	June	July	August	September
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		17.8						10.1	
Nitrobenzene	ug/L		ND						ND	
PCB-129/138/163	pg/L								DNQ Est. Conc. 210 (2)	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 280 (2)	
PCB-90/101/113	pg/L								DNQ Est. Conc. 290 (2)	
PCB-105	pg/L								95	
PCB-114	pg/L								DNQ Est. Conc. 7.2	
PCB-118	pg/L								190 (2)	
PCB-123	pg/L								DNQ Est. Conc. 7.2	
PCB-126	pg/L								ND	
PCB-158	pg/L								DNQ Est. Conc. 18	
PCB-167	pg/L								DNQ Est. Conc. 6.6	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 38 (2)	
PCB-177	pg/L								DNQ Est. Conc. 25 (2)	
PCB-183	pg/L								DNQ Est. Conc. 35 (2)	
PCB-187	pg/L								DNQ Est. Conc. 54 (2)	
PCB-189	pg/L								ND	
PCB-194	pg/L								DNQ Est. Conc. 18	
PCB-201	pg/L								DNQ Est. Conc. 5.0	
PCB-206	pg/L								DNQ Est. Conc. 15	
PCB-37	pg/L								DNQ Est. Conc. 45	
PCB-52	pg/L								340 (2)	
PCB-66	pg/L								DNQ Est. Conc. 130	
PCB-77	pg/L								DNQ Est. Conc. 13	
PCB-81	pg/L								ND	
PCB-99	pg/L								DNQ Est. Conc. 110	
PCB-110/115	pg/L								DNQ Est. Conc. 310 (2)	
PCB-128/166	pg/L								DNQ Est. Conc. 22	
PCB-135/151	pg/L								DNQ Est. Conc. 61	
PCB-147/149	pg/L								DNQ Est. Conc. 150 (2)	
PCB-153/168	pg/L								DNQ Est. Conc. 170 (2)	
PCB-156/157	pg/L								DNQ Est. Conc. 28	
PCB-18/30	pg/L								DNQ Est. Conc. 110	
PCB-180/193	pg/L								DNQ Est. Conc. 110 (2)	
PCB-20/28	pg/L								DNQ Est. Conc. 160	
PCB-44/47/65	pg/L								DNQ Est. Conc. 430 (2)	
PCB-49/69	pg/L								DNQ Est. Conc. 110 (2)	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		30.2						50.1	
pH	SU	7.5	7.5	7.5	7.2	7.3	7.2	7.0	7.1	7.0
Pyrene	ug/L		ND						ND	
Selenium	ug/L	2.00	1.69	DNQ Est. Conc. 0.90	DNQ Est. Conc. 0.91	1.34	5.70	1.34	1.39	DNQ Est. Conc. 0.81
Silver	ug/L		0.67						0.85	
Technical Chlordane	ug/L		ND						ND	
Tetrachloroethene	ug/L		ND						ND	
Thallium	ug/L		DNQ Est. Conc. 0.020						ND	
Toluene	ug/L		1.2						1.5	

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.12	0.020 - 50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.14	0.020 - 50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	ug/L				10.1	14.0	17.8	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0
PCB-129/138/163	pg/L				DNQ Est. Conc. 210 (2)	ND	DNQ Est. Conc. 210 (2)	EPA 1668		2.8	630
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 280 (2)	ND	DNQ Est. Conc. 280 (2)	EPA 1668		3.1	840
PCB-90/101/113	pg/L				DNQ Est. Conc. 290 (2)	ND	DNQ Est. Conc. 290 (2)	EPA 1668		4.6	630
PCB-105	pg/L				95	95	95	EPA 1668		4.7	21
PCB-114	pg/L				DNQ Est. Conc. 7.2	ND	DNQ Est. Conc. 7.2	EPA 1668		4.3	21
PCB-118	pg/L				190 (2)	190 (2)	190 (2)	EPA 1668		3.6	21
PCB-123	pg/L				DNQ Est. Conc. 7.2	ND	DNQ Est. Conc. 7.2	EPA 1668		4.4	21
PCB-126	pg/L				ND	ND	ND	EPA 1668		4.1	21
PCB-158	pg/L				DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		2.2	210
PCB-167	pg/L				DNQ Est. Conc. 6.6	ND	DNQ Est. Conc. 6.6	EPA 1668		2.4	21
PCB-169	pg/L				ND	ND	ND	EPA 1668		2.7	21
PCB-170	pg/L				DNQ Est. Conc. 38 (2)	ND	DNQ Est. Conc. 38 (2)	EPA 1668		1.6	210
PCB-177	pg/L				DNQ Est. Conc. 25 (2)	ND	DNQ Est. Conc. 25 (2)	EPA 1668		1.6	210
PCB-183	pg/L				DNQ Est. Conc. 35 (2)	ND	DNQ Est. Conc. 35 (2)	EPA 1668		1.2	210
PCB-187	pg/L				DNQ Est. Conc. 54 (2)	ND	DNQ Est. Conc. 54 (2)	EPA 1668		2.8	210
PCB-189	pg/L				ND	ND	ND	EPA 1668		4.5	21
PCB-194	pg/L				DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		5.7	210
PCB-201	pg/L				DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0	EPA 1668		1.2	210
PCB-206	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15	EPA 1668		4.6	210
PCB-37	pg/L				DNQ Est. Conc. 45	ND	DNQ Est. Conc. 45	EPA 1668		26	210
PCB-52	pg/L				340 (2)	340 (2)	340 (2)	EPA 1668		1.6	210
PCB-66	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		3.2	210
PCB-77	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		3.6	21
PCB-81	pg/L				ND	ND	ND	EPA 1668		3.2	21
PCB-99	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		4.3	210
PCB-110/115	pg/L				DNQ Est. Conc. 310 (2)	ND	DNQ Est. Conc. 310 (2)	EPA 1668		4.0	420
PCB-128/166	pg/L				DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		2.6	420
PCB-135/151	pg/L				DNQ Est. Conc. 61	ND	DNQ Est. Conc. 61	EPA 1668		2.9	420
PCB-147/149	pg/L				DNQ Est. Conc. 150 (2)	ND	DNQ Est. Conc. 150 (2)	EPA 1668		2.8	420
PCB-153/168	pg/L				DNQ Est. Conc. 170 (2)	ND	DNQ Est. Conc. 170 (2)	EPA 1668		2.4	420
PCB-156/157	pg/L				DNQ Est. Conc. 28	ND	DNQ Est. Conc. 28	EPA 1668		4.0	42
PCB-18/30	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		6.5	420
PCB-180/193	pg/L				DNQ Est. Conc. 110 (2)	ND	DNQ Est. Conc. 110 (2)	EPA 1668		1.3	420
PCB-20/28	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		21	420
PCB-44/47/65	pg/L				DNQ Est. Conc. 430 (2)	ND	DNQ Est. Conc. 430 (2)	EPA 1668		1.5	630
PCB-49/69	pg/L				DNQ Est. Conc. 110 (2)	ND	DNQ Est. Conc. 110 (2)	EPA 1668		1.3	420
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Phenol	ug/L				30.2	40.2	50.1	EPA 625	1	0.14	10.0
pH	SU	7.1	7.2	7.4	7.0	7.3	7.5	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L	1.07	1.12	DNQ Est. Conc. 0.88	DNQ Est. Conc. 0.81	1.3	5.70	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				0.67	0.76	0.85	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.03	0.05
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	DNQ Est. Conc. 0.020	EPA 200.8	1	0.015	0.25
Toluene	ug/L				1.2	1.4	1.5	EPA 624	2	0.19	0.50

San Jose Creek East Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Total BOD 20C	mg/L	506	724	456	370	372	331	448	452	357
Total cyanide	ug/L		DNQ Est. Conc. 1.7						DNQ Est. Conc. 2.2	
Total suspended solids	mg/L	871	1453	730	375	463	425	602	697	408
Toxaphene	ug/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND						ND	
Trichloroethene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		365						380	

San Jose Creek East Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Total BOD 20C	mg/L	395	454	492	331	446	724	SM 5210B		0.6	120 - 150
Total cyanide	ug/L				DNQ Est. Conc. 1.7	ND	DNQ Est. Conc. 2.2	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	430	574	624	375	638	1453	SM 2540D		2.5	83.3 - 100
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L				365	373	380	EPA 200.8	1	0.60	5.00

(1) Grab sample

(2) Blank Contaminatin was observed. Data acceptability critieria are based on EPA Guideline 821-R-07-002(PCB Congeners).

San Jose Creek WRP, East, Effluent Monitoring

San Jose Creek East Water Reclamation Plant
2017 EFF-002 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethene	ug/L		ND		ND		ND		ND		ND
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2,3-Trichloropropane	ug/L		0.0063						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)						ND		
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND						ND		
1,2,3,4,7,8-HexaCDD	pg/L		ND						ND		
1,2,3,4,7,8-HexaCDF	pg/L		ND (1)						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND						ND		
1,2,3,6,7,8-HexaCDD	pg/L		ND (1)						ND		
1,2,3,6,7,8-HexaCDF	pg/L		ND						ND		
1,2,3,7,8-PentaCDD	pg/L		ND						ND		
1,2,3,7,8-PentaCDF	pg/L		ND						ND		
1,2,3,7,8,9-HexaCDD	pg/L		ND						ND		
1,2,3,7,8,9-HexaCDF	pg/L		ND						ND		
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L		0.85						1.1		
2-Chloroethyl vinyl ether (mixed)	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L		ND						ND		
2-Chlorophenol	ug/L		ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND		
2-Nitrophenol	ug/L		ND				ND		ND		
2,3,4,6,7,8-HexaCDF	pg/L		ND (1)						ND		
2,3,4,7,8-PentaCDF	pg/L		ND						ND		
2,3,7,8-TCDD	pg/L		ND				ND		ND		
2,3,7,8-TetraCDF	pg/L		ND (1)						ND		
2,4-Dichlorophenol	ug/L		ND						ND		
2,4-Dimethylphenol	ug/L		ND						ND		
2,4-Dinitrophenol	ug/L		ND						ND		
2,4-Dinitrotoluene	ug/L		ND						ND		
2,4,6-Trichlorophenol	ug/L		ND		ND		ND		ND		ND
2,6-Dinitrotoluene	ug/L		ND						ND		
3-Methyl-4-chlorophenol	ug/L		ND						ND		
3,3'-Dichlorobenzidine	ug/L		ND						ND		
4-Bromophenyl phenyl ether	ug/L		ND						ND		
4-Chlorophenyl phenyl ether	ug/L		ND						ND		
4-Nitrophenol	ug/L		ND						ND		
4,4'-DDD	ug/L		ND		ND		ND		ND		ND
4,4'-DDE	ug/L		ND		ND		ND		ND		ND
4,4'-DDT	ug/L		ND		ND		ND		ND		ND
PCB-086/087/097/108/119/125	pg/L								DNQ Est. Conc. 10		
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		

Parameter	Units	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.07 - 0.23	0.50
1,1-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.14	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.14	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.13	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
1,2,3-Trichloropropane	ug/L			ND	0.0032	0.0063			EPA 524.2 (TCP)		0.0012 - 0.012	0.0050 - 0.050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND	ND	ND (1)			EPA 1613B		0.12 - 2.9	55 - 60
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	ND			EPA 1613B		0.36 - 2.0	55 - 60
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.11 - 2.0	55 - 60
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.083 - 2.1	55 - 60
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND			EPA 1613B		0.50 - 2.6	55 - 60
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND (1)			EPA 1613B		0.10 - 1.9	55 - 60
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.071 - 1.9	55 - 60
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.29 - 9.2	55 - 60
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.12 - 6.1	55 - 60
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.087 - 1.6	55 - 60
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.065 - 1.6	55 - 60
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
1,3-Dichloropropene (Total)	ug/L		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.26	0.50
1,4-Dioxane	ug/L			0.85	0.98	1.1			SW-846 8270MOD 1,4-Dioxane		0.05	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L		ND	ND	ND	ND			EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.062 - 1.5	55 - 60
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.12 - 6.5	55 - 60
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.18 - 4.9	10 - 12
2,3,7,8-TetraCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.081 - 3.8	11 - 12
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.4	10.0
4,4'-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
PCB-086/087/097/108/119/125	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668		1.1	1300
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3	2.0

San Jose Creek East Water Reclamation Plant
2017 EFF-002 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Acrylonitrile	ug/L		ND						ND		
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
Ammonia as nitrogen	mg/L	1.27	1.05	0.884	1.00	0.957	0.991	1.10	1.21	1.15	1.15
Anthracene	ug/L		ND						ND		
Antimony	ug/L		0.82				0.61		0.61		
Aroclor 1016	ug/L		ND		ND				ND		ND
Aroclor 1221	ug/L		ND		ND				ND		ND
Aroclor 1232	ug/L		ND		ND				ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND				ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND				ND		ND
Arsenic	ug/L		1.48				1.06		1.41		
Barium	ug/L		68.0				68.5		66.8		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L		ND						ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND				ND		ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND				ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND		ND		ND		ND
Boron	mg/L	0.31	0.32	0.26	0.30	0.30	0.28	0.24	0.29	0.33	0.28
Bromodichloromethane	ug/L	20.0	20.1	20.9	19.6	17.5	21.5	24.0	24.1	22.4	16.2
Bromoform	ug/L	1.5	0.54	0.71	0.93	DNQ Est. Conc. 0.39	ND	DNQ Est. Conc. 0.49	DNQ Est. Conc. 0.44	0.53	DNQ Est. Conc. 0.23
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		DNQ Est. Conc. 0.050				DNQ Est. Conc. 0.034		DNQ Est. Conc. 0.040		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	156	148	142	136	116	131	126	142	127	133
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chlorodibromomethane	ug/L	12.0	7.7	7.0	8.8	6.3	5.5	6.5	5.7	6.9	3.7
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	20.6	29.0	32.2	23.7	34.6	32.7	43.6	52.1	42.7	36.0
Chlorpyrifos	ug/L								ND		
Chromium III	ug/L			0.86			0.83		0.77		
Chromium VI	ug/L			0.09			0.14		0.17		
Chromium, total (24-hour composite)	ug/L		0.76				0.94		0.91		
Chromium, total (Grab)	ug/L		0.84	0.95			0.97		0.94		
Chrysene	ug/L		ND						ND		
Copper	ug/L		3.53			4.32	3.52		4.56		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Di-n-butyl phthalate	ug/L		ND						ND		
Di-n-octyl phthalate	ug/L		ND						ND		
Diazinon	ug/L		ND						ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L		ND						ND		

Parameter	Units	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ammonia as nitrogen	mg/L	1.13	1.09	0.884	1.08	1.27	6.1(2)/7.8(3)	4.2(2)/5.4(3)	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L		0.64	0.61	0.67	0.82			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L		1.32	1.06	1.32	1.48			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L		68.1	66.8	67.9	68.5			EPA 200.8		0.05-0.08	0.050
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 525.2 & EPA 610	10	0.007 - 0.07	0.020 - 0.10
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Beryllium	ug/L		ND	ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
Boron	mg/L	0.30	0.31	0.24	0.29	0.33		1	EPA 200.8		0.006 - 0.008	0.020 - 0.10
Bromodichloromethane	ug/L	20.9	14.4	14.4	20.1	24.1			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.29	ND	0.35	1.5			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	ug/L		ND	ND	ND	DNQ Est. Conc. 0.050			EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	133	105	105	133	156		180	EPA 300.0		0.030 - 0.190	10.0 - 20.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.17	0.50
Chlorodibromomethane	ug/L	5.4	3.9	3.7	6.6	12.0			EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.26	0.50
Chloroform	ug/L	33.7	27.2	20.6	34.0	52.1			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L		0.61	0.61	0.77	0.86			EPA 200.8			0.50
Chromium VI	ug/L		0.09	0.09	0.1	0.17			EPA 218.6 (Dissolved)		0.0048 - 0.01	0.02 - 0.05
Chromium, total (24-hour composite)	ug/L		0.80	0.76	0.85	0.94			EPA 200.8	0.5	0.11	0.50
Chromium, total (Grab)	ug/L		0.70	0.70	0.88	0.97			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Copper	ug/L	4.27	3.76	3.52	3.99	4.56			EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Diazinon	ug/L			ND	ND	ND			EPA 525.2 & SW-846 8141A		0.004 - 0.096	0.05 - 0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dieldrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21	2.0

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Dimethyl phthalate	ug/L		ND						ND		
Dissolved oxygen	mg/L	8.0	7.7	7.6	7.4	6.9	7.1	7.0	7.1	6.5	7.1
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L		ND						ND		
Endosulfan I	ug/L		ND						ND		
Endosulfan sulfate	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Endrin	ug/L		ND		ND		ND		ND		ND
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L		ND						ND		
Fluoride	mg/L		0.437		0.425		0.438		0.449		0.455
gamma-BHC (Lindane)	ug/L		DNQ Est. Conc. 0.006		DNQ Est. Conc. 0.004		ND		ND		ND
Gross alpha radioactivity	pCi/L		ND				1.65		1.81		
Gross beta radioactivity	pCi/L		9.77				9.51		17.1		
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND				ND		ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND				ND		ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Iron	ug/L		32				37		48		
Isophorone	ug/L		ND						ND		
Lead	ug/L	0.25	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.21	0.30	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.17	0.34
Mercury	ug/L		0.0012				0.00065		0.0019		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND		ND
Methyl tert-butyl ether (MTBE)	ug/L		ND				ND		ND		
Methylene chloride	ug/L		DNQ Est. Conc. 0.26		ND		ND		ND		DNQ Est. Conc. 0.11
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.14	0.099	0.075	0.060	0.024	0.063	0.058	0.084	0.084	0.048
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		5.78				4.09		3.78		
Nitrate + nitrite as nitrogen	mg/L	7.10	6.51	6.14	6.05	5.33	5.52	7.64	6.11	6.70	6.90
Nitrate as nitrogen	mg/L	7.09	6.50	6.10	6.03	5.31	5.51	7.62	6.08	6.68	6.87
Nitrite as nitrogen	mg/L	ND	ND	0.035	ND	ND	ND	ND	0.031	ND	ND
Nitrobenzene	ug/L		ND						ND		
OctaCDD	pg/L		ND (1)						ND		
OctaCDF	pg/L		ND (1)						ND		
Oil and grease	mg/L		ND			ND			ND		
Organic nitrogen	mg/L	1.27	1.25	1.50	1.62	1.40	1.23	0.960	1.25	1.23	1.47
Orthophosphate-P	mg/L	0.188	0.141	0.099	0.140	0.143	0.293	0.117	0.346	0.894	0.291
PCB-129/138/163	pg/L								ND (1)		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 16 (1)		
PCB-90/101/113	pg/L								DNQ Est. Conc. 13 (1)		
PCB-105	pg/L								DNQ Est. Conc. 3.2		
PCB-114	pg/L								ND		
PCB-118	pg/L								ND (1)		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		

Parameter	Units	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	7.0	6.8	6.5	7.2	8.0			HACH 10360 LDO & SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.12 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Fluoride	mg/L		0.417	0.417	0.437	0.455			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.006			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		ND	ND	0.865	1.81			EPA 900.0		1.51 - 2.33	1.51 - 2.33
Gross beta radioactivity	pCi/L		22.4	9.51	14.7	22.4			EPA 900.0		0.949 - 2.28	0.949 - 2.28
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625	1	0.003 - 0.18	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625	5	0.014 - 0.75	0.050 - 5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Iron	ug/L		50	32	42	50			EPA 200.8		3	20
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.17	0.074	0.34	166 (4)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.0036	0.00065	0.0018	0.0036			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L		ND	ND	ND	ND			EPA 624		0.12 - 0.16	0.50
Methylene chloride	ug/L		ND	ND	ND	DNQ Est. Conc. 0.26			EPA 624	2	0.09 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.10	0.034	0.024	0.072	0.14			EPA 1625 (Modified)	5	0.0005 - 0.0050	0.0020 - 0.020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L		6.71	3.78	5.09	6.71			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	6.72	5.48	5.33	6.35	7.64		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	6.70	5.46	5.31	6.33	7.62			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	ND	ND	0.0055	0.035		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L			ND	ND	ND (1)			EPA 1613B		0.18 - 5.2	110 - 120
OctaCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.15 - 4.1	110 - 120
Oil and grease	mg/L	ND		ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 5.0
Organic nitrogen	mg/L	1.43	1.39	0.960	1.33	1.62			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	0.427	0.295	0.099	0.28	0.894			EPA 365.1		0.001	0.030
PCB-129/138/163	pg/L			ND	ND	ND			EPA 1668		1.4	630
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		1.2	840
PCB-90/101/113	pg/L			DNQ Est. Conc. 13 (1)	ND	DNQ Est. Conc. 13 (1)			EPA 1668		1.1	630
PCB-105	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668		0.99	21
PCB-114	pg/L			ND	ND	ND			EPA 1668		0.96	21
PCB-118	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		1.0	21
PCB-123	pg/L			ND	ND	ND			EPA 1668		0.99	21
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.1	21

San Jose Creek East Water Reclamation Plant
2017 EFF-002 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-158	pg/L								ND		
PCB-167	pg/L								ND		
PCB-169	pg/L								ND		
PCB-170	pg/L								ND		
PCB-177	pg/L								ND		
PCB-183	pg/L								ND (1)		
PCB-187	pg/L								ND		
PCB-189	pg/L								ND		
PCB-194	pg/L								ND		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCB-37	pg/L								ND		
PCB-52	pg/L								DNQ Est. Conc. 21 (1)		
PCB-66	pg/L								DNQ Est. Conc. 5.0		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-99	pg/L								DNQ Est. Conc. 4.5 (1)		
PCB-110/115	pg/L								ND (1)		
PCB-128/166	pg/L								ND		
PCB-135/151	pg/L								ND		
PCB-147/149	pg/L								ND (1)		
PCB-153/168	pg/L								ND (1)		
PCB-156/157	pg/L								ND		
PCB-18/30	pg/L								DNQ Est. Conc. 12		
PCB-180/193	pg/L								ND (1)		
PCB-20/28	pg/L								DNQ Est. Conc. 14		
PCB-44/47/65	pg/L								DNQ Est. Conc. 58 (1)		
PCB-49/69	pg/L								DNQ Est. Conc. 5.7 (1)		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.33	0.17	0.33	0.25	0.39	0.32	0.58	0.31	0.3	0.31
pH (Reuse)	SU	7.1	7.0	7.0	7.0	7.0	7.1	7.0	6.9	6.9	6.9
pH (SJC)	SU	7.0	7.0	NR	7.0	NR	6.9	7.0	6.9	6.9	6.9
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		ND		ND		DNQ Est. Conc. 0.50		DNQ Est. Conc. 0.18		ND
Pyrene	ug/L		ND						ND		
Selenium	ug/L	1.32	DNQ Est. Conc. 0.43	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.18
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				DNQ Est. Conc. 0.01		ND		
Strontium-90	pCi/L		0.000				ND		ND		
Sulfate	mg/L	114	121	93.6	101	211	84.0	82.4	88.6	96.0	93.7
Surfactant (CTAS)	mg/L		ND			ND			ND		
Surfactant (MBAS)	mg/L		ND		ND	ND	ND		ND		ND
Technical Chlordane	ug/L		ND				ND		ND		
Temperature (SJC)	Degrees F	73.3	73.7	NR	78.0	NR	83.0	86.0	87.2	86.1	83.7
Tetrachloroethene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		DNQ Est. Conc. 0.32		DNQ Est. Conc. 0.35		ND		ND		DNQ Est. Conc. 0.26
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons (TICH)	ug/L		ND			ND			ND		
Total coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		DNQ Est. Conc. 2.07			ND			DNQ Est. Conc. 2.15		
Total detectable PCB's (Sum of Congeners)	pg/L								ND		

San Jose Creek East Water Reclamation Plant
2017 EFF-002 and Reuse Monitoring Results

Parameter	Units	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-158	pg/L			ND	ND	ND			EPA 1668		1.1	210
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.62	21
PCB-169	pg/L			ND	ND	ND			EPA 1668		0.68	21
PCB-170	pg/L			ND	ND	ND			EPA 1668		0.63	210
PCB-177	pg/L			ND	ND	ND			EPA 1668		0.64	210
PCB-183	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.49	210
PCB-187	pg/L			ND	ND	ND			EPA 1668		1.3	210
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.0	21
PCB-194	pg/L			ND	ND	ND			EPA 1668		1.5	210
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.74	210
PCB-206	pg/L			ND	ND	ND			EPA 1668		1.8	210
PCB-37	pg/L			ND	ND	ND			EPA 1668		2.4	210
PCB-52	pg/L			DNQ Est. Conc. 21 (1)	ND	DNQ Est. Conc. 21 (1)			EPA 1668		1.0	210
PCB-66	pg/L			DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0			EPA 1668		1.3	210
PCB-77	pg/L			ND	ND	ND			EPA 1668		1.3	21
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.3	21
PCB-99	pg/L			DNQ Est. Conc. 4.5 (1)	ND	DNQ Est. Conc. 4.5 (1)			EPA 1668		1.0	210
PCB-110/115	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.95	420
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		1.3	420
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		1.5	420
PCB-147/149	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		1.4	420
PCB-153/168	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		1.2	420
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		1.0	42
PCB-18/30	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		1.9	420
PCB-180/193	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.52	420
PCB-20/28	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		2.4	420
PCB-44/47/65	pg/L			DNQ Est. Conc. 58 (1)	ND	DNQ Est. Conc. 58 (1)			EPA 1668		0.96	630
PCB-49/69	pg/L			DNQ Est. Conc. 5.7 (1)	ND	DNQ Est. Conc. 5.7 (1)			EPA 1668		0.84	420
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L	0.28	0.14	0.14	0.3	0.58			EPA 331.0		0.0201	0.05
pH (Reuse)	SU	7.0	6.9	6.9	7.0	7.1			SM 4500 H+ B		1.00	4.00
pH (SJC)	SU	6.9	NR	6.9	6.9	7.0			SM 4500 H+ B		1.00	4.00
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		DNQ Est. Conc. 0.16	ND	ND	DNQ Est. Conc. 0.50			EPA 625	1	0.10 - 0.14	1.0
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	ug/L	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.18	0.11	1.32	6.5 (5)	4.6 (5)	EPA 200.8	2	0.04 - 0.10	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L		ND	ND	ND	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L		ND	ND	ND	0.000			EPA 905.0		0.318 - 0.682	0.318 - 0.682
Sulfate	mg/L	86.2	69.0	69.0	103	211		300	EPA 300.0		0.020 - 0.120	2.50 - 5.00
Surfactant (CTAS)	mg/L	ND		ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND		0.5	SM 5540C		0.03	0.10
Technical Chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature (SJC)	Degrees F	81.0	NR	73.3	81.3	87.2	86 (6)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16 - 0.23	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.35			EPA 624	2	0.06 - 0.19	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Total chlorinated hydrocarbons (TICH)	ug/L	ND		ND	ND	ND			EPA 608			
Total coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND			SM 922B		1	1
Total coliform	No./100mL	ND	ND	ND	ND	ND	23 (7)		SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 1.24		ND	ND	DNQ Est. Conc. 2.15			SM 4500 CN E	5	1.00	5.00
Total detectable PCB's (Sum of Congeners)	pg/L			ND	ND	ND			EPA 1668			

San Jose Creek East Water Reclamation Plant
2017 EFF-002 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Total detectable PCB's (Sum of Aroclors)	ug/L		ND		ND		ND		ND		ND
Total dissolved solids	mg/L	676	670	658	580	575	589	554	613	582	576
Total hardness (CaCO3)	mg/L	228	210	310	178	179	200	188	180	183	201
Total Kjeldahl Nitrogen (TKN)	mg/L	2.54	2.30	2.38	2.62	2.36	2.22	2.06	2.46	2.38	2.62
Total nitrogen	mg/L	9.64	8.81	8.52	8.67	7.69	7.74	9.70	8.57	9.08	9.52
Total phosphorus	mg/L	0.255	0.191	0.149	0.183	0.216	0.253	0.154	0.378	0.923	0.346
Total residual chlorine (SJC)	mg/L	ND	ND	NR	ND	NR	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	54.1	57.6	60.8	53.0	58.8	59.7	74.6	82.3	72.5	60.8
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	pg/L		ND						ND		
trans-1,2-Dichloroethene	ug/L		ND		ND		ND		ND		ND
Trichloroethene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		349				256		209		
Turbidity (flow proportioned avg daily value)	NTU	0.99	0.72	0.64	0.62	0.64	0.56	0.68	0.67	0.73	0.63
Uranium	pCi/L		1.13				0.163		0.123		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		50.8				62.2		52.4		

San Jose Creek East Water Reclamation Plant
2017 EFF-002 and Reuse Monitoring Results

Parameter	Units	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Total detectable PCB's (Sum of Aroclors)	ug/L		ND	ND	ND	ND			EPA 608			
Total dissolved solids	mg/L	578	528	528	598	676		750	SM 2540C		2.7	50.0 - 71.4
Total hardness (CaCO3)	mg/L	212	196	178	205	310			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.56	2.48	2.06	2.42	2.62			EPA 351.2		0.135	0.400
Total nitrogen	mg/L	9.79	7.66	7.66	8.78	9.79			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.463	0.322	0.149	0.319	0.923			EPA 365.1		0.001	0.030
Total residual chlorine (SJC)	mg/L	ND	NR	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5 - 4.5
Total trihalomethanes	ug/L	60.4	45.8	45.8	61.7	82.3		80	EPA 624			0.50
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.16	0.50
Trichloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L		ND	ND	204	349			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.71	0.65	0.56	0.69	0.99	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.770	0.123	0.547	1.13			EPA 908.0		0.470	0.470
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.22 - 0.37	0.50
Zinc	ug/L		68.9	50.8	58.6	68.9			EPA 200.8	1	0.60 - 0.66	1.00

* No discharge at EFF-002 during this month.

(1) Blank Contamination was observed. Data acceptability criteria are based on EPA Guideline 821-R-07-002(PCB Congeners) and USEPA Region 11 Data validation SOP for EPA Method 1613(TCDD Congeners).

(2) Effluent ammonia limit effective from April 1 to September 30.

(3) Effluent ammonia limit effective from October 1 to March 31.

(4) Wet weather effluent limit.

(5) Dry weather effluent limit.

(6) The Temperature of wastes discharged shall not exceed 86˚ F except as a result of external ambient temperature.

(7) Total coliform cannot exceed 23/100 mL in more than one sample during any 30-day period.

San Jose Creek WRP, West, Influent Monitoring

San Jose Creek West Water Reclamation Plant
2017 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethene	ug/L		ND						ND	
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,2-Dichlorobenzene	ug/L		ND						ND	
1,2-Dichloroethane	ug/L		ND						ND	
1,2-Dichloropropane	ug/L		ND						ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2,4-Trichlorobenzene	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene (Total)	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		ND						ND	
2-Chloroethyl vinyl ether (mixed)	ug/L		ND						ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND						ND	
2,3,7,8-TCDD	pg/L		DNQ Est. Conc. 0.64						ND	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		ND						ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND						ND	
4,4'-DDE	ug/L		ND						ND	
4,4'-DDT	ug/L		ND						ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 440	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		ND						ND	
Aldrin	ug/L		DNQ Est. Conc. 0.004						ND	
alpha-BHC	ug/L		DNQ Est. Conc. 0.006						ND	
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.71						0.60	
Aroclor 1016	ug/L								ND	
Aroclor 1221	ug/L								ND	
Aroclor 1232	ug/L								ND	
Aroclor 1242	ug/L								ND	
Aroclor 1248	ug/L								ND	
Aroclor 1254	ug/L								ND	
Aroclor 1260	ug/L								ND	
Arsenic	ug/L		1.57						1.50	
Benzene	ug/L		ND						ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	

San Jose Creek West Water Reclamation Plant
2017 INF-002 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 50.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0 - 250
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.16	100 - 500
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0 - 250
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.3	50.0 - 250
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.20	100 - 500
2,3,7,8-TCDD	pg/L				ND	ND	DNQ Est. Conc. 0.64	EPA 1613B		0.38 - 1.1	11 - 12
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0 - 250
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11	20.0 - 100
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0 - 250
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20	50.0 - 250
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 500
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.22	50.0 - 250
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 50.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0 - 250
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21	50.0 - 250
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0 - 250
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.4	100 - 500
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 440	ND	DNQ Est. Conc. 440	EPA 1668		8.9	1500
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0 - 50.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14	100 - 500
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	DNQ Est. Conc. 0.004	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	DNQ Est. Conc. 0.006	EPA 608	0.01	0.001	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.18	100 - 500
Antimony	ug/L				0.60	0.66	0.71	EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L				1.50	1.54	1.57	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0 - 250
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0 - 250

San Jose Creek West Water Reclamation Plant
2017 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Benzo(a)pyrene	ug/L		ND						ND	
Benzo(b)fluoranthene	ug/L		ND						ND	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND						ND	
beta-BHC	ug/L		ND						ND	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 23.4						DNQ Est. Conc. 7.6	
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.28						ND	
Bromoform	ug/L		DNQ Est. Conc. 0.33						ND	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		0.27						DNQ Est. Conc. 0.11	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.31						ND	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		3.1						2.0	
Chromium III	ug/L			5.28					5.42	
Chromium VI	ug/L			0.07					DNQ Est. Conc. 0.02	
Chromium, total	ug/L		6.61 (1)	5.36 (1)					3.74	
Chrysene	ug/L		ND						ND	
Copper	ug/L		93.8						59.7	
delta-BHC	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND						ND	
Diethyl phthalate	ug/L		ND						DNQ Est. Conc. 4.1	
Dimethyl phthalate	ug/L		ND						ND	
Endosulfan II	ug/L		ND						ND	
Endosulfan I	ug/L		DNQ Est. Conc. 0.004						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Ethylbenzene	ug/L		DNQ Est. Conc. 0.18						ND	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
gamma-BHC (Lindane)	ug/L		DNQ Est. Conc. 0.006						ND	
Heptachlor epoxide	ug/L		ND						ND	
Heptachlor	ug/L		ND						ND	
Hexachlorobenzene	ug/L		ND						ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND						ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Isophorone	ug/L		ND						ND	
Lead	ug/L	0.96	2.33	0.76	0.84	0.93	2.14	2.10	0.98	0.74
Mercury	ug/L		DNQ Est. Conc. 0.03						0.06	
Methyl bromide (Bromomethane)	ug/L		ND						ND	
Methyl chloride (Chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		0.50						DNQ Est. Conc. 0.30	

San Jose Creek West Water Reclamation Plant
2017 INF-002 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.15	100 - 500
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13	100 - 500
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0 - 250
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.23	100 - 500
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13	50.0 - 250
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0 - 50.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16	20.0 - 100
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 7.6	ND	DNQ Est. Conc. 23.4	EPA 625	5	0.25	20.0 - 100
Bromodichloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.28	EPA 624	2	0.17	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.33	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100 - 500
Cadmium	ug/L				DNQ Est. Conc. 0.11	0.14	0.27	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L				ND	ND	DNQ Est. Conc. 0.31	EPA 624	2	0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L				2.0	2.6	3.1	EPA 624	2	0.18	0.50
Chromium III	ug/L				5.28	5.35	5.42	EPA 200.8			0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.02	0.04	0.07	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				3.74	3.74	3.74	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100 - 500
Copper	ug/L				59.7	76.8	93.8	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100 - 500
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100 - 500
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.15	100 - 500
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 4.1	EPA 625	2	0.21	20.0 - 100
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19	20.0 - 100
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.01 - 0.02
Endosulfan I	ug/L				ND	ND	DNQ Est. Conc. 0.004	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01 - 0.02
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L				ND	ND	DNQ Est. Conc. 0.18	EPA 624	2	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0 - 50.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18	100 - 500
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.006	EPA 608	0.02	0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0 - 50.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0 - 50.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.75	50.0 - 250
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0 - 50.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.14	100 - 500
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 50.0
Lead	ug/L	2.21	2.20	1.97	0.74	1.5	2.33	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L				DNQ Est. Conc. 0.03	0.03	0.06	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.30	0.25	0.50	EPA 624	2	0.18	0.50

Parameter	Units	January	February	March	April	May	June	July	August	September
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		5.37						3.27	
Nitrobenzene	ug/L		ND						ND	
PCB-129/138/163	pg/L								DNQ Est. Conc. 590 (2)	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 620 (2)	
PCB-90/101/113	pg/L								DNQ Est. Conc. 600 (2)	
PCB-105	pg/L								250	
PCB-110	pg/L								259	
PCB-114	pg/L								DNQ Est. Conc. 15	
PCB-118	pg/L								190 (2)	
PCB-123	pg/L								DNQ Est. Conc. 17	
PCB-126	pg/L								ND	
PCB-158	pg/L								DNQ Est. Conc. 51	
PCB-167	pg/L								DNQ Est. Conc. 22	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 140 (2)	
PCB-177	pg/L								DNQ Est. Conc. 94 (2)	
PCB-183	pg/L								DNQ Est. Conc. 100 (2)	
PCB-187	pg/L								DNQ Est. Conc. 170 (2)	
PCB-189	pg/L								ND	
PCB-194	pg/L								DNQ Est. Conc. 75	
PCB-201	pg/L								DNQ Est. Conc. 17	
PCB-206	pg/L								DNQ Est. Conc. 24	
PCB-37	pg/L								DNQ Est. Conc. 110	
PCB-52	pg/L								730 (2)	
PCB-66	pg/L								280	
PCB-77	pg/L								30	
PCB-81	pg/L								ND	
PCB-99	pg/L								DNQ Est. Conc. 240	
PCB-128/166	pg/L								DNQ Est. Conc. 56	
PCB-135/151	pg/L								DNQ Est. Conc. 150	
PCB-147/149	pg/L								DNQ Est. Conc. 360 (2)	
PCB-153/168	pg/L								510 (2)	
PCB-156/157	pg/L								79	
PCB-18/30	pg/L								DNQ Est. Conc. 210	
PCB-180/193	pg/L								DNQ Est. Conc. 430 (2)	
PCB-20/28	pg/L								DNQ Est. Conc. 320	
PCB-44/47/65	pg/L								DNQ Est. Conc. 540 (2)	
PCB-49/69	pg/L								DNQ Est. Conc. 230 (2)	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		66.1						43.3	
pH	SU	7.6	7.2	7.6	7.0	7.3	7.4	7.4	7.4	7.4
Pyrene	ug/L		ND						ND	
Selenium	ug/L	DNQ Est. Conc. 0.94	DNQ Est. Conc. 0.87	DNQ Est. Conc. 0.56	DNQ Est. Conc. 0.54	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.86	1.00	DNQ Est. Conc. 0.63	DNQ Est. Conc. 0.56
Silver	ug/L		0.51						0.35	
Technical Chlordane	ug/L		ND						ND	
Tetrachloroethene	ug/L		ND						ND	
Thallium	ug/L		ND						ND	
Toluene	ug/L		0.50						0.98	

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	0.12	50.0 - 250
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	0.14	50.0 - 250
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0 - 50.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0 - 50.0
Nickel	ug/L				3.27	4.32	5.37	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0 - 50.0
PCB-129/138/163	pg/L				DNQ Est. Conc. 590 (2)	ND	DNQ Est. Conc. 590 (2)	EPA 1668		5.5	750
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 620 (2)	ND	DNQ Est. Conc. 620 (2)	EPA 1668		4.8	1000
PCB-90/101/113	pg/L				DNQ Est. Conc. 600 (2)	ND	DNQ Est. Conc. 600 (2)	EPA 1668		9.0	750
PCB-105	pg/L				250	250	250	EPA 1668		11	25
PCB-110	pg/L				259	259	259	EPA 1668			61
PCB-114	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15	EPA 1668		8.2	25
PCB-118	pg/L				190 (2)	190 (2)	190 (2)	EPA 1668		3.5	22
PCB-123	pg/L				DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668		8.6	25
PCB-126	pg/L				ND	ND	ND	EPA 1668		8.0	25
PCB-158	pg/L				DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51	EPA 1668		4.3	250
PCB-167	pg/L				DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		5.2	25
PCB-169	pg/L				ND	ND	ND	EPA 1668		5.6	25
PCB-170	pg/L				DNQ Est. Conc. 140 (2)	ND	DNQ Est. Conc. 140 (2)	EPA 1668		2.6	250
PCB-177	pg/L				DNQ Est. Conc. 94 (2)	ND	DNQ Est. Conc. 94 (2)	EPA 1668		2.6	250
PCB-183	pg/L				DNQ Est. Conc. 100 (2)	ND	DNQ Est. Conc. 100 (2)	EPA 1668		2.0	250
PCB-187	pg/L				DNQ Est. Conc. 170 (2)	ND	DNQ Est. Conc. 170 (2)	EPA 1668		2.7	250
PCB-189	pg/L				ND	ND	ND	EPA 1668		10	25
PCB-194	pg/L				DNQ Est. Conc. 75	ND	DNQ Est. Conc. 75	EPA 1668		10	250
PCB-201	pg/L				DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668		2.1	250
PCB-206	pg/L				DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24	EPA 1668		3.2	220
PCB-37	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		49	250
PCB-52	pg/L				730 (2)	730 (2)	730 (2)	EPA 1668		1.8	250
PCB-66	pg/L				280	280	280	EPA 1668		5.0	250
PCB-77	pg/L				30	30	30	EPA 1668		5.7	25
PCB-81	pg/L				ND	ND	ND	EPA 1668		4.4	25
PCB-99	pg/L				DNQ Est. Conc. 240	ND	DNQ Est. Conc. 240	EPA 1668		8.3	250
PCB-128/166	pg/L				DNQ Est. Conc. 56	ND	DNQ Est. Conc. 56	EPA 1668		5.2	500
PCB-135/151	pg/L				DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		5.8	500
PCB-147/149	pg/L				DNQ Est. Conc. 360 (2)	ND	DNQ Est. Conc. 360 (2)	EPA 1668		5.6	500
PCB-153/168	pg/L				510 (2)	510 (2)	510 (2)	EPA 1668		4.8	500
PCB-156/157	pg/L				79	79	79	EPA 1668		8.3	50
PCB-18/30	pg/L				DNQ Est. Conc. 210	ND	DNQ Est. Conc. 210	EPA 1668		3.7	500
PCB-180/193	pg/L				DNQ Est. Conc. 430 (2)	ND	DNQ Est. Conc. 430 (2)	EPA 1668		2.1	500
PCB-20/28	pg/L				DNQ Est. Conc. 320	ND	DNQ Est. Conc. 320	EPA 1668		38	500
PCB-44/47/65	pg/L				DNQ Est. Conc. 540 (2)	ND	DNQ Est. Conc. 540 (2)	EPA 1668		1.7	750
PCB-49/69	pg/L				DNQ Est. Conc. 230 (2)	ND	DNQ Est. Conc. 230 (2)	EPA 1668		1.5	500
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38	10.0 - 50.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0 - 250
Phenol	ug/L				43.3	54.7	66.1	EPA 625	1	0.14	10.0 - 50.0
pH	SU	7.5	7.5	7.4	7.0	7.4	7.6	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 500
Selenium	ug/L	DNQ Est. Conc. 0.91	DNQ Est. Conc. 0.98	DNQ Est. Conc. 0.80	DNQ Est. Conc. 0.54	0.083	1.00	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				0.35	0.43	0.51	EPA 200.8	0.25	0.01 - 0.02	0.20
Technical Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.03	0.05
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L				0.50	0.74	0.98	EPA 624	2	0.19	0.50

San Jose Creek West Water Reclamation Plant
2017 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Total BOD 20C	mg/L	314	495	1665	2020	329	289	288	298	935
Total cyanide	ug/L		DNQ Est. Conc. 2.1						ND	
Total suspended solids	mg/L	554	703	417	2597	519	452	365	400	1376
Toxaphene	ug/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND						ND	
Trichloroethene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		169						94.0	

San Jose Creek West Water Reclamation Plant
2017 INF-002 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Total BOD 20C	mg/L	347	349	331	288	638	2020	SM 5210B		0.6	120 - 3750
Total cyanide	ug/L				ND	ND	DNQ Est. Conc. 2.1	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	355	411	464	355	718	2597	SM 2540D		2.5	50.0 - 250
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L				94.0	132	169	EPA 200.8	1	0.60 - 0.66	1.00

(1) Grab sample.

(2) Blank Contaminatin was observed. Data acceptability critieria are based on EPA Guideline 821-R-07-002(PCB Congeners).

San Jose Creek WRP, West, Effluent Monitoring

San Jose Creek West Water Reclamation Plant
2017 EFF-003 Monitoring Results

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *	October *
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethene	ug/L		ND		ND		ND		ND		ND
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2,3-Trichloropropane	ug/L		ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)						DNQ Est. Conc. 17 (1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (1)						DNQ Est. Conc. 7.6 (1)		
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)						ND		
1,2,3,4,7,8-HexaCDF	pg/L		ND						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND						DNQ Est. Conc. 8.6 (1)		
1,2,3,6,7,8-HexaCDD	pg/L		ND (1)						ND		
1,2,3,6,7,8-HexaCDF	pg/L		ND (1)						ND		
1,2,3,7,8-PentaCDD	pg/L		ND						ND		
1,2,3,7,8-PentaCDF	pg/L		ND						ND		
1,2,3,7,8,9-HexaCDD	pg/L		ND (1)						ND		
1,2,3,7,8,9-HexaCDF	pg/L		ND						ND		
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		DNQ Est. Conc. 0.09		ND		ND		ND
1,4-Dioxane	ug/L								0.99		
2-Chloroethyl vinyl ether (mixed)	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L		ND						ND		
2-Chlorophenol	ug/L		ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND		
2-Nitrophenol	ug/L		ND				ND		ND		
2,3,4,6,7,8-HexaCDF	pg/L		ND (1)						ND		
2,3,4,7,8-PentaCDF	pg/L		ND (1)						ND		
2,3,7,8-TCDD	pg/L		ND				ND		ND		
2,3,7,8-TetraCDF	pg/L		ND (1)						ND		
2,4-Dichlorophenol	ug/L		ND						ND		
2,4-Dimethylphenol	ug/L		ND						ND		
2,4-Dinitrophenol	ug/L		ND						ND		
2,4-Dinitrotoluene	ug/L		ND						ND		
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.17		ND		ND		ND		ND
2,6-Dinitrotoluene	ug/L		ND						ND		
3-Methyl-4-chlorophenol	ug/L		ND						ND		
3,3'-Dichlorobenzidine	ug/L		ND						ND		
4-Bromophenyl phenyl ether	ug/L		ND						ND		
4-Chlorophenyl phenyl ether	ug/L		ND						ND		
4-Nitrophenol	ug/L		ND						ND		
4,4'-DDD	ug/L		ND		ND		ND		ND		ND
4,4'-DDE	ug/L		ND		ND		ND		ND		ND
4,4'-DDT	ug/L		ND		ND		ND		ND		ND
PCB-086/087/097/108/119/125	pg/L								DNQ Est. Conc. 7.7		
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		
Acrylonitrile	ug/L		ND						ND		
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND

Parameter	Units	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.07 - 0.23	0.50
1,1-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.14	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.14	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.13	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012 - 0.012	0.0050 - 0.050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 17 (1)			EPA 1613B		0.15 - 6.1	54 - 55
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 7.6 (1)			EPA 1613B		0.13 - 4.2	54 - 55
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	ND (1)			EPA 1613B		0.089 - 4.7	54 - 55
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.19 - 4.9	54 - 55
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 8.6 (1)			EPA 1613B		0.18 - 5.5	54 - 55
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND (1)			EPA 1613B		0.091 - 4.5	54 - 55
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.17 - 4.6	54 - 55
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.25 - 13	54 - 55
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.12 - 8.8	54 - 55
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND (1)			EPA 1613B		0.073 - 3.9	54 - 55
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.14 - 3.9	54 - 55
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
1,3-Dichloropropene (Total)	ug/L		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.09			EPA 624	2	0.07 - 0.26	0.50
1,4-Dioxane	ug/L			0.99	0.99	0.99			SW-846 8270MOD 1,4-Dioxane		0.05	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L		ND	ND	ND	ND			EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.13 - 3.9	54 - 55
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.13 - 9.4	54 - 55
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.18 - 3.7	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.088 - 3.3	11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.17			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.4	10.0
4,4'-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
PCB-086/087/097/108/119/125	pg/L			DNQ Est. Conc. 7.7	ND	DNQ Est. Conc. 7.7			EPA 1668		0.99	1500
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01

San Jose Creek West Water Reclamation Plant
2017 EFF-003 Monitoring Results

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *	October *
Ammonia as nitrogen	mg/L	1.15	1.96	1.05	0.948	0.965	0.998	1.21	1.08	1.23	1.33
Anthracene	ug/L		ND						ND		
Antimony	ug/L		0.85				0.59		0.56		
Aroclor 1016	ug/L		ND		ND				ND		ND
Aroclor 1221	ug/L		ND		ND				ND		ND
Aroclor 1232	ug/L		ND		ND				ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND				ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND				ND		ND
Arsenic	ug/L		1.06				DNQ Est. Conc. 0.94		1.10		
Barium	ug/L		42.6				38.5		40.1		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L		ND						ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND				ND		ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND				ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND		ND		ND		ND
Boron	mg/L	0.34	0.32	0.30	0.33	0.32	0.29	0.30	0.29	0.33	0.32
Bromodichloromethane	ug/L	4.3	10.2	19.6	12.7	14.3	15.6	14.5	12.9	16.1	13.2
Bromoform	ug/L	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.27	ND
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		DNQ Est. Conc. 0.050				DNQ Est. Conc. 0.042		DNQ Est. Conc. 0.060		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	112	119	114	106	146	119	106	109	106	107
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chlorodibromomethane	ug/L	1.2	2.3	3.8	3.0	3.4	3.1	3.3	2.5	3.3	2.8
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	10.8	20.3	46.1	23.6	29.6	31.1	28.9	31.3	39.8	28.7
Chlorpyrifos	ug/L								ND		
Chromium III	ug/L			1.25			0.96		0.90		
Chromium VI	ug/L			0.08			0.089		0.09		
Chromium, total (24-hour Composite)	ug/L		1.48				1.30		1.15		
Chromium, total (Grab)	ug/L		1.80	1.33			1.05		0.99		
Chrysene	ug/L		ND						ND		
Copper	ug/L		5.99			6.61	6.26		6.28		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Di-n-butyl phthalate	ug/L		ND						ND		
Di-n-octyl phthalate	ug/L		ND						ND		
Diazinon	ug/L		ND						ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L		ND						ND		
Dimethyl phthalate	ug/L		ND						ND		
Dissolved oxygen	mg/L	7.6	7.3	7.6	7.3	6.7	7.0	6.7	6.8	7.1	7.1
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L		ND						ND		
Endosulfan I	ug/L		ND						ND		
Endosulfan sulfate	ug/L		ND						ND		

San Jose Creek West Water Reclamation Plant
2017 EFF-003 Monitoring Results

Parameter	Units	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Ammonia as nitrogen	mg/L	1.05	1.95	0.948	1.24	1.96	6.3(2)/7.8(3)	4.0(2)/5.0(3)	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L		0.54	0.54	0.64	0.85			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L		1.22	DNQ Est. Conc. 0.94	0.85	1.22			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L		39.3	38.5	40.1	42.6			EPA 200.8		0.076-0.08	0.50
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 525.2 & EPA 610	10	0.007 - 0.070	0.020 - 0.10
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L		ND	ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
Boron	mg/L	0.37	0.35	0.29	0.32	0.37		1.0	EPA 200.8		0.006 - 0.008	0.020 - 0.10
Bromodichloromethane	ug/L	18.4	6.7	4.3	13	19.6			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.20	ND	ND	DNQ Est. Conc. 0.39			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	ug/L		DNQ Est. Conc. 0.040	DNQ Est. Conc. 0.040	ND	DNQ Est. Conc. 0.060			EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	111	106	106	113	146		180	EPA 300.0		0.030 - 0.190	4.00 - 10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.17	0.50
Chlorodibromomethane	ug/L	3.8	1.4	1.2	2.8	3.8			EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.26	0.50
Chloroform	ug/L	36.0	14.1	10.8	28.4	46.1			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L		1.02	0.90	1.0	1.25			EPA 200.8			0.50
Chromium VI	ug/L		0.06	0.06	0.08	0.09			EPA 218.6 (Dissolved)		0.0048 - 0.01	0.02 - 0.05
Chromium, total (24-hour Composite)	ug/L		1.18	1.15	1.28	1.48			EPA 200.8	0.5	0.11	0.50
Chromium, total (Grab)	ug/L		1.08	0.99	1.3	1.80			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	6.74	6.11	5.99	6.33	6.74			EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Diazinon	ug/L			ND	ND	ND			EPA 525.2 & SW-846 8141A		0.004 - 0.096	0.05 - 0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dieldrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	6.6	6.9	6.6	7.1	7.6			HACH 10360 LDO & SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *	October *
Endrin aldehyde	ug/L		ND						ND		
Endrin	ug/L		ND		ND		ND		ND		ND
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L		ND						ND		
Fluoride	mg/L		0.693		0.718		0.628		0.647		0.627
gamma-BHC (Lindane)	ug/L		DNQ Est. Conc. 0.006		DNQ Est. Conc. 0.004		DNQ Est. Conc. 0.003		ND		ND
Gross alpha radioactivity	pCi/L		2.40				2.12		1.14		
Gross beta radioactivity	pCi/L		8.00				6.23		9.80		
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND				ND		ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND				ND		ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Iron	ug/L		31				46		49		
Isophorone	ug/L		ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.22	0.32	0.30	0.32	0.36	0.26	DNQ Est. Conc. 0.24	0.33	0.33	DNQ Est. Conc. 0.23
Mercury	ug/L		0.0012				0.00095		0.0044		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND		ND
Methyl tert-butyl ether (MTBE)	ug/L		ND				ND		ND		
Methylene chloride	ug/L		DNQ Est. Conc. 0.49		DNQ Est. Conc. 0.25		DNQ Est. Conc. 0.37		DNQ Est. Conc. 0.21		DNQ Est. Conc. 0.20
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.95	1.7	0.28	0.20	0.14	1.1	0.43	0.84	0.14	1.0
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		1.72				1.62		2.11		
Nitrate + nitrite as nitrogen	mg/L	6.92	6.68	7.43	6.81	5.44	7.51	5.42	4.75	5.33	5.05
Nitrate as nitrogen	mg/L	6.90	6.65	7.39	6.78	5.42	7.48	5.39	4.67	5.31	5.00
Nitrite as nitrogen	mg/L	ND	ND	0.044	ND	ND	ND	0.032	0.082	ND	0.054
Nitrobenzene	ug/L		ND						ND		
OctaCDD	pg/L		ND (1)						150 (1)		
OctaCDF	pg/L		ND (1)						DNQ Est. Conc. 49 (1)(5)		
Oil and grease	mg/L		ND			ND			ND		
Organic nitrogen	mg/L	1.15	1.06	1.55	1.19	1.76	1.48	0.810	1.18	0.714	1.25
Orthophosphate-P	mg/L	0.659	1.20	1.04	0.473	2.32	0.659	0.339	0.607	1.58	0.359
PCB-129/138/163	pg/L								ND (1)		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 12 (1)		
PCB-90/101/113	pg/L								ND (1)		
PCB-105	pg/L								DNQ Est. Conc. 3.2		
PCB-114	pg/L								ND		
PCB-118	pg/L								ND (1)		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-158	pg/L								ND		
PCB-167	pg/L								ND		
PCB-169	pg/L								ND		
PCB-170	pg/L								ND (1)		
PCB-177	pg/L								ND (1)		
PCB-183	pg/L								ND (1)		
PCB-187	pg/L								ND (1)		
PCB-189	pg/L								ND		
PCB-194	pg/L								DNQ Est. Conc. 1.8		

Parameter	Units	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.12 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Fluoride	mg/L		0.668	0.627	0.664	0.718			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.006			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		1.06	1.06	1.68	2.40			EPA 900.0		0.924 - 1.86	0.924 - 1.86
Gross beta radioactivity	pCi/L		17.7	6.23	10.4	17.7			EPA 900.0		0.611 - 2.29	0.611 - 2.29
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625		0.0030 - 0.18	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625		0.014 - 0.75	0.050 - 5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L		44	31	43	49			EPA 200.8		3	20
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	0.27	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.22	0.21	0.36	166 (4)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.0091	0.00095	0.0039	0.0091			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L		ND	ND	ND	ND			EPA 624		0.12 - 0.16	0.50
Methylene chloride	ug/L		DNQ Est. Conc. 0.12	DNQ Est. Conc. 0.12	ND	DNQ Est. Conc. 0.49			EPA 624	2	0.09 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
n-Nitrosodimethylamine (NDMA)	ug/L	1.1	0.14	0.14	0.67	1.7			EPA 1625 (Modified)	5	0.0005 - 0.0050	0.010 - 0.020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L		2.09	1.62	1.89	2.11			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	7.62	7.94	4.75	6.41	7.94		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	7.58	7.88	4.67	6.37	7.88			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	0.066	ND	0.023	0.082		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L			ND (1)	75.0	150 (1)			EPA 1613B		0.15 - 15	110
OctaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 49 (1)(5)			EPA 1613B		0.15 - 11	110
Oil and grease	mg/L	ND		ND	ND	ND	15	10	EPA 1664A		1.2	4.5 - 4.6
Organic nitrogen	mg/L	0.674	ND	ND	1.07	1.76			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	1.51	1.23	0.339	0.998	2.32			EPA 365.1		0.001	0.030
PCB-129/138/163	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		1.0	740
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 12 (1)	ND	DNQ Est. Conc. 12 (1)			EPA 1668		0.73	980
PCB-90/101/113	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		1.0	740
PCB-105	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668		0.96	25
PCB-114	pg/L			ND	ND	ND			EPA 1668		0.93	25
PCB-118	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.91	25
PCB-123	pg/L			ND	ND	ND			EPA 1668		0.95	25
PCB-126	pg/L			ND	ND	ND			EPA 1668		0.96	25
PCB-158	pg/L			ND	ND	ND			EPA 1668		0.81	250
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.47	25
PCB-169	pg/L			ND	ND	ND			EPA 1668		0.48	25
PCB-170	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.46	250
PCB-177	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.46	250
PCB-183	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.35	250
PCB-187	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		1.1	250
PCB-189	pg/L			ND	ND	ND			EPA 1668		0.74	25
PCB-194	pg/L			DNQ Est. Conc. 1.8	ND	DNQ Est. Conc. 1.8			EPA 1668		0.92	250

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *	October *
PCB-201	pg/L								ND		
PCB-206	pg/L								DNQ Est. Conc. 6.6		
PCB-37	pg/L								DNQ Est. Conc. 2.9		
PCB-52	pg/L								DNQ Est. Conc. 16 (1)		
PCB-66	pg/L								DNQ Est. Conc. 4.8		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-99	pg/L								DNQ Est. Conc. 3.2		
PCB-110/115	pg/L								ND (1)		
PCB-128/166	pg/L								ND		
PCB-135/151	pg/L								DNQ Est. Conc. 2.8		
PCB-147/149	pg/L								ND (1)		
PCB-153/168	pg/L								ND		
PCB-156/157	pg/L								DNQ Est. Conc. 2.0		
PCB-18/30	pg/L								DNQ Est. Conc. 12		
PCB-180/193	pg/L								ND (1)		
PCB-20/28	pg/L								DNQ Est. Conc. 14		
PCB-44/47/65	pg/L								DNQ Est. Conc. 24 (1)		
PCB-49/69	pg/L								ND (1)		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.16	0.4	0.35	0.38	0.65	0.29	0.54	0.43	0.24	0.16
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		ND		DNQ Est. Conc. 0.20		DNQ Est. Conc. 0.31		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.22
Pyrene	ug/L		ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.70	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.25
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		DNQ Est. Conc. 0.02				DNQ Est. Conc. 0.01		ND		
Strontium-90	pCi/L		0.000				ND		ND		
Sulfate	mg/L	82.0	81.2	65.3	59.7	98.8	75.9	68.0	69.7	72.8	79.6
Surfactant (CTAS)	mg/L		ND			ND			ND		
Surfactant (MBAS)	mg/L		ND		ND	ND	ND		ND		ND
Technical Chlordane	ug/L		ND				ND		ND		
Temperature	Degrees F	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	ug/L		DNQ Est. Conc. 0.030				ND		ND		
Toluene	ug/L		DNQ Est. Conc. 0.44		DNQ Est. Conc. 0.22		ND		ND		DNQ Est. Conc. 0.32
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons (TICH)	ug/L		ND			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		DNQ Est. Conc. 1.25			ND			ND		
Total detectable PCB's (Sum of Aroclors)	ug/L		ND		ND		ND		ND		ND
Tota detectable PCB's (Sum of Congeners)	pg/L								ND		
Total dissolved solids	mg/L	567	564	569	500	515	542	514	538	531	542
Total hardness (CaCO3)	mg/L	199	224	302	153	183	185	186	184	181	214
Total Kjeldahl Nitrogen (TKN)	mg/L	2.30	3.02	2.60	2.14	2.72	2.48	2.02	2.26	1.94	2.58
Total nitrogen	mg/L	9.22	9.70	10.0	8.95	8.16	9.99	7.44	7.01	7.27	7.63
Total phosphorus	mg/L	0.708	1.23	1.09	0.492	2.39	0.841	0.372	0.623	1.62	0.398
Total residual chlorine (average)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	16.6	33.0	69.8	39.6	47.6	50.1	47.1	47.0	59.5	39.6
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	pg/L		ND						0.015		
trans-1,2-Dichloroethene	ug/L		ND		ND		ND		ND		ND
Trichloroethene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		209				ND		237		
Turbidity (flow proportioned avg daily value)	NTU	0.67	0.75	0.75	0.68	0.55	0.58	0.75	0.66	0.70	0.85
Uranium	pCi/L		1.23				0.814		0.246		

Parameter	Units	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.46	250
PCB-206	pg/L			DNQ Est. Conc. 6.6	ND	DNQ Est. Conc. 6.6			EPA 1668		1.4	250
PCB-37	pg/L			DNQ Est. Conc. 2.9	ND	DNQ Est. Conc. 2.9			EPA 1668		0.84	250
PCB-52	pg/L			DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		0.59	250
PCB-66	pg/L			DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 4.8			EPA 1668		0.77	250
PCB-77	pg/L			ND	ND	ND			EPA 1668		0.80	25
PCB-81	pg/L			ND	ND	ND			EPA 1668		0.79	25
PCB-99	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668		0.93	250
PCB-110/115	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.88	490
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		0.98	490
PCB-135/151	pg/L			DNQ Est. Conc. 2.8	ND	DNQ Est. Conc. 2.8			EPA 1668		1.1	490
PCB-147/149	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		1.1	490
PCB-153/168	pg/L			ND	ND	ND			EPA 1668		0.90	490
PCB-156/157	pg/L			DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.0			EPA 1668		0.72	49
PCB-18/30	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		0.96	490
PCB-180/193	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.38	490
PCB-20/28	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		0.86	490
PCB-44/47/65	pg/L			DNQ Est. Conc. 24 (1)	ND	DNQ Est. Conc. 24 (1)			EPA 1668		0.55	740
PCB-49/69	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668		0.49	490
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L	0.8	0.18	0.16	0.4	0.8			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.31			EPA 625	1	0.10 - 0.14	1.0
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	ug/L	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.70			EPA 200.8	2	0.04 - 0.10	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L		ND	ND	ND	DNQ Est. Conc. 0.02			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L		ND	ND	ND	0.000			EPA 905.0		0.346 - 0.682	0.346 - 0.682
Sulfate	mg/L	71.4	69.6	59.7	74.5	98.8		300	EPA 300.0		0.020 - 0.120	1.00 - 2.50
Surfactant (CTAS)	mg/L	ND		ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND		0.5	SM 5540C		0.03	0.10
Technical Chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	Degrees F	NR	NR	NR	NR	NR	86(6)					
Thallium	ug/L		ND	ND	ND	DNQ Est. Conc. 0.030			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.44			EPA 624	2	0.06 - 0.19	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Total chlorinated hydrocarbons (TICH)	ug/L	ND		ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	23(7)		SM 9222B		1	1
Total cyanide	ug/L	ND		ND	ND	DNQ Est. Conc. 1.25			SM 4500 CN E	5	1.00	5.00
Total detectable PCB's (Sum of Aroclors)	ug/L		ND	ND	ND	ND			EPA 608			
Tota detectable PCB's (Sum of Congeners)	pg/L			ND	ND	ND			EPA 1668			
Total dissolved solids	mg/L	544	504	500	536	569		750	SM 2540C		2.7	50.0 - 62.5
Total hardness (CaCO3)	mg/L	202	199	153	201	302			EPA 200.8 & SM 2340C			0.05 - 12
Total Kjeldahl Nitrogen (TKN)	mg/L	1.72	1.85	1.72	2.30	3.02			EPA 351.2		0.135	0.400
Total nitrogen	mg/L	9.99	9.93	7.01	8.77	10.0			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	1.55	1.19	0.372	1.04	2.39			EPA 365.1		0.001	0.030
Total residual chlorine (average)	mg/L	ND	ND	ND	ND	ND			SM 4500 Cl G		0.03	0.01
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	EPA 160.2 & SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	58.5	22.4	16.6	44.2	69.8		80	EPA 624			0.50
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	pg/L			ND	0.0075	0.015			EPA 1613B			
trans-1,2-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.16	0.50
Trichloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L		ND	ND	112	237			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.77	0.94	0.55	0.72	0.94	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.481	0.246	0.693	1.23			EPA 908.0		0.470	0.470

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *	October *
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		62.2				57.6		59.2		

San Jose Creek West Water Reclamation Plant
2017 EFF-003 Monitoring Results

Parameter	Units	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.22 - 0.37	0.50
Zinc	ug/L		56.0	56.0	58.8	62.2			EPA 200.8	1	0.60 - 0.66	1.00

* No discharge at EFF-003 during this month.

(1) Blank Contamination was observed. Data acceptability criteria are based on EPA Guideline 821-R-07-002(PCB Congeners) and USEPA Region 11 Data validation SOP for EPA Method 1613(TCDD Congeners).

(2) Effluent ammonia limit effective from April 1 to September 30.

(3) Effluent ammonia limit effective from October 1 to March 31.

(4) Wet weather effluent limit.

(5) Possible interference observed. The measured ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

(6) The Temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature.

(7) Total coliform cannot exceed 23/100 mL in more than one sample during any 30-day period.

Saugus WRP Influent Monitoring

Saugus Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			ND
1,2,4-Trichlorobenzene	ug/L	ND						ND			ND
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						DNQ Est. Conc. 0.11			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			ND
2-Chlorophenol	ug/L	ND						ND			ND
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			ND
2-Nitrophenol	ug/L	ND						ND			ND
2,3,7,8-TCDD	pg/L	DNQ Est. Conc. 0.80(1)(2)						ND			
2,4-Dichlorophenol	ug/L	ND						ND			ND
2,4-Dimethylphenol	ug/L	ND						ND			ND
2,4-Dinitrophenol	ug/L	ND						ND			ND
2,4-Dinitrotoluene	ug/L	ND						ND			ND
2,4,6-Trichlorophenol	ug/L	ND						ND			ND
2,6-Dinitrotoluene	ug/L	ND						ND			ND
3-Methyl-4-chlorophenol	ug/L	ND						ND			ND
3,3'-Dichlorobenzidine	ug/L	ND						ND			ND
4-Bromophenyl phenyl ether	ug/L	ND						ND			ND
4-Chlorophenyl phenyl ether	ug/L	ND						ND			ND
4-Nitrophenol	ug/L	ND						ND			ND
4,4-DDT	ug/L	ND						DNQ Est. Conc. 0.006			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			ND
Acenaphthylene	ug/L	ND						ND			ND
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Anthracene	ug/L	ND						ND			ND
Antimony	ug/L	0.98						0.74			0.66
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	2.32						1.91			1.48
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			ND
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ug/L	ND						ND			ND
Benzo(b)fluoranthene	ug/L	ND						ND			ND

Saugus Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.07 - 0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08 - 0.09	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	DNQ Est. Conc. 0.11	EPA 624	2	0.07 - 0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.20	100
2,3,7,8-TCDD	pg/L			ND	ND	DNQ Est. Conc. 0.80(1)(2)	EPA 1613B		0.17 - 0.19	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.4	100
4,4-DDT	ug/L			ND	ND	DNQ Est. Conc. 0.006	EPA 608	0.01	0.001	0.01
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.002	0.01
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L			ND	ND	ND	EPA 624		1.3 - 1.6	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L			0.66	0.79	0.98	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L			1.48	1.90	2.32	EPA 200.8	2	0.14	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	EPA 625	5	0.12 - 0.19	50.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.13	100

Saugus Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Benzo(g,h,i)perylene	ug/L	ND						ND			ND
Benzo(k)fluoranthene	ug/L	ND						ND			ND
Beryllium	ug/L	ND						ND			ND
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			ND
bis(2-Chloroethyl) ether	ug/L	ND						ND			ND
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			ND
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 12.6						DNQ Est. Conc. 8.5			DNQ Est. Conc. 8.9
BOD	mg/L	265	294	306	306	305	286	222	191	257	189
Bromodichloromethane	ug/L	0.92	1.3	1.7	0.87	0.60	0.71	0.75	1.3	0.69	0.93
Bromoform	ug/L	1.6	3.0	3.5	3.4	1.8	1.6	1.3	2.0	1.4	1.2
Butyl benzyl phthalate	ug/L	ND						ND			ND
Cadmium	ug/L	0.28						0.46			DNQ Est. Conc. 0.12
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	125	122	133	136	128	128	125	126	113	113
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	1.9	3.2	3.6	2.4	1.4	1.5	1.3	2.5	1.5	1.7
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	2.6	1.3	2.4	1.7	1.3	1.6	1.9	2.2	1.2	1.3
Chromium III	ug/L	1.36									
Chromium VI	ug/L	DNQ Est. Conc. 0.02						ND			
Chromium, total	ug/L	1.36						1.78			
Chrysene	ug/L	ND						ND			ND
Copper	ug/L	111	65.7	80.4	57.7	84.3	60.6	86.2	73.8	65.8	76.0
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			ND
Di-n-octyl phthalate	ug/L	ND						ND			ND
Dibenzo(a,h)anthracene	ug/L	ND						ND			ND
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.3						DNQ Est. Conc. 4.2			DNQ Est. Conc. 5.2
Dimethyl phthalate	ug/L	ND						ND			ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fluoranthene	ug/L	ND						ND			ND
Fluorene	ug/L	ND						ND			ND
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.006						ND			
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			ND
Hexachlorobutadiene	ug/L	ND						ND			ND
Hexachlorocyclopentadiene	ug/L	ND						ND			ND
Hexachloroethane	ug/L	ND						ND			ND
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND			ND
Isophorone	ug/L	ND						ND			ND
Lead	ug/L	1.98	0.73	1.08	0.50	1.62	0.93	1.01	0.52	0.56	0.63
Mercury	ug/L		DNQ Est. Conc. 0.02	0.04	DNQ Est. Conc. 0.02	0.3	DNQ Est. Conc. 0.02	0.10	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methylene chloride	ug/L	0.56						1.1			

Saugus Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.23	100
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.16	20.0
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 8.5	ND	DNQ Est. Conc. 12.6	EPA 625	5	0.25	20.0
BOD	mg/L	203	283	189	259	306	SM 5210B		0.6	75 - 100
Bromodichloromethane	ug/L	2.0	0.84	0.60	1.1	2.0	EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	1.2	0.85	0.85	1.9	3.5	EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Cadmium	ug/L			DNQ Est. Conc. 0.12	0.25	0.46	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.11 - 0.28	0.50
Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.03	0.05
Chloride	mg/L	109	107	107	122	136	EPA 300.0		0.030 - 0.190	10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L	1.9	1.3	1.3	2.0	3.6	EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	2.8	1.4	1.2	1.8	2.8	EPA 624	2	0.09 - 0.18	0.50
Chromium III	ug/L			1.36	1.36	1.36	EPA 200.8			0.50
Chromium VI	ug/L			ND	ND	DNQ Est. Conc. 0.02	EPA 218.6 (Dissolved)		0.01 - 0.48	0.05 - 2.0
Chromium, total	ug/L			1.36	1.57	1.78	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L	94.7	68.1	57.7	77.0	111	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.15	100
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 5.2	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.01 - 0.02
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L			ND	ND	ND	EPA 624	2	0.12 - 0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.18	100
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.006	EPA 608	0.02	0.001	0.01
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.14	100
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L	0.64	0.61	0.50	0.90	1.98	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.02	0.04	0.3	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.06 - 0.19	0.50
Methylene chloride	ug/L			0.56	0.83	1.1	EPA 624	2	0.18 - 0.20	0.50

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
n-Nitrosodi-n-propylamine	ug/L	ND						ND			ND
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND			ND
n-Nitrosodiphenylamine	ug/L	ND						ND			ND
Naphthalene	ug/L	ND						ND			ND
Nickel	ug/L	5.39	2.29	3.23	2.29	3.85	2.78	4.11	2.78	2.38	2.60
Nitrobenzene	ug/L	ND						ND			ND
PCB-105	pg/L							41			
PCB-114	pg/L							ND			
PCB-118	pg/L							110(1)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-129/138/163	pg/L							ND(1)			
PCB-158	pg/L							ND(1)			
PCB-167	pg/L							DNQ Est. Conc. 4.4			
PCB-169	pg/L							ND			
PCB-170	pg/L							ND(1)			
PCB-177	pg/L							ND(1)			
PCB-183	pg/L							ND(1)			
PCB-187	pg/L							ND(1)			
PCB-189	pg/L							ND			
PCB-194	pg/L							ND(1)			
PCB-201	pg/L							ND			
PCB-206	pg/L							ND(1)			
PCB-37	pg/L							ND			
PCB-52	pg/L							DNQ Est. Conc. 110(1)			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 130(1)			
PCB-66	pg/L							DNQ Est. Conc. 65			
PCB-77	pg/L							DNQ Est. Conc. 7.2			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 100			
PCB-90/101/113	pg/L							DNQ Est. Conc. 100(1)			
PCB-99	pg/L							DNQ Est. Conc. 45			
PCB110/115	pg/L							DNQ Est. Conc. 160(1)			
PCB128/166	pg/L							DNQ Est. Conc. 16(1)			
PCB135/151	pg/L							ND(1)			
PCB147/149	pg/L							ND(1)			
PCB153/168	pg/L							ND(1)			
PCB156/157	pg/L							DNQ Est. Conc. 15(1)			
PCB18/30	pg/L							DNQ Est. Conc. 54			
PCB180/193	pg/L							ND(1)			
PCB20/28	pg/L							DNQ Est. Conc. 110(1)			
PCB44/47/65	pg/L							DNQ Est. Conc. 220(1)			
PCB49/69	pg/L							DNQ Est. Conc. 37			
PCBs as aroclors	ug/L	ND						ND			
PCBs as congeners	pg/L							ND			
Pentachlorophenol	ug/L	ND						ND			ND
Phenanthrene	ug/L	ND						ND			ND
Phenol	ug/L	38.8						46.4			26.0
pH	SU	8.0	8.0	8.0	7.9	8.0	8.2	8.0	8.1	8.0	8.2
Pyrene	ug/L	ND						ND			ND
Selenium	ug/L	1.11						DNQ Est. Conc. 0.71			DNQ Est. Conc. 0.60
Silver	ug/L	0.27						0.23			DNQ Est. Conc. 0.11
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			ND

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625	5	0.12	50.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 625	5	0.14	50.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	ug/L	2.21	2.22	2.21	3.01	5.39	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.22	10.0
PCB-105	pg/L			41	41	41	EPA 1668		2.1	20
PCB-114	pg/L			ND	ND	ND	EPA 1668		2.4	20
PCB-118	pg/L			110(1)	110(1)	110(1)	EPA 1668		2.5	20
PCB-123	pg/L			ND	ND	ND	EPA 1668		2.7	20
PCB-126	pg/L			ND	ND	ND	EPA 1668		2.2	20
PCB-129/138/163	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		2.1	610
PCB-158	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		1.6	200
PCB-167	pg/L			DNQ Est. Conc. 4.4	ND	DNQ Est. Conc. 4.4	EPA 1668		1.8	20
PCB-169	pg/L			ND	ND	ND	EPA 1668		1.3	20
PCB-170	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		1.7	200
PCB-177	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		2.9	200
PCB-183	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		1.4	200
PCB-187	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		2.9	200
PCB-189	pg/L			ND	ND	ND	EPA 1668		1.8	20
PCB-194	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		2.7	200
PCB-201	pg/L			ND	ND	ND	EPA 1668		1.7	200
PCB-206	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		4.5	200
PCB-37	pg/L			ND	ND	ND	EPA 1668		21	200
PCB-52	pg/L			DNQ Est. Conc. 110(1)	ND(1)	DNQ Est. Conc. 110(1)	EPA 1668		1.1	200
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 130(1)	ND(1)	DNQ Est. Conc. 130(1)	EPA 1668		1.5	820
PCB-66	pg/L			DNQ Est. Conc. 65	ND	DNQ Est. Conc. 65	EPA 1668		1.5	200
PCB-77	pg/L			DNQ Est. Conc. 7.2	ND	DNQ Est. Conc. 7.2	EPA 1668		1.5	20
PCB-81	pg/L			ND	ND	ND	EPA 1668		1.5	20
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		2.8	1200
PCB-90/101/113	pg/L			DNQ Est. Conc. 100(1)	ND(1)	DNQ Est. Conc. 100(1)	EPA 1668		2.8	610
PCB-99	pg/L			DNQ Est. Conc. 45	ND	DNQ Est. Conc. 45	EPA 1668		2.6	200
PCB110/115	pg/L			DNQ Est. Conc. 160(1)	ND(1)	DNQ Est. Conc. 160(1)	EPA 1668		2.4	410
PCB128/166	pg/L			DNQ Est. Conc. 16(1)	ND(1)	DNQ Est. Conc. 16(1)	EPA 1668		1.9	410
PCB135/151	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		2.2	410
PCB147/149	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		2.1	410
PCB153/168	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		1.8	410
PCB156/157	pg/L			DNQ Est. Conc. 15(1)	ND(1)	DNQ Est. Conc. 15(1)	EPA 1668		2.0	41
PCB18/30	pg/L			DNQ Est. Conc. 54	ND	DNQ Est. Conc. 54	EPA 1668		3.7	410
PCB180/193	pg/L			ND(1)	ND(1)	ND(1)	EPA 1668		1.4	410
PCB20/28	pg/L			DNQ Est. Conc. 110(1)	ND(1)	DNQ Est. Conc. 110(1)	EPA 1668		22	410
PCB44/47/65	pg/L			DNQ Est. Conc. 220(1)	ND(1)	DNQ Est. Conc. 220(1)	EPA 1668		1.1	610
PCB49/69	pg/L			DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37	EPA 1668		0.93	410
PCBs as aroclors	ug/L			ND	ND	ND	EPA 608			
PCBs as congeners	pg/L			ND	ND	ND	EPA 1668			
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Phenol	ug/L			26.0	37.1	46.4	EPA 625	1	0.14	10.0
pH	SU	8.0	8.0	7.9	8.0	8.2	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L			DNQ Est. Conc. 0.60	0.37	1.11	EPA 200.8	2	0.04	1.00
Silver	ug/L			DNQ Est. Conc. 0.11	0.17	0.27	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L			ND	ND	ND	EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.015	0.25

Saugus Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Toluene	ug/L	DNQ Est. Conc. 0.47						0.57			
Total cyanide	ug/L	DNQ Est. Conc. 3.2	DNQ Est. Conc. 2.5	DNQ Est. Conc. 2.5	DNQ Est. Conc. 2.6	DNQ Est. Conc. 2.8	DNQ Est. Conc. 2.2	DNQ Est. Conc. 1.8	DNQ Est. Conc. 1.8	DNQ Est. Conc. 2.3	DNQ Est. Conc. 2.3
Total suspended solids	mg/L	263	350	320	308	336	319	296	232	291	264
Total trihalomethanes	ug/L	7.0	8.8	11.2	8.4	5.1	5.3	5.2	8.0	4.8	5.1
Toxaphene	ug/L	ND						ND			
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	251	105	147	92.8	183	152	178	88.6	87.0	99.6

Saugus Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Toluene	ug/L			DNQ Est. Conc. 0.47	0.29	0.57	EPA 624	2	0.06 - 0.19	0.50
Total cyanide	ug/L	DNQ Est. Conc. 1.6	DNQ Est. Conc. 1.7	DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 3.2	SM 4500 CN E	5	1.0	5.0
Total suspended solids	mg/L	259	273	232	293	350	SM 2540D		2.5	50.0 - 100
Total trihalomethanes	ug/L	7.9	4.4	4.4	6.8	11.2	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.04	0.5
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.09 - 0.16	0.50
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.13 - 0.28	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L	82.2	102	82.2	131	251	EPA 200.8	1	0.60 - 0.66	1.00 - 5.00

(1) Compound was found in the blank and sample.

(2) Reported blanks were the estimated maximum possible concentration of each analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative criteria and indicates a possible interference.

Saugus WRP Effluent Monitoring

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3-Trichloropropane	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 2.0(1)						ND(1)			
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 1.9(1)(2)						ND(1)(2)			
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.4(1)(2)						ND			
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.6(1)						ND			
1,2,3,4,7,8,9-HeptaCDF	pg/L	DNQ Est. Conc. 1.4(1)						ND			
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.7(1)						ND			
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.8(1)						ND(1)			
1,2,3,7,8-PentaCDD	pg/L	DNQ Est. Conc. 1.7(1)						ND			
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.8(1)						ND			
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 1.3(1)						ND			
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 1.3(1)(2)						ND			
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						DNQ Est. Conc. 0.38			
1,4-Dioxane	ug/L	0.85						0.76			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.7(1)						ND(1)			
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.7(1)						ND			
2,3,7,8-TCDD	pg/L	ND						ND			
2,3,7,8-TetraCDF	pg/L	ND						ND			
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.18						DNQ Est. Conc. 0.29			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4-DDT	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.07 - 0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND(1)	ND(1)	DNQ Est. Conc. 2.0(1)			EPA 1613B		0.23 - 0.26	53
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND(1)(2)	ND(1)(2)	DNQ Est. Conc. 1.9(1)(2)			EPA 1613B		0.27 - 0.36	53
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND(1)(2)	DNQ Est. Conc. 1.4(1)(2)			EPA 1613B		0.14 - 0.21	53
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND(1)	DNQ Est. Conc. 1.6(1)			EPA 1613B		0.20 - 0.32	53
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND(1)	DNQ Est. Conc. 1.4(1)			EPA 1613B		0.33 - 0.49	53
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND(1)	DNQ Est. Conc. 1.7(1)			EPA 1613B		0.14 - 0.22	53
1,2,3,6,7,8-HexaCDF	pg/L			ND(1)	ND(1)	DNQ Est. Conc. 1.8(1)			EPA 1613B		0.19 - 0.30	53
1,2,3,7,8-PentaCDD	pg/L			ND	ND(1)	DNQ Est. Conc. 1.7(1)			EPA 1613B		0.28 - 0.50	53
1,2,3,7,8-PentaCDF	pg/L			ND	ND(1)	DNQ Est. Conc. 1.8(1)			EPA 1613B		0.23 - 0.31	53
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND(1)	DNQ Est. Conc. 1.3(1)			EPA 1613B		0.11 - 0.18	53
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND(1)(2)	DNQ Est. Conc. 1.3(1)(2)			EPA 1613B		0.14 - 0.29	53
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.09	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	DNQ Est. Conc. 0.38			EPA 624	2	0.07 - 0.16	0.50
1,4-Dioxane	ug/L			0.76	0.81	0.85			SW-846 8270MOD		0.05	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND(1)	ND(1)	DNQ Est. Conc. 1.7(1)			EPA 1613B		0.16 - 0.27	53
2,3,4,7,8-PentaCDF	pg/L			ND	ND(1)	DNQ Est. Conc. 1.7(1)			EPA 1613B		0.23 - 0.34	53
2,3,7,8-TCDD	pg/L			ND	ND	ND			EPA 1613B		0.21 - 0.42	11
2,3,7,8-TetraCDF	pg/L			ND	ND	ND			EPA 1613B		0.17 - 0.25	11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L			DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.29			EPA 625	10	0.12	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.4	10.0
4,4-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3 - 1.6	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.002	0.005

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
alpha-BHC	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	0.702	0.837	1.06	0.936	1.02	0.787	0.959	0.831	0.837	0.752
Anthracene	ug/L	ND						ND			
Antimony	ug/L	DNQ Est. Conc. 0.46			0.60			0.65			0.64
Arsenic	ug/L	1.73			1.13			1.18			DNQ Est. Conc. 0.93
Barium	ug/L	30.4			22.5			22.0			24.4
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ug/L	ND			ND			ND			ND
Benzo(b)fluoranthene	ug/L	ND			ND			ND			ND
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND			ND			ND			ND
Beryllium	ug/L	ND						ND			
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	ND						ND			
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.47	0.46	0.42	0.79	0.43	0.43	0.43	0.45	0.46	0.43
Bromodichloromethane	ug/L	24.2	20.3	20.4	15.1	20.5	17.6	16.0	16.3	12.4	15.8
Bromoform	ug/L	2.0	1.6	2.1	1.1	1.8	1.6	1.8	1.3	1.0	0.84
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	DNQ Est. Conc. 0.050			DNQ Est. Conc. 0.050			DNQ Est. Conc. 0.055			DNQ Est. Conc. 0.080
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	136	136	143	146		141	144	135	132	123
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	11.6	11.0	10.3	7.3	12.7	8.8	8.5	8.2	5.7	6.4
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	32.8	18.4	19.1	15.0	19.8	15.4	16.1	15.6	11.3	16.7
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	ND									
Chromium VI	ug/L	ND						ND			
Chromium, total	ug/L	DNQ Est. Conc. 0.34						DNQ Est. Conc. 0.41			
Chrysene	ug/L	ND			ND			ND			ND
Copper	ug/L	4.90	4.75	5.54	7.01	4.15	3.85	6.39	4.65	5.26	5.09
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Diazinon	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND			ND			ND			ND
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND						DNQ Est. Conc. 0.53			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	8.18	8.6	8.8	8.2	8.2	7.1	7.6	7.3	7.4	7.8
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	0.613	0.873	0.613	0.851	1.06	5.6	2.0	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L			DNQ Est. Conc. 0.46	0.47	0.65			EPA 200.8	0.5	0.07 - 0.32	0.50
Arsenic	ug/L			DNQ Est. Conc. 0.93	1.0	1.73			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L			22.0	24.8	30.4			EPA 200.8		0.05 - 0.08	0.50
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610 & EPA 625		0.005 - 0.19	0.020 - 5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625	5	0.25	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	2 - 3
Boron	mg/L	0.48	0.50	0.42	0.48	0.79		1.5	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L	13.6	16.0	12.4	17.4	24.2			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	0.53	0.81	0.53	1.4	2.1			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	ug/L			DNQ Est. Conc. 0.050	ND	DNQ Est. Conc. 0.080			EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.03	0.05
Chloride	mg/L	120	112	112	133	146	230(3)		EPA 300.0		0.030 - 0.190	8.00 - 10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L	4.6	6.5	4.6	8.5	12.7			EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	15.4	18.5	11.3	17.8	32.8			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003 - 0.0060	0.05 - 0.10
Chromium III	ug/L			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L			ND	ND	ND			EPA 218.6 (Dissolved)		0.01 - 0.48	0.05 - 2.0
Chromium, total	ug/L			DNQ Est. Conc. 0.34	ND	DNQ Est. Conc. 0.41			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	5.49	3.57	3.57	5.05	7.01	23	15	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004 - 0.0060	0.05 - 0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.53			EPA 625	2	0.21	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	8.1	8.4	7.1	8.0	8.8			HACH 10360 LDO & SM 4500 O G		0.10	1.00
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.12 - 0.18	0.50

Saugus Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.228			0.295			0.196			0.190
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.004						ND			
Gross alpha radioactivity	pCi/L	3.40			ND			1.36			1.41
Gross beta radioactivity	pCi/L	6.90			7.08			9.27			8.17
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND			ND			ND
Iron	ug/L	22.4			23.3			DNQ Est. Conc. 16.3			28.8
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.19
Mercury	ug/L		ND	0.00095	0.00050	0.00054	DNQ Est. Conc. 0.00047	0.0013	0.00050	0.0011	0.00078
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	1.10	1.06	1.35	1.28	1.19	1.30	1.62	1.47	1.33	1.30
Nitrate + Nitrite as nitrogen	mg/L	5.04	4.91	4.71	5.33	5.07	5.08	3.94	5.02	5.26	5.00
Nitrate as nitrogen	mg/L	5.02	4.88	4.70	5.31	5.04	5.06	3.90	4.99	5.22	4.97
Nitrite as nitrogen	mg/L	ND	ND	ND	ND	ND	ND	0.039	0.034	0.041	ND
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	DNQ Est. Conc. 13(1)						ND(1)			
OctaCDF	pg/L	DNQ Est. Conc. 4.2(1)						ND(1)(2)			
Oil and grease	mg/L	ND			ND			ND			ND
Organic nitrogen	mg/L	1.11	1.55	1.22	1.10	1.77	1.18	0.774	1.43	1.07	2.42
Orthophosphate-P	mg/L	0.329			0.298			0.871			0.463
PCB-105	pg/L							DNQ Est. Conc. 4.8			
PCB-114	pg/L							DNQ Est. Conc. 3.1			
PCB-118	pg/L							ND(1)			
PCB-123	pg/L							DNQ Est. Conc. 3.0			
PCB-126	pg/L							DNQ Est. Conc. 2.9			
PCB-129/138/163	pg/L							ND(1)			
PCB-158	pg/L							ND			
PCB-167	pg/L							DNQ Est. Conc. 2.8			
PCB-169	pg/L							ND			
PCB-170	pg/L							ND(1)			
PCB-177	pg/L							ND(1)			
PCB-183	pg/L							ND(1)			
PCB-187	pg/L							ND(1)			
PCB-189	pg/L							DNQ Est. Conc. 2.1			
PCB-194	pg/L							ND			
PCB-201	pg/L							ND			
PCB-206	pg/L							ND			
PCB-37	pg/L							DNQ Est. Conc. 5.6			

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Fluoride	mg/L			0.190	0.227	0.295			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.004			EPA 608	0.02	0.001	0.01
Gross alpha radioactivity	pCi/L			ND	1.54	3.40			EPA 900.0		1.04 - 2.22	1.04 - 2.22
Gross beta radioactivity	pCi/L			6.90	7.86	9.27			EPA 900.0		0.974 - 1.50	0.974 - 1.50
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.75	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L			DNQ Est. Conc. 16.3	18.6	28.8			EPA 200.8		3.0	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.14	ND	DNQ Est. Conc. 0.21	12	7	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.0050	0.0010	ND	0.0011	0.0050	0.11	0.051	EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.12 - 0.21	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND			EPA 625	5	0.14	5.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L	1.14	1.10	1.06	1.27	1.62	117	89	EPA 200.8	1	0.12	1.00
Nitrate + Nitrite as nitrogen	mg/L	4.85	4.62	3.94	4.90	5.33		7.1	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	4.82	4.58	3.90	4.87	5.31		7.1	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	0.038	ND	0.013	0.041		0.9	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L			ND(1)	ND(1)	DNQ Est. Conc. 13(1)			EPA 1613B		0.23 - 0.31	110
OctaCDF	pg/L			ND(1)(2)	ND(1)(2)	DNQ Est. Conc. 4.2(1)			EPA 1613B		0.26 - 0.36	110
Oil and grease	mg/L			ND	ND	ND	15	10	EPA 1664A		1.2	4.3 - 4.5
Organic nitrogen	mg/L	0.979	1.19	0.774	1.32	2.42			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L			0.298	0.490	0.871			EPA 365.1		0.001	0.030
PCB-105	pg/L			DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 4.8			EPA 1668		1.2	21
PCB-114	pg/L			DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 3.1			EPA 1668		1.3	21
PCB-118	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		1.2	21
PCB-123	pg/L			DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.0			EPA 1668		1.3	21
PCB-126	pg/L			DNQ Est. Conc. 2.9	ND	DNQ Est. Conc. 2.9			EPA 1668		1.3	21
PCB-129/138/163	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		2.1	630
PCB-158	pg/L			ND	ND	ND			EPA 1668		1.7	210
PCB-167	pg/L			DNQ Est. Conc. 2.8	ND	DNQ Est. Conc. 2.8			EPA 1668		1.1	21
PCB-169	pg/L			ND	ND	ND			EPA 1668		1.4	21
PCB-170	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		0.97	210
PCB-177	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		0.97	210
PCB-183	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		0.75	210
PCB-187	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		2.0	210
PCB-189	pg/L			DNQ Est. Conc. 2.1	ND	DNQ Est. Conc. 2.1			EPA 1668		1.5	21
PCB-194	pg/L			ND	ND	ND			EPA 1668		1.3	210
PCB-201	pg/L			ND	ND	ND			EPA 1668		1.0	210
PCB-206	pg/L			ND	ND	ND			EPA 1668		2.1	210
PCB-37	pg/L			DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6			EPA 1668		1.3	210

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-52	pg/L							DNQ Est. Conc. 27(1)			
PCB-61/70/74/76	pg/L							ND(1)			
PCB-66	pg/L							DNQ Est. Conc. 7.3			
PCB-77	pg/L							DNQ Est. Conc. 3.0			
PCB-81	pg/L							DNQ Est. Conc. 2.5			
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 11			
PCB-90/101/113	pg/L							ND(1)			
PCB-99	pg/L							DNQ Est. Conc. 5.8			
PCB110/115	pg/L							ND(1)			
PCB128/166	pg/L							ND			
PCB135/151	pg/L							ND(1)			
PCB147/149	pg/L							ND(1)			
PCB153/168	pg/L							ND(1)			
PCB156/157	pg/L							ND(1)			
PCB18/30	pg/L							DNQ Est. Conc. 24			
PCB180/193	pg/L							ND(1)			
PCB20/28	pg/L							DNQ Est. Conc. 26(1)			
PCB44/47/65	pg/L							ND(1)			
PCB49/69	pg/L							DNQ Est. Conc. 8.1			
PCBs as aroclors	ug/L	ND						ND			
PCBs as congeners	pg/L							ND			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.29			0.11			0.63			0.36
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	ND						DNQ Est. Conc. 0.36			
pH	SU	7.2	7.2	7.2	7.2	7.3	7.4	7.4	7.4	7.5	7.4
Pyrene	ug/L	ND						ND			
Selenium	ug/L	DNQ Est. Conc. 0.42			DNQ Est. Conc. 0.25			DNQ Est. Conc. 0.25			DNQ Est. Conc. 0.20
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			DNQ Est. Conc. 0.01			ND
Strontium-90	pCi/L	3.14			0.246			0.000			0.410
Sulfate	mg/L	108	110	98.9	167		88.4	93.5	88.3	91.9	93.4
Surfactant (CTAS)	mg/L	ND			0.10			ND			ND
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Temperature	Degrees F	72.3	72.0	73.3	78.0	81.4	83.0	84.5	85.1	83.9	81.9
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	ND						DNQ Est. Conc. 0.30			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		DNQ Est. Conc. 2.04	DNQ Est. Conc. 2.97	DNQ Est. Conc. 3.31	DNQ Est. Conc. 2.04	DNQ Est. Conc. 1.59	DNQ Est. Conc. 2.28	DNQ Est. Conc. 2.53	DNQ Est. Conc. 1.24	DNQ Est. Conc. 1.58
Total dissolved solids	mg/L	554	561	540	759	538	540	542	514	522	556
Total hardness (CaCO3)	mg/L	171	222	308	131	141	137	142	144	150	167
Total Kjeldahl Nitrogen (TKN)	mg/L	1.81	2.39	2.28	2.04	2.79	1.97	1.73	2.26	1.90	3.18
Total nitrogen	mg/L	6.85	7.30	6.99	7.36	7.86	7.03	5.67	7.28	7.16	8.18
Total phosphorus	mg/L	0.365			0.333			1.20			0.532
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	70.6	51.3	51.9	38.5	54.8	43.4	42.4	41.4	30.4	39.7
Toxaphene	ug/L	ND						ND			
Toxic equivalence	ug/L	ND						ND			
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			
Tritium	pCi/L	168			ND			ND			ND
Turbidity (flow proportioned avg daily value)	NTU	0.83	0.93	1.0	1.0	1.1	0.91	0.61	0.67	0.70	0.76

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-52	pg/L			DNQ Est. Conc. 27(1)	ND(1)	DNQ Est. Conc. 27(1)			EPA 1668		1.0	210
PCB-61/70/74/76	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		1.4	840
PCB-66	pg/L			DNQ Est. Conc. 7.3	ND	DNQ Est. Conc. 7.3			EPA 1668		1.5	210
PCB-77	pg/L			DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.0			EPA 1668		1.2	21
PCB-81	pg/L			DNQ Est. Conc. 2.5	ND	DNQ Est. Conc. 2.5			EPA 1668		1.3	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668		1.5	1300
PCB-90/101/113	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		1.5	630
PCB-99	pg/L			DNQ Est. Conc. 5.8	ND	DNQ Est. Conc. 5.8			EPA 1668		1.4	210
PCB110/115	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		1.3	420
PCB128/166	pg/L			ND	ND	ND			EPA 1668		2.0	420
PCB135/151	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		2.2	420
PCB147/149	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		2.2	420
PCB153/168	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		1.8	420
PCB156/157	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		1.8	42
PCB18/30	pg/L			DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24			EPA 1668		2.6	420
PCB180/193	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		0.80	420
PCB20/28	pg/L			DNQ Est. Conc. 26(1)	ND(1)	DNQ Est. Conc. 26(1)			EPA 1668		1.7	420
PCB44/47/65	pg/L			ND(1)	ND(1)	ND(1)			EPA 1668		0.96	630
PCB49/69	pg/L			DNQ Est. Conc. 8.1	ND	DNQ Est. Conc. 8.1			EPA 1668		0.85	420
PCBs as aroclors	ug/L			ND	ND	ND			EPA 608			
PCBs as congeners	pg/L			ND	ND	ND			EPA 1668			
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38	1.0
Perchlorate	ug/L			0.11	0.35	0.63			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.36			EPA 625	1	0.14	1.0
pH	SU	7.4	7.4	7.2	7.3	7.5			SM 4500 H+ B		1.00	4.00
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	ug/L			DNQ Est. Conc. 0.20	ND	DNQ Est. Conc. 0.42			EPA 200.8	2	0.04 - 0.10	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L			0.000	0.949	3.14	8		EPA 905.0		0.365 - 0.541	0.365 - 0.541
Sulfate	mg/L	97.0	95.7	88.3	103	167		300	EPA 300.0		0.020 - 0.120	2.00 - 2.50
Surfactant (CTAS)	mg/L			ND	0.025	0.10			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L			ND	ND	ND		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	82.3	79.5	72.0	79.8	85.1	86(4)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L			ND	ND	DNQ Est. Conc. 0.30			EPA 624	2	0.06 - 0.19	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	23(5)		SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 1.43	DNQ Est. Conc. 2.29	DNQ Est. Conc. 1.24	ND	DNQ Est. Conc. 3.31	8.9	4.1	SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	499	496	496	552	759		1000	SM 2540C		2.7	25.0 - 71.4
Total hardness (CaCO3)	mg/L	168	149	131	169	308			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.59	2.06	1.59	2.17	3.18			EPA 351.2		0.135	0.200 - 0.500
Total nitrogen	mg/L	6.44	6.68	5.67	7.07	8.18			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L			0.333	0.608	1.20			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	34.1	41.8	30.4	45.0	70.6		80	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.04	0.5
Toxic equivalence	ug/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.09 - 0.16	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L			ND	42.0	168			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.73	0.87	0.61	0.84	1.1	2		SM 2130B		0.12	0.12

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Uranium	pCi/L	1.09			0.699			0.000			0.000
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	63.6	67.7	79.6	74.5	82.1	73.3	79.2	75.9	74.0	82.6

Saugus Water Reclamation Plant
2017 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Uranium	pCi/L			0.000	0.447	1.09			EPA 908.0		0.470	0.470
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L	76.8	69.0	63.6	74.9	82.6	218	189	EPA 200.8	1	0.60 - 0.66	1.00

(1) Compound was found in the blank and sample.

(2) Reported blanks were the estimated maximum possible concentration of each analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative criteria and indicates a possible interference.

(3) The chloride effluent interim limit is equal to the sum of the State Water Project treated water supply chloride concentration plus 88 mg/L, expressed as a 12-month rolling average, not to exceed a daily maximum of 230 mg/L.

(4) The temperature of wastes discharged shall not exceed 86°F except as a result of external ambient temperature.

(5) Total coliforms cannot exceed 23/100 mL in more than one sample during any 30-day period.

Valencia WRP Influent Monitoring

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND							ND	
1,2,4-Trichlorobenzene	ug/L	ND							ND	
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						DNQ Est. Conc. 0.21		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND							ND	
2-Chlorophenol	ug/L	ND							ND	
2-Methyl-4,6-dinitrophenol	ug/L	ND							ND	
2-Nitrophenol	ug/L	ND							ND	
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND							ND	
2,4-Dimethylphenol	ug/L	ND							ND	
2,4-Dinitrophenol	ug/L	ND							ND	
2,4-Dinitrotoluene	ug/L	ND							ND	
2,4,6-Trichlorophenol	ug/L	ND							ND	
2,6-Dinitrotoluene	ug/L	ND							ND	
3-Methyl-4-chlorophenol	ug/L	ND							ND	
3,3'-Dichlorobenzidine	ug/L	ND							ND	
4-Bromophenyl phenyl ether	ug/L	ND							ND	
4-Chlorophenyl phenyl ether	ug/L	ND							ND	
4-Nitrophenol	ug/L	ND							ND	
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND							ND	
Acenaphthylene	ug/L	ND							ND	
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	DNQ Est. Conc. 0.003						ND		
Anthracene	ug/L	ND							ND	
Antimony	ug/L	0.76						0.83		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	1.70						1.79		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND							ND	
Benzo(a)anthracene	ug/L	ND							ND	
Benzo(a)pyrene	ug/L	ND							ND	
Benzo(b)fluoranthene	ug/L	ND							ND	
Benzo(g,h,i)perylene	ug/L	ND							ND	
Benzo(k)fluoranthene	ug/L	ND							ND	
Beryllium	ug/L	ND						ND		
beta-BHC	ug/L	ND						0.02		
bis(2-Chloroethoxy) methane	ug/L	ND							ND	
bis(2-Chloroethyl) ether	ug/L	ND							ND	
bis(2-Chloroisopropyl) ether	ug/L	ND							ND	

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.21	EPA 624	2	0.16 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.16 - 1.1	11 - 12
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.4	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	DNQ Est. Conc. 0.003	EPA 608	0.01	0.0005 - 0.002	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L				0.76	0.80	0.83	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L				1.70	1.75	1.79	EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.23	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				ND	0.01	0.02	EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16	20.0

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 14.4							DNQ Est. Conc. 14.0	
BOD	mg/L	295	300	309	330	382	318	321	288	284
Bromodichloromethane	ug/L	0.92						DNQ Est. Conc. 0.33		
Bromoform	ug/L	1.4						0.59		
Butyl benzyl phthalate	ug/L	ND							ND	
Cadmium	ug/L	DNQ Est. Conc. 0.10						0.30		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	127	131	126	129	126	124	130	122	127
Chlorobenzene	ug/L	ND						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	3.2						2.2		
Chromium III	ug/L	3.32						ND		
Chromium VI	ug/L	ND						0.11		
Chromium, total	ug/L	3.32						DNQ Est. Conc. 0.23		
Chrysene	ug/L	ND							ND	
Copper	ug/L	103						105		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND							ND	
Di-n-octyl phthalate	ug/L	ND							ND	
Dibenzo(a,h)anthracene	ug/L	ND							ND	
Dibromochloromethane	ug/L	1.4						DNQ Est. Conc. 0.49		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.0							DNQ Est. Conc. 4.9	
Dimethyl phthalate	ug/L	ND							ND	
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fluoranthene	ug/L	ND							ND	
Fluorene	ug/L	ND							ND	
gamma-BHC (Lindane)	ug/L	ND						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND							ND	
Hexachlorobutadiene	ug/L	ND							ND	
Hexachlorocyclopentadiene	ug/L	ND							ND	
Hexachloroethane	ug/L	ND							ND	
Indeno (1,2,3-cd) pyrene	ug/L	ND							ND	
Isophorone	ug/L	ND							ND	
Lead	ug/L	0.96						1.18		
Mercury	ug/L	0.09						0.06		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	3.8						0.70		
n-Nitrosodi-n-propylamine	ug/L	ND							ND	
n-Nitrosodimethylamine (NDMA)	ug/L	ND							ND	
n-Nitrosodiphenylamine	ug/L	ND							ND	
Naphthalene	ug/L	ND							ND	
Nickel	ug/L	3.94						4.62		
Nitrobenzene	ug/L	ND							ND	
PCB-105	pg/L							89		
PCB-114	pg/L							DNQ Est. Conc. 4.4		
PCB-118	pg/L							220 (1)		
PCB-123	pg/L							DNQ Est. Conc. 3.5		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 240 (1)		
PCB-158	pg/L							DNQ Est. Conc. 23 (1)		
PCB-167	pg/L							DNQ Est. Conc. 8.5		

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 14.0	ND	DNQ Est. Conc. 14.4	EPA 625	5	0.25	20.0
BOD	mg/L	313	343	361	284	320	382	SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.33	0.46	0.92	EPA 624	2	0.14 - 0.17	0.50
Bromoform	ug/L				0.59	1.00	1.4	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Cadmium	ug/L				DNQ Est. Conc. 0.10	0.15	0.30	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	125	117	106	106	124	131	EPA 300.0		0.030 - 0.190	10.0
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.13	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L				2.2	2.7	3.2	EPA 624	2	0.14 - 0.18	0.50
Chromium III	ug/L				ND	1.66	3.32	EPA 200.8			0.50
Chromium VI	ug/L				ND	0.055	0.11	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				DNQ Est. Conc. 0.23	1.7	3.32	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L				103	104	105	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Dibromochloromethane	ug/L				DNQ Est. Conc. 0.49	0.70	1.4	EPA 624	2	0.14 - 0.22	0.50
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.9	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L				0.96	1.1	1.18	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.06	0.08	0.09	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.15 - 0.19	0.50
Methylene chloride	ug/L				0.70	2.3	3.8	EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	0.12	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	0.14	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	ug/L				3.94	4.28	4.62	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0
PCB-105	pg/L				89	89	89	EPA 1668		3.4	20
PCB-114	pg/L				DNQ Est. Conc. 4.4	ND	DNQ Est. Conc. 4.4	EPA 1668		3.0	20
PCB-118	pg/L				220 (1)	220 (1)	220 (1)	EPA 1668		3.0	20
PCB-123	pg/L				DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5	EPA 1668		3.0	20
PCB-126	pg/L				ND	ND	ND	EPA 1668		3.2	20
PCB-129/138/163	pg/L				DNQ Est. Conc. 240 (1)	ND	DNQ Est. Conc. 240 (1)	EPA 1668		1.9	610
PCB-158	pg/L				DNQ Est. Conc. 23 (1)	ND	DNQ Est. Conc. 23 (1)	EPA 1668		1.5	200
PCB-167	pg/L				DNQ Est. Conc. 8.5	ND	DNQ Est. Conc. 8.5	EPA 1668		1.2	20

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-169	pg/L							ND		
PCB-170	pg/L							ND (1)		
PCB-177	pg/L							ND (1)		
PCB-183	pg/L							ND (1)		
PCB-187	pg/L							ND (1)		
PCB-189	pg/L							ND		
PCB-194	pg/L							ND (1)		
PCB-201	pg/L							ND (1)		
PCB-206	pg/L							ND (1)		
PCB-37	pg/L							ND		
PCB-52	pg/L							210 (1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 180 (1)		
PCB-66	pg/L							DNQ Est. Conc. 76		
PCB-77	pg/L							DNQ Est. Conc. 10		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 190		
PCB-90/101/113	pg/L							DNQ Est. Conc. 280 (1)		
PCB-99	pg/L							DNQ Est. Conc. 100		
PCB110/115	pg/L							DNQ Est. Conc. 290 (1)		
PCB128/166	pg/L							DNQ Est. Conc. 27 (1)		
PCB135/151	pg/L							ND (1)		
PCB147/149	pg/L							ND (1)		
PCB153/168	pg/L							ND (1)		
PCB156/157	pg/L							DNQ Est. Conc. 32 (1)		
PCB18/30	pg/L							DNQ Est. Conc. 63		
PCB180/193	pg/L							ND (1)		
PCB20/28	pg/L							DNQ Est. Conc. 100 (1)		
PCB44/47/65	pg/L							DNQ Est. Conc. 290 (1)		
PCB49/69	pg/L							DNQ Est. Conc. 57		
Pentachlorophenol	ug/L	ND							ND	
Phenanthrene	ug/L	ND							ND	
Phenol	ug/L	20.8							11.5	
pH	SU	7.7	7.7	7.8	7.6	7.6	7.7	7.5	7.5	7.8
Pyrene	ug/L	ND							ND	
Selenium	ug/L	1.01						DNQ Est. Conc. 0.92		
Silver	ug/L	0.41						0.27		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	0.60						1.4		
Total cyanide	ug/L	ND						DNQ Est. Conc. 1.16		
Total PCB as Aroclors	ug/L	ND						ND		
Total PCB as Congeners	pg/L							519 (1)		
Total suspended solids	mg/L	403	407	356	351	398	361	385	405	410
Total trihalomethanes	ug/L	6.9						3.6		
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	99.3						122		

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-169	pg/L				ND	ND	ND	EPA 1668		1.3	20
PCB-170	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		0.86	200
PCB-177	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		0.86	200
PCB-183	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		0.67	200
PCB-187	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		1.1	200
PCB-189	pg/L				ND	ND	ND	EPA 1668		1.8	20
PCB-194	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		1.3	200
PCB-201	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		0.74	200
PCB-206	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		2.2	200
PCB-37	pg/L				ND	ND	ND	EPA 1668		32	200
PCB-52	pg/L				210 (1)	210 (1)	210 (1)	EPA 1668		1.0	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 180 (1)	ND	DNQ Est. Conc. 180 (1)	EPA 1668		1.5	810
PCB-66	pg/L				DNQ Est. Conc. 76	ND	DNQ Est. Conc. 76	EPA 1668		1.6	200
PCB-77	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10	EPA 1668		1.6	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		1.6	20
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		3.3	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 280 (1)	ND	DNQ Est. Conc. 280 (1)	EPA 1668		3.4	610
PCB-99	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		3.1	200
PCB110/115	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		2.9	410
PCB128/166	pg/L				DNQ Est. Conc. 27 (1)	ND	DNQ Est. Conc. 27 (1)	EPA 1668		1.8	410
PCB135/151	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		2.0	410
PCB147/149	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		1.9	410
PCB153/168	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		1.6	410
PCB156/157	pg/L				DNQ Est. Conc. 32 (1)	ND	DNQ Est. Conc. 32 (1)	EPA 1668		1.9	41
PCB18/30	pg/L				DNQ Est. Conc. 63	ND	DNQ Est. Conc. 63	EPA 1668		3.2	410
PCB180/193	pg/L				ND (1)	ND	ND (1)	EPA 1668		0.71	410
PCB20/28	pg/L				DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668		31	410
PCB44/47/65	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		0.96	610
PCB49/69	pg/L				DNQ Est. Conc. 57	ND	DNQ Est. Conc. 57	EPA 1668		0.84	410
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Phenol	ug/L				11.5	16.2	20.8	EPA 625	1	0.14	10.0
pH	SU	7.6	7.7	7.6	7.5	7.7	7.8	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L				DNQ Est. Conc. 0.92	0.51	1.01	EPA 200.8	2	0.04	1.00
Silver	ug/L				0.27	0.34	0.41	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				0.60	1.0	1.4	EPA 624	2	0.08 - 0.19	0.50
Total cyanide	ug/L				ND	ND	DNQ Est. Conc. 1.16	SM 4500 CN E	5	1.00	5.00
Total PCB as Aroclors	ug/L				ND	ND	ND	EPA 608			
Total PCB as Congeners	pg/L				519 (1)	519 (1)	519 (1)	EPA 1668			
Total suspended solids	mg/L	461	432	417	351	399	461	SM 2540D		2.5	100
Total trihalomethanes	ug/L				3.6	5.3	6.9	EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.25 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L				99.3	111	122	EPA 200.8	1	0.60	1.00

(1) Blank contamination was observed for the analysis of these PCB congeners.

Valencia WRP Effluent Monitoring

Valencia Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3-Trichloropropane	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 2.3			DNQ Est. Conc. 7.5 (1)			ND (1)			ND (1)
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 1.9			ND (1)			ND (1)			ND (1)
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 0.65			ND			ND			ND (1)
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.95			DNQ Est. Conc. 2.9			ND			ND
1,2,3,4,7,8,9-HeptaCDF	pg/L	DNQ Est. Conc. 1.2			DNQ Est. Conc. 3.6			ND			ND
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 0.96			DNQ Est. Conc. 0.49 (2)			ND			ND
1,2,3,6,7,8-HexaCDF	pg/L	ND			DNQ Est. Conc. 3.2			ND			ND
1,2,3,7,8-PentaCDD	pg/L	ND			ND			ND			ND
1,2,3,7,8-PentaCDF	pg/L	ND			DNQ Est. Conc. 1.3			ND			ND
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 0.91			DNQ Est. Conc. 0.56 (2)			ND			DNQ Est. Conc. 1.1
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 0.93			DNQ Est. Conc. 0.81 (2)			ND			ND
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
1,4-Dioxane	ug/L	0.80						0.72			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.88			DNQ Est. Conc. 0.66 (2)			ND			ND
2,3,4,7,8-PentaCDF	pg/L	ND			ND			ND			ND
2,3,7,8-TCDD	pg/L	ND			ND			ND			ND
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 2.1			ND			DNQ Est. Conc. 2.6			ND
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	ND						ND			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
4,4'-DDT	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	0.754	0.995	1.12	0.806	1.03	0.863	1.13	0.837	0.822	0.844
Anthracene	ug/L	ND						ND			
Antimony	ug/L	DNQ Est. Conc. 0.41						0.67			
Aroclor 1016	ug/L	ND						ND			

Valencia Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012 - 0.024	0.0050 - 0.10
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (1)	ND (1)	DNQ Est. Conc. 7.5 (1)			EPA 1613B		0.32 - 0.57	51 - 53
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (1)	ND (1)	DNQ Est. Conc. 1.9			EPA 1613B		0.23 - 1.5	51 - 53
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.65			EPA 1613B		0.26 - 0.46	51 - 53
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 2.9			EPA 1613B		0.35 - 1.4	51 - 53
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 3.6			EPA 1613B		0.33 - 1.7	51 - 53
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.96			EPA 1613B		0.26 - 0.45	51 - 53
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 3.2			EPA 1613B		0.32 - 1.3	51 - 53
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.64 - 0.91	51 - 53
1,2,3,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.37 - 0.52	51 - 53
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.22 - 0.42	51 - 53
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.93			EPA 1613B		0.25 - 0.65	51 - 53
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
1,4-Dioxane	ug/L			0.72	0.76	0.80			SW-846 8270MOD 1,4-Dioxane		0.05	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.88			EPA 1613B		0.28 - 0.76	51 - 53
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.41 - 0.57	51 - 53
2,3,7,8-TCDD	pg/L			ND	ND	ND	0.028	0.014	EPA 1613B		0.58 - 0.78	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 2.6			EPA 1613B		0.41 - 0.46	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.4	10.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.847	0.950	0.754	0.917	1.13	5.2	1.75	SM 4500 NH3 G		0.020	0.100
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L			DNQ Est. Conc. 0.41	0.34	0.67			EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1

Valencia Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	DNQ Est. Conc. 0.72	1.19	DNQ Est. Conc. 0.56	DNQ Est. Conc. 0.66	DNQ Est. Conc. 0.63	DNQ Est. Conc. 0.79	1.04	DNQ Est. Conc. 0.94	DNQ Est. Conc. 0.75	1.25
Barium	mg/L	0.0102			0.00669			0.00714			0.00792
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND						ND			
Benzo(b)fluoranthene	ug/L	ND						ND			
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND						ND			
Beryllium	ug/L	ND						ND			
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.50	0.44	0.41	0.68	0.43	0.42	0.45	0.48	0.49	0.47
Bromodichloromethane	ug/L	19.8	18.2	21.4	18.7	15.7	16.0	13.7	12.6	15.9	16.8
Bromoform	ug/L	2.7	1.8	3.1	2.5	1.8	1.8	1.3	1.2	1.8	1.4
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	ND			ND			ND			DNQ Est. Conc. 0.050
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	133	141	133	142	142	139	140	145	137	138
Chlorobenzene	ug/L	ND						ND			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	20.3	15.4	15.2	12.7	13.7	13.0	15.0	11.4	12.7	15.0
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	ND						ND			
Chromium VI	ug/L	DNQ Est. Conc. 0.04						ND			
Chromium, total (GRAB)	ug/L	DNQ Est. Conc. 0.21						DNQ Est. Conc. 0.17			
Chromium, total (24-hr composite)	ug/L	DNQ Est. Conc. 0.45			0.64			0.69			DNQ Est. Conc. 0.30
Chrysene	ug/L	ND						ND			
Copper	ug/L	1.44	3.84	2.29	1.62	1.60	1.46	1.60	1.77	1.83	2.61
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Diazinon	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			
Dibromochloromethane	ug/L	12.5	9.7	13.9	11.9	11.4	8.4	6.5	6.1	8.6	7.8
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND						ND			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	8.1	8.8	8.4	8.2	8.2	7.9	7.6	7.3	7.5	7.9
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			

Valencia Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L	DNQ Est. Conc. 0.77	DNQ Est. Conc. 0.83	DNQ Est. Conc. 0.56	0.29	1.25			EPA 200.8	2	0.14 - 0.15	1.00
Barium	mg/L			0.00669	0.00799	0.0102			EPA 200.8		0.000076-0.00008	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND		4	EPA 625	5	0.17 - 0.25	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.49	0.48	0.41	0.48	0.68		1.5	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L	12.6	17.2	12.6	16.6	21.4			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	0.70	1.1	0.70	1.8	3.1			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	ug/L			ND	ND	DNQ Est. Conc. 0.050			EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	129	120	120	137	145	230	150 (3)	EPA 300.0		0.030 - 0.190	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.13	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	13.6	15.3	11.4	14.4	20.3			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003 - 0.0060	0.05 - 0.10
Chromium III	ug/L			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L			ND	ND	DNQ Est. Conc. 0.04			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total (GRAB)	ug/L			DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.21			EPA 200.8	0.5	0.11	0.50
Chromium, total (24-hr composite)	ug/L			DNQ Est. Conc. 0.30	0.33	0.69			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	2.31	2.05	1.44	2.04	3.84	39	12	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004 - 0.0060	0.05 - 0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L	4.1	7.4	4.1	9.0	13.9			EPA 624	2	0.08 - 0.22	0.50
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	8.0	8.2	7.3	8.0	8.8			HACH 10360 LDO & SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.335			0.376			0.301			0.285
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.002						ND			
Gross alpha radioactivity	pCi/L	1.79			2.56			1.68			2.26
Gross beta radioactivity	pCi/L	9.79			11.7			31.7			13.8
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND			
Iron	ug/L	102	62.9	90.7	121	121	89.3	131	84.7	95.1	68.6
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.08			DNQ Est. Conc. 0.05			DNQ Est. Conc. 0.10			DNQ Est. Conc. 0.06
Mercury	ug/L	0.0015	0.00063	0.00056	ND	DNQ Est. Conc. 0.00048	DNQ Est. Conc. 0.00034	0.0017	0.00053	0.056	0.00088
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	ND						DNQ Est. Conc. 0.62			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	2.42			2.34			3.49			2.25
Nitrate + nitrite as nitrogen	mg/L	2.06	2.22	2.51	2.55	1.96	2.11	1.32	2.06	3.03	2.37
Nitrate as nitrogen	mg/L	2.04	2.18	2.48	2.54	1.94	2.09	1.27	2.03	2.99	2.34
Nitrite as nitrogen	mg/L	ND	0.039	0.032	ND	ND	ND	0.046	ND	0.035	0.032
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	DNQ Est. Conc. 11			DNQ Est. Conc. 85 (1)			ND (1)			ND (1)
OctaCDF	pg/L	DNQ Est. Conc. 6.0			DNQ Est. Conc. 25			ND (1)			ND (1)
Oil and grease	mg/L	ND			ND			ND			ND
Organic nitrogen	mg/L	1.92	1.34	1.26	1.25	1.74	1.23	0.672	1.11	1.36	1.13
Orthophosphate-P	mg/L	0.444			0.411			1.54			3.35
PCB-105	pg/L							ND			
PCB-114	pg/L							ND			
PCB-118	pg/L							ND (1)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-129/138/163	pg/L							ND (1)			
PCB-158	pg/L							ND			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							ND (1)			
PCB-177	pg/L							ND (1)			
PCB-183	pg/L							ND (1)			
PCB-187	pg/L							ND (1)			
PCB-189	pg/L							ND			
PCB-194	pg/L							ND (1)			
PCB-201	pg/L							ND			
PCB-206	pg/L							ND			
PCB-37	pg/L							DNQ Est. Conc. 3.3			
PCB-52	pg/L							DNQ Est. Conc. 23 (1)			
PCB-61/70/74/76	pg/L							ND (1)			
PCB-66	pg/L							DNQ Est. Conc. 5.5			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 8.9			
PCB-90/101/113	pg/L							ND (1)			

Valencia Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Fluoride	mg/L			0.285	0.324	0.376			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.002			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L			1.68	2.07	2.56			EPA 900.0		1.36 - 2.54	1.36 - 2.54
Gross beta radioactivity	pCi/L			9.79	16.7	31.7			EPA 900.0		1.20 - 1.26	1.20 - 1.26
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.75	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L	72.2	92.0	62.9	94.2	131		300	EPA 200.8		3.0	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L			DNQ Est. Conc. 0.05	ND	DNQ Est. Conc. 0.10			EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0064	0.0012	ND	0.0058	0.056			EPA 1631E		0.00031 - 0.0031	0.00050 - 0.0050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.08 - 0.12	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	DNQ Est. Conc. 0.62			EPA 625	5	0.14	5.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L			2.25	2.63	3.49			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	2.58	2.28	1.32	2.25	3.03		6.8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	2.54	2.24	1.27	2.22	2.99		6.8	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.037	0.038	ND	0.022	0.046		0.9	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L			ND (1)	ND (1)	DNQ Est. Conc. 85 (1)			EPA 1613B		0.23 - 0.61	100 - 110
OctaCDF	pg/L			ND (1)	ND (1)	DNQ Est. Conc. 25			EPA 1613B		0.39 - 0.93	100 - 110
Oil and grease	mg/L			ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.5
Organic nitrogen	mg/L	1.05	0.964	0.672	1.25	1.92			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L			0.411	1.44	3.35			EPA 365.1		0.001	0.030 - 0.060
PCB-105	pg/L			ND	ND	ND			EPA 1668C		1.1	21
PCB-114	pg/L			ND	ND	ND			EPA 1668C		1.1	21
PCB-118	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.1	21
PCB-123	pg/L			ND	ND	ND			EPA 1668C		1.1	21
PCB-126	pg/L			ND	ND	ND			EPA 1668C		1.2	21
PCB-129/138/163	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.4	620
PCB-158	pg/L			ND	ND	ND			EPA 1668C		1.1	210
PCB-167	pg/L			ND	ND	ND			EPA 1668C		0.64	21
PCB-169	pg/L			ND	ND	ND			EPA 1668C		0.73	21
PCB-170	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.94	210
PCB-177	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.94	210
PCB-183	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.73	210
PCB-187	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.4	210
PCB-189	pg/L			ND	ND	ND			EPA 1668C		1.2	21
PCB-194	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.96	210
PCB-201	pg/L			ND	ND	ND			EPA 1668C		0.66	210
PCB-206	pg/L			ND	ND	ND			EPA 1668C		1.4	210
PCB-37	pg/L			DNQ Est. Conc. 3.3	ND	DNQ Est. Conc. 3.3			EPA 1668C		2.2	210
PCB-52	pg/L			DNQ Est. Conc. 23 (1)	ND (1)	DNQ Est. Conc. 23 (1)			EPA 1668C		1.2	210
PCB-61/70/74/76	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.4	830
PCB-66	pg/L			DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 5.5			EPA 1668C		1.4	210
PCB-77	pg/L			ND	ND	ND			EPA 1668C		1.1	21
PCB-81	pg/L			ND	ND	ND			EPA 1668C		1.2	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 8.9	ND	DNQ Est. Conc. 8.9			EPA 1668C		1.3	1200
PCB-90/101/113	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.3	620

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-99	pg/L							DNQ Est. Conc. 4.7			
PCB110/115	pg/L							ND (1)			
PCB128/166	pg/L							ND			
PCB135/151	pg/L							ND			
PCB147/149	pg/L							ND (1)			
PCB153/168	pg/L							ND (1)			
PCB156/157	pg/L							ND			
PCB18/30	pg/L							DNQ Est. Conc. 22			
PCB180/193	pg/L							ND (1)			
PCB20/28	pg/L							DNQ Est. Conc. 21 (1)			
PCB44/47/65	pg/L							DNQ Est. Conc. 42 (1)			
PCB49/69	pg/L							DNQ Est. Conc. 7.1			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	ND						0.97			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	ND						DNQ Est. Conc. 0.26			
pH	SU	7.2	7.2	7.3	7.3	7.2	7.2	7.2	7.3	7.3	7.3
Pyrene	ug/L	ND						ND			
Selenium	ug/L	DNQ Est. Conc. 0.40	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.30
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	ND			ND			0.334			ND
Sulfate	mg/L	191	150	155	221	128	129	149	153	149	157
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Temperature	Degrees F	72.8	72.6	76.8	75.5	77.8	80.4	82.5	83.4	83.1	80.8
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Total chlorinated hydrocarbons (TICH)	mg/L	ND			ND			ND			ND
Toluene	ug/L	ND						DNQ Est. Conc. 0.17			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		DNQ Est. Conc. 3.0	DNQ Est. Conc. 2.6	DNQ Est. Conc. 4.9	DNQ Est. Conc. 4.4	DNQ Est. Conc. 3.3	DNQ Est. Conc. 1.0	DNQ Est. Conc. 1.1	DNQ Est. Conc. 1.9	ND
Total dissolved solids	mg/L	745	636	634	833	597	603	650	638	647	736
Total hardness (CaCO3)	mg/L	263	240	313	195	173	169	206	217	239	240
Total Kjeldahl Nitrogen (TKN)	mg/L	2.67	2.34	2.38	2.06	2.77	2.10	1.80	1.95	2.18	1.97
Total nitrogen	mg/L	4.73	4.56	4.88	4.61	4.73	4.21	3.12	4.01	5.21	4.34
Total phosphorus	mg/L	0.483			0.424			1.55			3.22
Total PCB Aroclors	ug/L	ND						ND			
Total PCB Congeners	pg/L							ND			
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	55.3	45.1	53.6	45.8	42.6	39.2	36.5	31.3	39.0	41.0
Toxaphene	ug/L	ND						ND			
Toxic equivalence	pg/L	ND			ND			ND			ND
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			
Tritium	pCi/L	ND			ND			ND			ND
Turbidity (flow proportioned avg daily value)	NTU	0.66	0.71	0.74	0.68	0.72	0.79	0.90	0.73	0.69	0.72
Uranium	pCi/L	0.539			0.583			0.219			0
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	24.8			23.0			32.6			31.3

Valencia Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-99	pg/L			DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7			EPA 1668C		1.2	210
PCB110/115	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.1	420
PCB128/166	pg/L			ND	ND	ND			EPA 1668C		1.3	420
PCB135/151	pg/L			ND	ND	ND			EPA 1668C		1.5	420
PCB147/149	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.4	420
PCB153/168	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.2	420
PCB156/157	pg/L			ND	ND	ND			EPA 1668C		0.98	42
PCB18/30	pg/L			DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22			EPA 1668C		3.9	420
PCB180/193	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.77	420
PCB20/28	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21			EPA 1668C		3.1	420
PCB44/47/65	pg/L			DNQ Est. Conc. 42	ND	DNQ Est. Conc. 42			EPA 1668C		1.2	620
PCB49/69	pg/L			DNQ Est. Conc. 7.1	ND	DNQ Est. Conc. 7.1			EPA 1668C		1.0	420
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38	1.0
Perchlorate	ug/L			ND	0.49	0.97			EPA 331.0		0.0201 - 0.201	0.05 - 0.50
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.26			EPA 625	1	0.14	1.0
pH	SU	7.2	7.2	7.2	7.2	7.3			SM 4500 H+ B		1.00	4.00
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	ug/L	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.20	ND	DNQ Est. Conc. 0.42	6.8	4.5	EPA 200.8	2	0.04 - 0.10	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	0.0835	0.334	8		EPA 905.0		0.400 - 0.540	0.400 - 0.540
Sulfate	mg/L	152	135	128	156	221		400	EPA 300.0		0.020 - 0.120	2.50
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L			ND	ND	ND		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	78.3	74.7	72.6	78.2	83.4	86		EPA 170.1 (^{0}F)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.015	0.25
Total chlorinated hydrocarbons (TICH)	mg/L			ND	ND	ND			EPA 608			
Toluene	ug/L			ND	ND	DNQ Est. Conc. 0.17			EPA 624	2	0.08 - 0.19	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	23/240		SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 2.7	ND	ND	ND	DNQ Est. Conc. 4.9	7.0	4.7	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	637	570	570	661	833		1000	SM 2540C		2.7	25.0 - 71.4
Total hardness (CaCO3)	mg/L	222	215	169	224	313			EPA 200.8 & SM 2340C		0,01	0.05 - 12
Total Kjeldahl Nitrogen (TKN)	mg/L	1.90	1.91	1.80	2.17	2.77			EPA 351.2		0.135	0.200 - 0.500
Total nitrogen	mg/L	4.48	4.19	3.12	4.42	5.21			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L			0.424	1.42	3.22			EPA 365.1		0.001	0.030
Total PCB Aroclors	ug/L			ND	ND	ND			EPA 608			
Total PCB Congeners	pg/L			ND	ND	ND			EPA 1668			
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	31.0	41.0	31.0	41.8	55.3		80	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.25 - 0.28	0.50
Tritium	pCi/L			ND	ND	ND	20000		EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.64	0.66	0.64	0.72	0.90	2		SM 2130B		0.12	0.12
Uranium	pCi/L			0	0.34	0.583			EPA 908.0		0.300 - 0.47	0.300 - 0.47
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L			23.0	27.9	32.6			EPA 200.8	1	0.60	1.00

(1) Blank contamination was observed for the analysis of these TCDD and PCB congeners.
(2) Reported blanks were the estimated maximum possible concentration of each analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative criteria and indicates a possible interference.
(3) The effluent chloride interim limit is equal to the sum of the State Water Project treated water supply chloride concentration plus 97 mg/L, not to exceed a daily maximum of 230 mg/L. See Chapter 1 for more details.

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND							ND	
1,2,4-Trichlorobenzene	ug/L	ND							ND	
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						DNQ Est. Conc. 0.21		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND							ND	
2-Chlorophenol	ug/L	ND							ND	
2-Methyl-4,6-dinitrophenol	ug/L	ND							ND	
2-Nitrophenol	ug/L	ND							ND	
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND							ND	
2,4-Dimethylphenol	ug/L	ND							ND	
2,4-Dinitrophenol	ug/L	ND							ND	
2,4-Dinitrotoluene	ug/L	ND							ND	
2,4,6-Trichlorophenol	ug/L	ND							ND	
2,6-Dinitrotoluene	ug/L	ND							ND	
3-Methyl-4-chlorophenol	ug/L	ND							ND	
3,3'-Dichlorobenzidine	ug/L	ND							ND	
4-Bromophenyl phenyl ether	ug/L	ND							ND	
4-Chlorophenyl phenyl ether	ug/L	ND							ND	
4-Nitrophenol	ug/L	ND							ND	
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND							ND	
Acenaphthylene	ug/L	ND							ND	
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	DNQ Est. Conc. 0.003						ND		
Anthracene	ug/L	ND							ND	
Antimony	ug/L	0.76						0.83		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	1.70						1.79		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND							ND	
Benzo(a)anthracene	ug/L	ND							ND	
Benzo(a)pyrene	ug/L	ND							ND	
Benzo(b)fluoranthene	ug/L	ND							ND	
Benzo(g,h,i)perylene	ug/L	ND							ND	
Benzo(k)fluoranthene	ug/L	ND							ND	
Beryllium	ug/L	ND						ND		
beta-BHC	ug/L	ND						0.02		
bis(2-Chloroethoxy) methane	ug/L	ND							ND	
bis(2-Chloroethyl) ether	ug/L	ND							ND	
bis(2-Chloroisopropyl) ether	ug/L	ND							ND	

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.21	EPA 624	2	0.16 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.16 - 1.1	11 - 12
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.4	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	DNQ Est. Conc. 0.003	EPA 608	0.01	0.0005 - 0.002	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L				0.76	0.80	0.83	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L				1.70	1.75	1.79	EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.23	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				ND	0.01	0.02	EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16	20.0

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 14.4							DNQ Est. Conc. 14.0	
BOD	mg/L	295	300	309	330	382	318	321	288	284
Bromodichloromethane	ug/L	0.92						DNQ Est. Conc. 0.33		
Bromoform	ug/L	1.4						0.59		
Butyl benzyl phthalate	ug/L	ND							ND	
Cadmium	ug/L	DNQ Est. Conc. 0.10						0.30		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	127	131	126	129	126	124	130	122	127
Chlorobenzene	ug/L	ND						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	3.2						2.2		
Chromium III	ug/L	3.32						ND		
Chromium VI	ug/L	ND						0.11		
Chromium, total	ug/L	3.32						DNQ Est. Conc. 0.23		
Chrysene	ug/L	ND							ND	
Copper	ug/L	103						105		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND							ND	
Di-n-octyl phthalate	ug/L	ND							ND	
Dibenzo(a,h)anthracene	ug/L	ND							ND	
Dibromochloromethane	ug/L	1.4						DNQ Est. Conc. 0.49		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.0							DNQ Est. Conc. 4.9	
Dimethyl phthalate	ug/L	ND							ND	
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fluoranthene	ug/L	ND							ND	
Fluorene	ug/L	ND							ND	
gamma-BHC (Lindane)	ug/L	ND						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND							ND	
Hexachlorobutadiene	ug/L	ND							ND	
Hexachlorocyclopentadiene	ug/L	ND							ND	
Hexachloroethane	ug/L	ND							ND	
Indeno (1,2,3-cd) pyrene	ug/L	ND							ND	
Isophorone	ug/L	ND							ND	
Lead	ug/L	0.96						1.18		
Mercury	ug/L	0.09						0.06		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	3.8						0.70		
n-Nitrosodi-n-propylamine	ug/L	ND							ND	
n-Nitrosodimethylamine (NDMA)	ug/L	ND							ND	
n-Nitrosodiphenylamine	ug/L	ND							ND	
Naphthalene	ug/L	ND							ND	
Nickel	ug/L	3.94						4.62		
Nitrobenzene	ug/L	ND							ND	
PCB-105	pg/L							89		
PCB-114	pg/L							DNQ Est. Conc. 4.4		
PCB-118	pg/L							220 (1)		
PCB-123	pg/L							DNQ Est. Conc. 3.5		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 240 (1)		
PCB-158	pg/L							DNQ Est. Conc. 23 (1)		
PCB-167	pg/L							DNQ Est. Conc. 8.5		

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 14.0	ND	DNQ Est. Conc. 14.4	EPA 625	5	0.25	20.0
BOD	mg/L	313	343	361	284	320	382	SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.33	0.46	0.92	EPA 624	2	0.14 - 0.17	0.50
Bromoform	ug/L				0.59	1.00	1.4	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Cadmium	ug/L				DNQ Est. Conc. 0.10	0.15	0.30	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	125	117	106	106	124	131	EPA 300.0		0.030 - 0.190	10.0
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.13	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L				2.2	2.7	3.2	EPA 624	2	0.14 - 0.18	0.50
Chromium III	ug/L				ND	1.66	3.32	EPA 200.8			0.50
Chromium VI	ug/L				ND	0.055	0.11	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				DNQ Est. Conc. 0.23	1.7	3.32	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L				103	104	105	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.15	100
Dibromochloromethane	ug/L				DNQ Est. Conc. 0.49	0.70	1.4	EPA 624	2	0.14 - 0.22	0.50
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.9	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18	100
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L				0.96	1.1	1.18	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.06	0.08	0.09	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.15 - 0.19	0.50
Methylene chloride	ug/L				0.70	2.3	3.8	EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	0.12	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	0.14	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	ug/L				3.94	4.28	4.62	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0
PCB-105	pg/L				89	89	89	EPA 1668		3.4	20
PCB-114	pg/L				DNQ Est. Conc. 4.4	ND	DNQ Est. Conc. 4.4	EPA 1668		3.0	20
PCB-118	pg/L				220 (1)	220 (1)	220 (1)	EPA 1668		3.0	20
PCB-123	pg/L				DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5	EPA 1668		3.0	20
PCB-126	pg/L				ND	ND	ND	EPA 1668		3.2	20
PCB-129/138/163	pg/L				DNQ Est. Conc. 240 (1)	ND	DNQ Est. Conc. 240 (1)	EPA 1668		1.9	610
PCB-158	pg/L				DNQ Est. Conc. 23 (1)	ND	DNQ Est. Conc. 23 (1)	EPA 1668		1.5	200
PCB-167	pg/L				DNQ Est. Conc. 8.5	ND	DNQ Est. Conc. 8.5	EPA 1668		1.2	20

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-169	pg/L							ND		
PCB-170	pg/L							ND (1)		
PCB-177	pg/L							ND (1)		
PCB-183	pg/L							ND (1)		
PCB-187	pg/L							ND (1)		
PCB-189	pg/L							ND		
PCB-194	pg/L							ND (1)		
PCB-201	pg/L							ND (1)		
PCB-206	pg/L							ND (1)		
PCB-37	pg/L							ND		
PCB-52	pg/L							210 (1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 180 (1)		
PCB-66	pg/L							DNQ Est. Conc. 76		
PCB-77	pg/L							DNQ Est. Conc. 10		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 190		
PCB-90/101/113	pg/L							DNQ Est. Conc. 280 (1)		
PCB-99	pg/L							DNQ Est. Conc. 100		
PCB110/115	pg/L							DNQ Est. Conc. 290 (1)		
PCB128/166	pg/L							DNQ Est. Conc. 27 (1)		
PCB135/151	pg/L							ND (1)		
PCB147/149	pg/L							ND (1)		
PCB153/168	pg/L							ND (1)		
PCB156/157	pg/L							DNQ Est. Conc. 32 (1)		
PCB18/30	pg/L							DNQ Est. Conc. 63		
PCB180/193	pg/L							ND (1)		
PCB20/28	pg/L							DNQ Est. Conc. 100 (1)		
PCB44/47/65	pg/L							DNQ Est. Conc. 290 (1)		
PCB49/69	pg/L							DNQ Est. Conc. 57		
Pentachlorophenol	ug/L	ND							ND	
Phenanthrene	ug/L	ND							ND	
Phenol	ug/L	20.8							11.5	
pH	SU	7.7	7.7	7.8	7.6	7.6	7.7	7.5	7.5	7.8
Pyrene	ug/L	ND							ND	
Selenium	ug/L	1.01						DNQ Est. Conc. 0.92		
Silver	ug/L	0.41						0.27		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	0.60						1.4		
Total cyanide	ug/L	ND						DNQ Est. Conc. 1.16		
Total PCB as Aroclors	ug/L	ND						ND		
Total PCB as Congeners	pg/L							519 (1)		
Total suspended solids	mg/L	403	407	356	351	398	361	385	405	410
Total trihalomethanes	ug/L	6.9						3.6		
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	99.3						122		

Valencia Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-169	pg/L				ND	ND	ND	EPA 1668		1.3	20
PCB-170	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		0.86	200
PCB-177	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		0.86	200
PCB-183	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		0.67	200
PCB-187	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		1.1	200
PCB-189	pg/L				ND	ND	ND	EPA 1668		1.8	20
PCB-194	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		1.3	200
PCB-201	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		0.74	200
PCB-206	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		2.2	200
PCB-37	pg/L				ND	ND	ND	EPA 1668		32	200
PCB-52	pg/L				210 (1)	210 (1)	210 (1)	EPA 1668		1.0	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 180 (1)	ND	DNQ Est. Conc. 180 (1)	EPA 1668		1.5	810
PCB-66	pg/L				DNQ Est. Conc. 76	ND	DNQ Est. Conc. 76	EPA 1668		1.6	200
PCB-77	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10	EPA 1668		1.6	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		1.6	20
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		3.3	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 280 (1)	ND	DNQ Est. Conc. 280 (1)	EPA 1668		3.4	610
PCB-99	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		3.1	200
PCB110/115	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		2.9	410
PCB128/166	pg/L				DNQ Est. Conc. 27 (1)	ND	DNQ Est. Conc. 27 (1)	EPA 1668		1.8	410
PCB135/151	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		2.0	410
PCB147/149	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		1.9	410
PCB153/168	pg/L				ND (1)	ND (1)	ND (1)	EPA 1668		1.6	410
PCB156/157	pg/L				DNQ Est. Conc. 32 (1)	ND	DNQ Est. Conc. 32 (1)	EPA 1668		1.9	41
PCB18/30	pg/L				DNQ Est. Conc. 63	ND	DNQ Est. Conc. 63	EPA 1668		3.2	410
PCB180/193	pg/L				ND (1)	ND	ND (1)	EPA 1668		0.71	410
PCB20/28	pg/L				DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668		31	410
PCB44/47/65	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		0.96	610
PCB49/69	pg/L				DNQ Est. Conc. 57	ND	DNQ Est. Conc. 57	EPA 1668		0.84	410
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0
Phenol	ug/L				11.5	16.2	20.8	EPA 625	1	0.14	10.0
pH	SU	7.6	7.7	7.6	7.5	7.7	7.8	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L				DNQ Est. Conc. 0.92	0.51	1.01	EPA 200.8	2	0.04	1.00
Silver	ug/L				0.27	0.34	0.41	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				0.60	1.0	1.4	EPA 624	2	0.08 - 0.19	0.50
Total cyanide	ug/L				ND	ND	DNQ Est. Conc. 1.16	SM 4500 CN E	5	1.00	5.00
Total PCB as Aroclors	ug/L				ND	ND	ND	EPA 608			
Total PCB as Congeners	pg/L				519 (1)	519 (1)	519 (1)	EPA 1668			
Total suspended solids	mg/L	461	432	417	351	399	461	SM 2540D		2.5	100
Total trihalomethanes	ug/L				3.6	5.3	6.9	EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.25 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L				99.3	111	122	EPA 200.8	1	0.60	1.00

(1) Blank contamination was observed for the analysis of these PCB congeners.

Valencia WRP Biosolids Monitoring

Sewage Sludge (Biosolids) Annual Report

EPA Regulations – 503.18, 503.28, 503.48

INSTRUCTIONS

EPA's sewage sludge regulations (40 CFR part 503) require certain POTWs and Class I sewage sludge management facilities to submit to an annual biosolids report. POTWs that must submit an annual report include POTWs with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve 10,000 people or more. This is the biosolids annual report form for POTWs and Class I sewage sludge management facilities in the 42 states and all tribes and territories where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge' also refers to the material that is commonly referred to as 'biosolids.' EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Please note that questions with a (*) are required. Please also note that EPA may contact you after you submit this report for more information regarding your sewage sludge program.

Questions regarding this form should be directed to the NPDES Electronic Reporting Helpdesk at:

- NPDESeReporting@epa.gov OR
- 1-877-227-8965

What action would you like to take? *

New Biosolids Program Report

1. Program Information

Please select the NPDES ID number below for this Sewage Sludge (Biosolids) Annual Report. *

CAL054216: LACSD - VALENCIA WRP

IMPORTANT - If you do not see the NPDES ID associated with your facility (i.e., you only see a blue bar in the above drop down list), you MUST follow the instructions in the "Biosolids User's Guide." A shorter set of instructions to fix this issue are in the "Important Instructions on Accessing Your NPDES ID" document. Both documents are located at: https://epanet.zendesk.com/hc/en-us/sections/207108787-General-Biosolids.

Facility Name: LACSD - VALENCIA WRP

Street: P.O. Box 4998

City: WHITTIER

State: CA

Zip Code: 90607-4998

1.1 Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR 503. The facility is: *

- [x] a POTW with a design flow rate equal to or greater than one million gallons per day
- [x] a POTW that serves 10,000 people or more
- [x] a Class I Sludge Management Facility as defined in 40 CFR 503.9
- [ ] otherwise required to report (e.g., permit condition, enforcement action)
- [ ] none of the above

1.2 Reporting Period Start and End Dates

Start Date of Reporting Period *	End Date of Reporting Period *
01-01-2017	12-31-2017

2. Facility Information

2.1 Biosolids or Sewage Sludge Treatment Processes

Please check the box next to the following biosolids or sewage sludge treatment processes that you used on the sewage sludge or biosolids generated or produced at your facility during the reporting period (check one or more that apply). *

Pathogen Reduction Operations (see Appendix B to Part 503)

Processes to Significantly Reduce Pathogens (PSRP)

- ☐ Aerobic Digestion
- ☐ Air Drying (or "sludge drying beds")
- ☒ Anaerobic Digestion
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization

Processes to Further Reduce Pathogens (PFRP)

- ☐ Higher Temperature Composting
- ☐ Heat Drying (e.g., flash dryer, spray dryer, rotary dryer)
- ☐ Heat Treatment (Liquid sewage sludge is heated to temp. of 356°F (or 180°C) or higher for 30 min.)
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization

Physical Treatment Operations

- ☒ Preliminary Operations (e.g., sludge grinding, degritting, blending)
- ☒ Thickening (e.g., gravity and/or flotation thickening, centrifugation, belt filter press, vacuum filter)
- ☐ Sludge Lagoon

Other Processes to Manage Sewage Sludge

- ☐ Temporary Sludge Storage (sewage sludge stored on land 2 years or less, not in sewage sludge unit)
- ☐ Long-term Sludge Storage (sewage sludge stored on land 2 years or more, not in sewage sludge unit)
- ☒ Methane or Biogas Capture and Recovery
- ☐ Other Treatment Process:

2.2 Biosolids or Sewage Sludge Analytical Methods

EPA regulations specify that representative samples of sewage sludge that is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator must be collected and analyzed. These regulations also specify the analytical methods that must be used to analyze samples of sewage sludge. For example, EPA requires facilities to monitor for the certain parameters, which are listed in Tables 1, 2, 3, and 4 at 40 CFR 503.13 and Tables 1 and 2 40 CFR 503.23. See also 40 CFR 503.8.

Please check the box next to the following analytic methods used on the sewage sludge or biosolids generated or produced by you or your facility during the reporting period (check one or more that apply). *

Parameter	Method Number or Author	Description Text for Certification Section
Pathogens		
Ascaris ova.	☐ Sludge Monitoring - Ascaris ova. ☐ Other Ascaris ova. Analytical Method:	Sludge Monitoring - Ascaris ova., "Test Method for Detecting, Enumerating, and Determining the Viability Ascaris in Sludge (Appendix I)," Control of Pathogens and Vector Attraction in Sewage Sludge", EPA-625-R-92-013, July 2003

Parameter	Method Number or Author	Description Text for Certification Section
Enteric viruses	☐ ASTM Method D4994 - Enteric Viruses	ASTM Method D4994 - Enteric Viruses, "Standard Practice for Recovery of Viruses From Wastewater Sludges," ASTM International
	☐ Other Enteric Viruses Analytical Method:	
Fecal coliform	☐ Standard Method 9222 - Fecal Coliform	Standard Method 9222 - Fecal Coliform, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association [Note: This method is only allowable for Class B sewage sludge]
	☐ Standard Method 9221 - Fecal Coliform	Standard Method 9221 - Fecal Coliform, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ EPA Method 1680 - Fecal Coliform	EPA Method 1680 - Fecal Coliform, "Fecal Coliforms in Sewage Sludge by Multiple-Tube Fermentation using Lauryl Tryptose Broth and EC Medium," EPA-821-R-10-003, April 2010
	☐ EPA Method 1681 - Fecal Coliform	EPA Method 1681 - Fecal Coliform, Fecal Coliforms in Sewage Sludge (Biosolids) by MultipleTube Fermentation using A-1 medium, EPA-821-R-04-027, June 2005
	☐ Other Fecal Coliform Analytical Method:	
Helminth ova.	☐ W.A. Yanko Method - Helminth ova.	W.A. Yanko Method - Helminth Ova., "Occurrence of Pathogens in Distribution and Marketing Municipal Sludges," EPA-600-1-87-014, 1987
	☐ Other Helminth ova. Analytical Method:	
Salmonella sp. Bacteria	☐ Standard Method 9260 - Salmonella	Standard Method 9260 - Salmonella, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ EPA Method 1682 - Salmonella	EPA Method 1682, "Salmonella in Sewage Sludge (Biosolids) by Modified Semisolid Rappaport-Vassiliadis (MSRV) Medium," EPA-821-R-06-014, July 2006
	☐ Kenner and Clark Method - Salmonella	Kenner and Clark Method - Salmonella, “Detection and Enumeration of Salmonella and Pseudomonas aeruginosa,” J. Water Pollution Control Federation, 46(9):2163-2171, 1974
	☐ Other Salmonella sp. Bacteria Analytical Method:	
Total Culturable Viruses	☐ Class A Sludge Monitoring - Total Culturable Viruses	EPA Class A Sludge Monitoring - Total Culturable Viruses, "Method for the Recovery and Assay of Total Culturable Viruses from Sludge (Appendix H)," Control of Pathogens and Vector Attraction in Sewage Sludge, EPA-625-R-92-013, July 2003
	☐ Other Total Culturable Viruses Analytical Method:	
Metals		
Arsenic	☐ EPA Method 6010 - Arsenic (ICP-OES)	EPA Method 6010 - Arsenic (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Arsenic (ICP-MS)	EPA Method 6020 - Arsenic (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Arsenic (GF-AAS)	EPA Method 7010 - Arsenic (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7061 - Arsenic (AA-GH)	EPA Method 7061 - Arsenic (Atomic Absorption - Gaseous Hydride), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Arsenic Analytical Method:	
Beryllium	☐ EPA Method 6010 - Beryllium (ICP-OES)	EPA Method 6010 - Beryllium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Beryllium (ICP-MS)	EPA Method 6020 - Beryllium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Beryllium (FAAS)	EPA Method 7000 - Beryllium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Beryllium (GF-AAS)	EPA Method 7010 - Beryllium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Beryllium Analytical Method	

Parameter	Method Number or Author	Description Text for Certification Section
Cadmium	☐ EPA Method 6010 - Cadmium (ICP-OES)	EPA Method 6010 - Cadmium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Cadmium (ICP-MS)	EPA Method 6020 - Cadmium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Cadmium (FAAS)	EPA Method 7000 - Cadmium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Cadmium (GF-AAS)	EPA Method 7010 - Cadmium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7131 - Cadmium (GF-AAS)	EPA Method 7131 - Cadmium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Cadmium Analytical Method:	
Chromium	☐ EPA Method 6010 - Chromium (ICP-OES)	EPA Method 6010 - Chromium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Chromium (ICP-MS)	EPA Method 6020 - Chromium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Chromium (FAAS)	EPA Method 7000 - Chromium (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Chromium (GF-AAS)	EPA Method 7010 - Chromium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7191 - Chromium (AA-FT)	EPA Method 7191 - Chromium (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Chromium Analytical Method:	
Copper	☐ EPA Method 6010 - Copper (ICP-OES)	EPA Method 6010 - Copper (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Copper (ICP-MS)	EPA Method 6020 - Copper (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Copper (FAAS)	EPA Method 7000 - Copper (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Copper (GF-AAS)	EPA Method 7010 - Copper (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Copper Analytical Method:	
Lead	☐ EPA Method 6010 - Lead (ICP-OES)	EPA Method 6010 - Lead (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Lead (ICP-MS)	EPA Method 6020 - Lead (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Lead (FAAS)	EPA Method 7000 - Lead (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Lead (GF-AAS)	EPA Method 7010 - Lead (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7421 - Lead (AA-FT)	EPA Method 7421 - Lead (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Lead Analytical Method:	
Mercury	☒ EPA Method 7471 - Mercury (CVAA)	EPA Method 7471 - Mercury in Solid or Semi-Solid Waste (Cold Vapor Atomic Absoprtion), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Mercury Analytical Method:	

Parameter	Method Number or Author	Description Text for Certification Section
Molybdenum	☐ EPA Method 6010 - Molybdenum (ICP-OES)	EPA Method 6010 - Molybdenum (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Molybdenum (ICP-MS)	EPA Method 6020 - Molybdenum (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Molybdenum (FAAS)	EPA Method 7000 - Molybdenum (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Molybdenum (GF-AAS)	EPA Method 7010 - Molybdenum (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7481 - Molybdenum (AA-FT)	EPA Method 7481 - Molybdenum (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Molybdenum Analytical Method:	
Nickel	☐ EPA Method 6010 - Nickel (ICP-OES)	EPA Method 6010 - Nickel (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Nickel (ICP-MS)	EPA Method 6020 - Nickel (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Nickel (FAAS)	EPA Method 7000 - Nickel (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Nickel (GF-AAS)	EPA Method 7010 - Nickel (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Nickel Analytical Method:	
Selenium	☐ EPA Method 6010 - Selenium (ICP-OES)	EPA Method 6010 - Selenium (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Selenium (ICP-MS)	EPA Method 6020 - Selenium (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Selenium (GF-AAS)	EPA Method 7010 - Selenium (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7740 - Selenium (AA-FT)	EPA Method 7741A - Selenium (Atomic Absorption - Furnace Technique), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7741 - Selenium (AA-GH)	EPA Method 7741 - Selenium (Atomic Absorption - Gaseous Hydride), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Selenium Analytical Method:	
Zinc	☐ EPA Method 6010 - Zinc (ICP-OES)	EPA Method 6010 - Zinc (Inductively Coupled Plasma - Optical Emission Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 6020 - Zinc (ICP-MS)	EPA Method 6020 - Zinc (Inductively Coupled Plasma - Mass Spectrometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7000 - Zinc (FAAS)	EPA Method 7000 - Zinc (Flame Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 7010 - Zinc (GF-AAS)	EPA Method 7010 - Zinc (Graphite Furnace Atomic Absorption Spectrophotometry), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Zinc Analytical Method:	

Nitrogen Compounds

Ammonia Nitrogen	☐ EPA Method 350.1 - Ammonia Nitrogen	EPA Method 350.1 - Ammonia Nitrogen, "Determination of Ammonia Nitrogen by Semi-Automated Colorimetry," August 1993
	☒ Standard Method 4500-NH3 - Ammonia Nitrogen	Standard Method 4500-NH3 - Ammonia Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Ammonia Nitrogen Analytical Method	

Parameter	Method Number or Author	Description Text for Certification Section
Nitrate Nitrogen	☐ EPA Method 9056 - Nitrate Nitrogen (IC)	EPA Method 9056 - Nitrate Nitrogen (Ion Chromatography), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ EPA Method 9210 - Nitrate Nitrogen (ISE)	EPA Method 9210 - Nitrate Nitrogen (Ion-Selective Electrode), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ Other Nitrate Nitrogen Analytical Method:	SM 4500 NO3
Nitrogen	☐ Standard Method 4500-N - Nitrogen	Standard Method 4500-N - Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☒ Other Nitrogen Analytical Method:	Total Nitrogen Calculation
Organic Nitrogen	☒ Standard Method 4500-Norg - Organic Nitrogen	Standard Method 4500-Norg - Organic Nitrogen, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Organic Nitrogen Analytical Method:	
Total Kjeldahl Nitrogen	☐ EPA Method 351.2 - Total Kjeldahl Nitrogen	EPA Method 351.2 - Total Kjeldahl Nitrogen, "Determination of Total Kjeldahl Nitrogen by Semi-Automated Colorimetry," August 1993
	☐ Other Total Kjeldahl Nitrogen Analytical Method:	
Other Analytes		
Fixed Solids	☐ Standard Method 2540 - Fixed Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Fixed Solids Analytical Method:	
Paint Filter Test	☐ EPA Method 9095 - Paint Filter Liquids Test	EPA Method 9095 - Paint Filter Liquids Test, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other Paint Filter Test Analytical Method:	
pH	☐ EPA Method 9040 - pH (≤ 7% solids)	EPA Method 9040 - pH (≤ 7% solids), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☒ EPA Method 9045 - pH (> 7% solids)	EPA Method 9045 - pH (> 7% solids), "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other pH Analytical Method:	
Specific Oxygen Uptake Rate	☐ Standard Method 2710 - SOUR	Standard Method 2710 - Specific Oxygen Uptake Rate, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Specific Oxygen Uptake Rate Analytical Method:	
TCLP	☐ EPA Method 1311 - Toxicity Characteristic Leaching Procedure	EPA Method 1311 - Toxicity Characteristic Leaching Procedure, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Pub. SW-846
	☐ Other TCLP Analytical Method:	

Parameter	Method Number or Author	Description Text for Certification Section
Temperature	☐ Standard Method 2550 - Temperature	Standard Method 2550 - Temperature, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Temperature Analytical Method:	
Total Solids	☒ Standard Method 2540 - Total Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Total Solids Analytical Method:	
Volatile Solids	☐ Standard Method 2540 - Volatile Solids	Standard Method 2540 - Total, fixed, and volatile solids, "Standard Methods for the Examination of Water and Wastewater," American Public Health Association
	☐ Other Volatile Solids Analytical Method:	
No Analytical Methods	☐ No Analytical Methods Used	

2.3 What is the estimated total volume of biosolids or sewage sludge produced at your facility for the reporting period (in dry metric tons)? *

4724

3. Biosolids or Sewage Sludge Management

EPA NPDES regulations at 40 CFR 503 only require reporting for land application, surface disposal, or incineration. You have the option to select "Other Management Practice" if you wish to provide more information on how you manage your sewage sludge or biosolids.

Please use the selections below to identify how sewage sludge or biosolids generated or produced at your facility was managed, used, or disposed by you or your facility for the reporting period. You can use the button below to add as many Sewage Sludge Unique Identifier (SSUID) sections as needed to describe how you manage your sewage sludge.

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 001

Management Practice Type *	Handler, Preparer, or Applier Type *	Management Practice Detail *
Land Application	Off-Site Third-Party Handler or Applier	Distribution and Marketing - Compost

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ. “Off-Site Third-Party Handler or Applier” refers to third parties which do not change the quality of the Biosolids. “Off-Site Third-Party Preparer” refers to a third party which changes the quality of the Biosolids.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	4724

Pollutant Concentrations:

Did the facility land apply bulk sewage sludge when one or more pollutant concentrations in the sewage sludge exceeded a monthly average pollutant concentration in Table 3 of 40 CFR 503.13? *

◯ Yes ◉ No ◯ Unknown

Name of Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler, Preparer, or Applier for this Sewage Sludge Unique Identifier.You may optionally look up a NPDES ID to auto-populate this information. If fields remain blank after clicking the Lookup button, then no data exists and you must enter the information.

Off-Site Third-Party Handler, Preparer, or Applier Information

NPDES ID (if known)

CAL000243

Facility/Company Name *

Liberty Composting

Address *

P.O. Box 5

City *

Lost Hills

State *

California

Zip Code *

93249

Off-Site Third-Party Handler, Preparer, or Applier Contact Information

First Name *

Patrick

Last Name *

McCarthy

Title *

General Manager

Phone (10-digits, No dashes) *

6617972914

Ext.

E-Mail Address

patrickmccarthy@libertyrecyc.com

Biosolids or Sewage Sludge Pathogen Reduction Options

Please use the selections below to identify the pathogen reduction options used by your facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

	Code	Pathogen Reduction Option Class A (must also demonstrate that meet fecal coliform or salmonella limits)
☐	B1	Class B-Alternative 1: Fecal Coliform Geometric Mean
☐	B21	Class B-Alternative 2 PSRP 1: Aerobic Digestion
☐	B22	Class B-Alternative 2 PSRP 2: Air Drying
☒	B23	Class B-Alternative 2 PSRP 3: Anaerobic Digestion
☐	B24	Class B-Alternative 2 PSRP 4: Composting
☐	B25	Class B-Alternative 2 PSRP 5: Lime Stabilization
☐	B3	Class B-Alternative 3: PSRP Equivalency
☐	pH	pH Adjustment (Domestic Septage)

Biosolids or Sewage Sludge Vector Attraction Reduction Options

Please use the selections below to identify the vector attraction reduction options used by your facility or another person/facility for this sewage sludge unique identifier for the reporting period (check one or more that apply).

Vector Attraction Reduction Options

- [x] VR1 Option 1-Volatile Solids Reduction
- [ ] VR2 Option 2-Bench-Scale Volatile Solids Reduction (Anaerobic Bench Test)
- [ ] VR3 Option 3-Bench-Scale Volatile Solids Reduction (Aerobic Bench Test with Percent Solids of Two Percent or Less)
- [ ] VR4 Option 4-Specific Oxygen Uptake Rate
- [ ] VR5 Option 5-Aerobic Processing (Thermophilic Aerobic Digestion/Composting)
- [ ] VR6 Option 6-Alkaline Treatment
- [ ] VR7 Option 7-Drying (Equal to or Greater than 75 Percent)
- [ ] VR8 Option 8-Drying (Equal to or Greater than 90 Percent)
- [ ] VR9 Option 9-Sewage Sludge Injection
- [ ] VR10 Option 10-Sewage Sludge Timely Incorporation into Land
- [ ] VR11 Option 11-Sewage sludge Covered at the End of Each Operating Day

Noncompliance Reporting

Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge program requirements (see 40 CFR 503) for this facility during the reporting period. EPA notes that any person who prepares sewage sludge (i.e., person who generates sewage sludge or a person who derives a material from sewage sludge) shall ensure that the applicable requirements in EPA's biosolids regulations (40 CFR 503) are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator (see 40 CFR 503.7).

Land Application

- [ ] Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13).
- [ ] Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 CFR 503.8).
- [ ] Facility had deficiencies with pathogen reduction (see 40 CFR 503.32).
- [ ] Facility had deficiencies with vector attraction reduction (see 40 CFR 503.33).
- [ ] Land application of bulk sewage sludge likely to adversely affected a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat (see 40 CFR 503.14(a)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site that was flooded, frozen, or snow-covered such that the bulk sewage sludge entered a wetland or other waters of the United States, as defined in 40 CFR 122.2, except as provided in a permit issued pursuant to Section 402 or 404 of the CWA (see 40 CFR 503.14(b)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, or a reclamation site was 10 meters or less from waters of the United States, as defined in 40 CFR 122.2, unless otherwise specified by the permitting authority (see 40 CFR 503.14(c)).
- [ ] Bulk sewage sludge was applied to agricultural land, forest, a public contact site, or a reclamation site at a whole sludge application rate that was greater than the agronomic rate for the bulk sewage sludge, unless, in the case of a reclamation site, otherwise specified by the permitting authority (see 40 CFR 503.14(d)).

☐ One or more label or information sheet requirements were not met for sewage sludge that was sold or given away for land application (see 40 CFR 503.14(e)).

☐ Bulk sewage sludge was applied to land where the cumulative pollutant loading rates in §503.13(b)(2) have been reached.

☐ The required notice and information was not provided to the land application applier (see 40 CFR 503.12(f) and (g)).

☐ The required notice and information was not provided to the owner or lease holder of the land on which bulk sewage sludge was applied (see 40 CFR 503.12(h)).

☐ The required notice was not provided to the permitting authority for the State in which bulk sewage sludge was applied if the bulk sewage sludge was applied to land in a State other than the State in which the bulk sewage sludge was prepared (see 40 CFR 503.12(i) and (j)).

☐ The facility failed to keep the necessary records for preparers and appliers during the reporting period (see 40 CFR 503.27).

When sewage sludge that meets Class B pathogen reduction requirements, but not Class A, is applied to the land, additional site restrictions must be met. Please use the check boxes below to indicate any noncompliance with EPA's Federal sewage sludge Class B pathogen reduction requirements (see 40 CFR 503.32) for this facility during the reporting period.

☐ Food crops with harvested parts that touched the sewage sludge/soil mixture (such as melons, cucumbers, squash, etc.) were harvested within 14 months after application of sewage sludge (see 40 CFR 503.32(b)(5)(i)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 20 months after application of sewage sludge and the sewage sludge remained on the land surface for four months or longer prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(ii)).

☐ Food crops with harvested parts below the soil surface (root crops such as potatoes, carrots, radishes) were harvested within 38 months after application of the sewage sludge and the sewage sludge remained on the land surface for less than four months prior to incorporation into the soil (see 40 CFR 503.32(b)(5)(iii)).

☐ Food crops, feed crops, and fiber crops were harvested within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(iv)).

☐ Animals were grazed on a site within 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(v)).

☐ Turf was harvested within 1 year after application of sewage sludge if the turf was placed on land with a high potential for public exposures or a lawn, unless otherwise specified by the permitting authority (see 40 CFR 503.32(b)(5)(vi)).

☐ Public access to land with high potential for public exposure was not restricted for 1 year after application of sewage sludge (see 40 CFR 503.32(b)(5)(vii)).

☐ Public access to land with a low potential for public exposure was not restricted for 30 days after application of sewage sludge (see 40 CFR 503.32(b)(5)(viii)).

☒ **Please select this checkbox to continue completing the form.**
If you wish to change the SSUID section(s) above, uncheck this box. *

Biosolids Monitoring Data

INSTRUCTIONS: These monitoring data should be representative of the sewage sludge that was applied to land or placed on a surface disposal site during the reporting year see 40 CFR 503.8(a). This section uses the frequency of monitoring requirements in 40 CFR 503.16 and 503.26. The following codes can be used as data qualifiers: T = Too Numerous to Count, E = Estimated, N = No Data.

Land Application Monthly Sample Table

Sample	Sample Period Start Date	Sample Period End Date
Sample 1 Time Period	01-01-2017	02-28-2017
Sample 2 Time Period	03-01-2017	04-30-2017
Sample 3 Time Period	05-01-2017	06-30-2017
Sample 4 Time Period	07-01-2017	08-31-2017
Sample 5 Time Period	09-01-2017	10-31-2017
Sample 6 Time Period	11-01-2017	12-31-2017

Maximum Pollutant Concentration Data for All Sewage Sludge Applied to Land *

This section summarizes the maximum pollutant concentrations in sewage sludge that was applied to land during the reporting year. In accordance with 40 CFR 503.13(a), EPA's sewage sludge regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13). In order to identify noncompliance, EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13.

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Arsenic	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 7.0	= 5.1	= 5.7	= 6.1	= 5.9	= 4.8

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Cadmium	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.7	= 1.5	= 1.6	= 2.0	= 1.7	= 1.6

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Copper	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1020	= 801	= 781	= 875	= 953	= 954

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Lead	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 10.3	= 9.79	= 10.2	= 10.8	= 11.3	= 9.54

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Mercury	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.09	= 1.04	= 0.72	= 0.64	= 0.75	= 1.31

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Molybdenum	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 12.5	= 9.7	= 12.7	= 14.4	= 12.2	= 11.6

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Nickel	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 22.5	= 20.9	= 25.6	= 23.7	= 23.5	= 19.7

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Selenium	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 6.3	= 5.3	= 4.9	= 5.7	= 5.8	= 5.2

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Zinc	Maximum	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 821	= 690	= 839	= 914	= 882	= 797

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Total Nitrogen (TKN plus Nitrate-Nitrite)	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 65111	= 69337	= 73768	= 70020	= 65064	= 67112

Monthly Average Pollutant Concentration Data for All Sewage Sludge Applied to Land *

This section summarizes the monitoring-period average pollutant concentrations in sewage sludge that was applied to land during the reporting year.

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Arsenic	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 6.0	= 5.0	= 5.4	= 5.8	= 5.4	= 4.7

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Cadmium	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 1.5	= 1.5	= 1.6	= 1.8	= 1.7	= 1.5

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Copper	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 864	= 766	= 775	= 774	= 854	= 899

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Lead	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 10.05	= 9.47	= 9.51	= 10.29	= 10.14	= 9.30

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Mercury	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 0.75	= 1.00	= 0.67	= 0.58	= 0.68	= 1.00

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Nickel	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 21.2	= 20.0	= 22.2	= 22.8	= 21.1	= 19.7

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Selenium	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 5.2	= 5.0	= 4.9	= 5.4	= 5.3	= 5.1

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Zinc	Average	mg/kg	COMPOS

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 714	= 690	= 782	= 838	= 828	= 783

Vector Attraction Reduction - Volatile Solids Options (Options 1-3) *

Biosolids or Sewage Sludge Monitored Parameter	Measurement Type	Unit of Measure (Dry Weight)	Sample Type
Solids, total volatile percent removal	Minimum	Percent	CALCTD

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
= 54	= 62	= 59	= 55	= 59	= 57

Additional Information

Please enter any additional information in the comment box below (limit to 3,900 characters) that you would like to provide.

1. Section 2.2, Analysis: Temperature of anaerobic digester is continuously monitored via thermocouple.
2. Data entered for Maximum Pollutant Loading and Monthly Average Pollutant Concentrations are determined prior to biosolids leaving the wastewater treatment plant.
3. Reported biosolids tonnages are based on those leaving the wastewater treatment plant and may differ from those reported by Third-Party Handlers/Appliers.
4. Total Nitrogen (mg/kg, average) was calculated by adding NH3-N, Org-N, NO3-N, and NO2-N. When a parameter was non-detect, half of the threshold value was utilized in the summation.

Additional Attachments (maximum size 25 MB)

Certification Information

I certify, under penalty of law, that the information in this report was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Certifier E-Mail *	Form Action *
aheil@lacsd.org	Approve

Whittier Narrows WRP Influent Monitoring

Whittier Narrows Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND						ND		
1,1-Dichloroethylene	ug/L		ND						ND		
1,1,1-Trichloroethane	ug/L		ND						ND		
1,1,2-Trichloroethane	ug/L		ND						ND		
1,1,2,2-Tetrachloroethane	ug/L		ND						ND		
1,2-Dichlorobenzene	ug/L		ND						ND		
1,2-Dichloroethane	ug/L		ND						ND		
1,2-Dichloropropane	ug/L		ND						ND		
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2-trans-Dichloroethylene	ug/L		ND						ND		
1,2,4-Trichlorobenzene	ug/L		ND						ND		
1,3-Dichlorobenzene	ug/L		ND						ND		
1,3-Dichloropropene	ug/L		ND						ND		
1,4-Dichlorobenzene	ug/L		ND						ND		
2-Chloroethylvinyl ether	ug/L		ND						ND		
2-Chloronaphthalene	ug/L		ND						ND		
2-Chlorophenol	ug/L		ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND		
2-Nitrophenol	ug/L		ND						ND		
2,3,7,8-TCDD	pg/L		ND						ND		
2,4-Dichlorophenol	ug/L		ND						ND		
2,4-Dimethylphenol	ug/L		ND						ND		
2,4-Dinitrophenol	ug/L		ND						ND		
2,4-Dinitrotoluene	ug/L		ND						ND		
2,4,6-Trichlorophenol	ug/L		ND						ND		
2,6-Dinitrotoluene	ug/L		ND						ND		
3-Methyl-4-chlorophenol	ug/L		ND						ND		
3,3'-Dichlorobenzidine	ug/L		ND						ND		
4-Bromophenyl phenyl ether	ug/L		ND						ND		
4-Chlorophenyl phenyl ether	ug/L		ND						ND		
4-Nitrophenol	ug/L		ND						ND		
4,4-DDD	ug/L		ND						ND		
4,4-DDE	ug/L		DNQ Est. Conc. 0.004						ND		
4,4-DDT	ug/L		ND						ND		
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		
Acrylonitrile	ug/L		ND						ND		
Aldrin	ug/L		ND						ND		
alpha-BHC	ug/L		DNQ Est. Conc. 0.004						ND		
alpha-Endosulfan	ug/L		ND						ND		
Anthracene	ug/L		ND						ND		
Antimony	ug/L		0.58						0.55		
Aroclor 1016	ug/L		ND						ND		
Aroclor 1221	ug/L		ND						ND		
Aroclor 1232	ug/L		ND						ND		
Aroclor 1242	ug/L		ND						ND		
Aroclor 1248	ug/L		ND						ND		
Aroclor 1254	ug/L		ND						ND		
Aroclor 1260	ug/L		ND						ND		
Arsenic	ug/L		1.98						1.62		
Benzene	ug/L		ND						ND		
Benzidine	ug/L		ND						ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND						ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND						ND		

Whittier Narrows Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethylene	ug/L			ND	ND	ND	EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
1,2-trans-Dichloroethylene	ug/L			ND	ND	ND	EPA 624	1	0.16 - 0.45	0.50
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.17	50.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.16 - 0.18	0.50
2-Chloroethylvinyl ether	ug/L			ND	ND	ND	EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.16	100
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.15	50.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	1.3	50.0
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.20	100
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.29 - 0.56	11
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.15	50.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.11	20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	1.7	50.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.20	50.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.12	100
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.22	50.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	1.2	50.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.21	50.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.17	50.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.4	100
4,4-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4-DDE	ug/L			ND	ND	DNQ Est. Conc. 0.004	EPA 608	0.05	0.002	0.01
4,4-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.15	10.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.14	100
Acrolein	ug/L			ND	ND	ND	EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L			ND	ND	DNQ Est. Conc. 0.004	EPA 608	0.01	0.001	0.01
alpha-Endosulfan	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.01
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L			0.55	0.57	0.58	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L			1.62	1.80	1.98	EPA 200.8	2	0.14	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.15	100
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.13	100
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.23	100
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.030	0.25

Whittier Narrows Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
beta-BHC	ug/L		ND						ND		
beta-endosulfan	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 17.5						DNQ Est. Conc. 8.4		
BOD	mg/L	284	286	265	284	330	292	302	279	263	300
Bromodichloromethane	ug/L		0.54						ND		
Bromoform	ug/L		DNQ Est. Conc. 0.34						ND		
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		0.20			0.39			DNQ Est. Conc. 0.17		
Carbon tetrachloride	ug/L		ND						ND		
Chlorobenzene	ug/L		ND						ND		
Chloroethane	ug/L		ND						ND		
Chloroform	ug/L		8.4						4.7		
Chromium VI	ug/L		0.14						ND		
Chromium, total	ug/L		8.51						7.46		
Chrysene	ug/L		ND						ND		
Copper	ug/L		98.0			77.1			62.4		
Cyanide, total	ug/L		DNQ Est. Conc. 1.8						DNQ Est. Conc. 1.0		
delta-BHC	ug/L		ND						ND		
Di-n-butyl phthalate	ug/L		ND						ND		
Di-n-octyl phthalate	ug/L		ND						ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dibromochloromethane	ug/L		0.71						ND		
Dieldrin	ug/L		ND						ND		
Diethyl phthalate	ug/L		DNQ Est. Conc. 4.6						DNQ Est. Conc. 4.0		
Dimethyl phthalate	ug/L		ND						ND		
Endosulfan sulfate	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Endrin	ug/L		ND						ND		
Ethylbenzene	ug/L		DNQ Est. Conc. 0.28						ND		
Fluoranthene	ug/L		ND						ND		
Fluorene	ug/L		ND						ND		
gamma-BHC	ug/L		DNQ Est. Conc. 0.006						ND		
Heptachlor epoxide	ug/L		ND						ND		
Heptachlor	ug/L		ND						ND		
Hexachlorobenzene	ug/L		ND						ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND						ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Isophorone	ug/L		ND						ND		
Lead	ug/L		1.87			2.48			1.26		
Mercury	ug/L		0.06			0.19			0.08		
Methyl bromide (bromomethane)	ug/L		ND						ND		
Methyl chloride (chloromethane)	ug/L		ND						ND		
Methylene chloride	ug/L		0.62						DNQ Est. Conc. 0.47		
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND		
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		31.2						45.4		
Nitrobenzene	ug/L		ND						ND		
PCB-129/138/163	pg/L								DNQ Est. Conc. 160		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 190 (1)		
PCB-90/101/113	pg/L								DNQ Est. Conc. 210 (1)		
PCB-105	pg/L								68		
PCB-114	pg/L								DNQ Est. Conc. 4.0		

Whittier Narrows Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.003	0.005 - 0.02
beta-endosulfan	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.13	50.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.16	20.0
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 8.4	ND	DNQ Est. Conc. 17.5	EPA 625	5	0.25	20.0
BOD	mg/L	308	298	263	291	330	SM 5210B		0.6	100 - 120
Bromodichloromethane	ug/L			ND	0.27	0.54	EPA 624	2	0.14 - 0.17	0.50
Bromoform	ug/L			ND	ND	DNQ Est. Conc. 0.34	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Cadmium	ug/L	0.22		DNQ Est. Conc. 0.17	0.20	0.39	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.17 - 0.28	0.50
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.11 - 0.13	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L			4.7	6.6	8.4	EPA 624	2	0.14 - 0.18	0.50
Chromium VI	ug/L			ND	0.070	0.14	EPA 218.6 (Dissolved)		0.01 - 0.048	0.05 - 0.20
Chromium, total	ug/L			7.46	7.99	8.51	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L	77.6		62.4	78.8	98.0	EPA 200.8	0.5	0.11 - 0.16	0.50
Cyanide, total	ug/L			DNQ Est. Conc. 1.0	ND	DNQ Est. Conc. 1.8	SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.15	100
Dibromochloromethane	ug/L			ND	0.36	0.71	EPA 624	2	0.14 - 0.22	0.50
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.6	EPA 625	2	0.21	20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.19	20.0
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L			ND	ND	DNQ Est. Conc. 0.28	EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.19	10.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.18	100
gamma-BHC	ug/L			ND	ND	DNQ Est. Conc. 0.006	EPA 608	0.02	0.001	0.01
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.18	10.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.14	10.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.75	50.0
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.14	10.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.14	100
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L	1.97		1.26	1.90	2.48	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.18		0.06	0.1	0.19	EPA 245.1	0.5	0.004	0.04
Methyl bromide (bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.15 - 0.19	0.50
Methylene chloride	ug/L			DNQ Est. Conc. 0.47	0.31	0.62	EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625	5	0.12	50.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 625	5	0.14	50.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.15	10.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.18	10.0
Nickel	ug/L			31.2	38.3	45.4	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.22	10.0
PCB-129/138/163	pg/L			DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		1.9	630
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 190 (1)	ND	DNQ Est. Conc. 190 (1)	EPA 1668		3.2	840
PCB-90/101/113	pg/L			DNQ Est. Conc. 210 (1)	ND	DNQ Est. Conc. 210 (1)	EPA 1668		3.7	630
PCB-105	pg/L			68	68	68	EPA 1668		3.5	21
PCB-114	pg/L			DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.0	EPA 1668		3.4	21

Whittier Narrows Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-118	pg/L								170		
PCB-123	pg/L								DNQ Est. Conc. 5.1		
PCB-126	pg/L								ND		
PCB-158	pg/L								DNQ Est. Conc. 14		
PCB-167	pg/L								DNQ Est. Conc. 6.1		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 33		
PCB-183	pg/L								DNQ Est. Conc. 24 (1)		
PCB-187	pg/L								DNQ Est. Conc. 36		
PCB-189	pg/L								ND		
PCB-194	pg/L								DNQ Est. Conc. 18		
PCB-201	pg/L								DNQ Est. Conc. 3.3		
PCB-206	pg/L								DNQ Est. Conc. 13		
PCB-37	pg/L								ND		
PCB-52	pg/L								210 (1)		
PCB-66	pg/L								DNQ Est. Conc. 85		
PCB-77	pg/L								DNQ Est. Conc. 11		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 150		
PCB-99	pg/L								DNQ Est. Conc. 77		
PCB-110/115	pg/L								DNQ Est. Conc. 220 (1)		
PCB-128/166	pg/L								DNQ Est. Conc. 16		
PCB-135/151	pg/L								DNQ Est. Conc. 46		
PCB-147/149	pg/L								DNQ Est. Conc. 110		
PCB-153/168	pg/L								DNQ Est. Conc. 140		
PCB-156/157	pg/L								DNQ Est. Conc. 21		
PCB-18/30	pg/L								DNQ Est. Conc. 52		
PCB-180/193	pg/L								DNQ Est. Conc. 96 (1)		
PCB-20/28	pg/L								DNQ Est. Conc. 87		
PCB-44/47/65	pg/L								DNQ Est. Conc. 580 (1)		
PCB-49/69	pg/L								DNQ Est. Conc. 61 (1)		
Pentachlorophenol	ug/L		ND						ND		
Phenanthrene	ug/L		ND						ND		
Phenol	ug/L		41.0						36.7		
pH	SU	7.9	7.9	7.9	8.0	7.8	7.7	7.6	8.1	7.6	7.9
Pyrene	ug/L		ND						ND		
Selenium	ug/L		1.10						DNQ Est. Conc. 0.79		
Silver	ug/L		0.43						DNQ Est. Conc. 0.16		
Technical chlordane	ug/L		ND						ND		
Tetrachloroethylene	ug/L		DNQ Est. Conc. 0.19						ND		
Thallium	ug/L		ND						ND		
Toluene	ug/L		2.6						1.5		
total suspended solids	mg/L	340	318	265	294	440	354	341	293	283	395
Toxaphene	ug/L		ND						ND		
Trichloroethylene	ug/L		ND						ND		
Vinyl chloride	ug/L		ND						ND		
Zinc	ug/L		169			209			121		

Whittier Narrows Water Reclamation Plant
2017 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
PCB-118	pg/L			170	170	170	EPA 1668		3.3	21
PCB-123	pg/L			DNQ Est. Conc. 5.1	ND	DNQ Est. Conc. 5.1	EPA 1668		3.4	21
PCB-126	pg/L			ND	ND	ND	EPA 1668		3.5	21
PCB-158	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		1.5	210
PCB-167	pg/L			DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 6.1	EPA 1668		1.7	21
PCB-169	pg/L			ND	ND	ND	EPA 1668		1.8	21
PCB-170	pg/L			DNQ Est. Conc. 33	ND	DNQ Est. Conc. 33	EPA 1668		1.2	210
PCB-183	pg/L			DNQ Est. Conc. 24 (1)	ND	DNQ Est. Conc. 24 (1)	EPA 1668		0.92	210
PCB-187	pg/L			DNQ Est. Conc. 36	ND	DNQ Est. Conc. 36	EPA 1668		1.6	210
PCB-189	pg/L			ND	ND	ND	EPA 1668		2.9	21
PCB-194	pg/L			DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		2.5	210
PCB-201	pg/L			DNQ Est. Conc. 3.3	ND	DNQ Est. Conc. 3.3	EPA 1668		1.1	210
PCB-206	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		2.3	210
PCB-37	pg/L			ND	ND	ND	EPA 1668		35	210
PCB-52	pg/L			210 (1)	210	210 (1)	EPA 1668		1.5	210
PCB-66	pg/L			DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85	EPA 1668		3.3	210
PCB-77	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		3.5	21
PCB-81	pg/L			ND	ND	ND	EPA 1668		3.3	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		3.6	1300
PCB-99	pg/L			DNQ Est. Conc. 77	ND	DNQ Est. Conc. 77	EPA 1668		3.4	210
PCB-110/115	pg/L			DNQ Est. Conc. 220 (1)	ND	DNQ Est. Conc. 220 (1)	EPA 1668		3.2	420
PCB-128/166	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668		1.8	420
PCB-135/151	pg/L			DNQ Est. Conc. 46	ND	DNQ Est. Conc. 46	EPA 1668		2.0	420
PCB-147/149	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		2.0	420
PCB-153/168	pg/L			DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		1.6	420
PCB-156/157	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21	EPA 1668		2.7	42
PCB-18/30	pg/L			DNQ Est. Conc. 52	ND	DNQ Est. Conc. 52	EPA 1668		4.0	420
PCB-180/193	pg/L			DNQ Est. Conc. 96 (1)	ND	DNQ Est. Conc. 96 (1)	EPA 1668		0.98	420
PCB-20/28	pg/L			DNQ Est. Conc. 87	ND	DNQ Est. Conc. 87	EPA 1668		31	420
PCB-44/47/65	pg/L			DNQ Est. Conc. 580 (1)	ND	DNQ Est. Conc. 580 (1)	EPA 1668		1.4	630
PCB-49/69	pg/L			DNQ Est. Conc. 61 (1)	ND	DNQ Est. Conc. 61 (1)	EPA 1668		1.2	420
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.38	10.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Phenol	ug/L			36.7	38.9	41.0	EPA 625	1	0.14	10.0
pH	SU	7.9	7.7	7.6	7.8	8.1	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L			DNQ Est. Conc. 0.79	0.55	1.10	EPA 200.8	2	0.04	1.00
Silver	ug/L			DNQ Est. Conc. 0.16	0.22	0.43	EPA 200.8	0.25	0.02	0.20
Technical chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.03	0.05
Tetrachloroethylene	ug/L			ND	ND	DNQ Est. Conc. 0.19	EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L			1.5	2.1	2.6	EPA 624	2	0.08 - 0.19	0.50
total suspended solids	mg/L	333	256	256	326	440	SM 2540D		2.5	50.0 - 100
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.04	0.5
Trichloroethylene	ug/L			ND	ND	ND	EPA 624	2	0.25 - 0.28	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	162		121	165	209	EPA 200.8	1	0.60 - 0.66	1.00 - 2.00

(1) Compound found in the blank and sample.

Whittier Narrows WRP Effluent Monitoring

Whittier Narrows Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,2,3-Trichloropropane	ug/L		ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 2.6			ND			ND		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 2.1			ND			ND		
1,2,3,4,7,8-HexaCDD	pg/L		DNQ Est. Conc. 0.78			ND			ND		
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.93			ND			ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		DNQ Est. Conc. 1.7			ND			ND		
1,2,3,6,7,8-HexaCDD	pg/L		DNQ Est. Conc. 1.9			ND			DNQ Est. Conc. 0.84		
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.7			ND			ND		
1,2,3,7,8-PentaCDD	pg/L		DNQ Est. Conc. 0.53			ND			ND		
1,2,3,7,8-PentaCDF	pg/L		DNQ Est. Conc. 0.50			ND			ND		
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 1.6			ND			ND		
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 1.6			ND			ND		
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L		0.82						0.92		
2-Chloroethyl vinyl ether	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L		ND						ND		
2-Chlorophenol	ug/L		ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND		
2-Nitrophenol	ug/L		ND						ND		
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.1			DNQ Est. Conc. 0.55			ND		
2,3,4,7,8-PentaCDF	pg/L		DNQ Est. Conc. 0.58			ND			DNQ Est. Conc. 0.91		
2,3,7,8-TCDD	ug/L		ND			ND	ND		ND		
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 1.2			DNQ Est. Conc. 1.2			DNQ Est. Conc. 2.5		
2,4-Dichlorophenol	ug/L		ND						ND		
2,4-Dimethylphenol	ug/L		ND						ND		
2,4-Dinitrophenol	ug/L		ND						ND		
2,4-Dinitrotoluene	ug/L		ND						ND		
2,4,5-TP (Silvex)	mg/L		ND		ND		ND		ND		ND
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.29		ND		ND		ND		ND
2,4'-D	ug/L		ND		ND		ND		ND		ND
2,6-Dinitrotoluene	ug/L		ND						ND		
3-Methyl-4-chlorophenol	ug/L		ND						ND		
3,3'-Dichlorobenzidine	ug/L		ND						ND		
4-Bromophenyl phenyl ether	ug/L		ND						ND		
4-Chlorophenyl phenyl ether	ug/L		ND						ND		
4-Nitrophenol	ug/L		ND						ND		
4,4-DDD	ug/L		ND		ND		ND		ND		ND
4,4-DDE	ug/L		ND		ND		ND		ND		ND
4,4-DDT	ug/L		ND		ND		ND		ND		ND
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		
Acrylonitrile	ug/L		ND						ND		
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
alpha-Endosulfan	ug/L		ND						ND		
Ammonia nitrogen	mg/L	0.528	0.496	0.350	0.368	0.753	0.347	0.524	0.355	0.297	0.343

Whittier Narrows Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

				Monthly Average			Limit					
Parameter	Units	November	December	Minimum	Average	Maximum	Max Daily	Monthly Average	Method	ML	MDL	RDL
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.07 - 0.23	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.14	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.22	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.45	0.50
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012 - 0.024	0.0050 - 0.10
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND		ND	ND	DNQ Est. Conc. 2.6			EPA 1613B		0.21 - 0.25	51 - 53
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.18 - 0.48	51 - 53
1,2,3,4,7,8-HexaCDD	pg/L	ND		ND	ND	DNQ Est. Conc. 0.78			EPA 1613B		0.24 - 0.36	51 - 53
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.2		ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.17 - 0.49	51 - 53
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 1.7			EPA 1613B		0.23 - 0.62	51 - 53
1,2,3,6,7,8-HexaCDD	pg/L	ND		ND	ND	DNQ Est. Conc. 1.9			EPA 1613B		0.25 - 0.34	51 - 53
1,2,3,6,7,8-HexaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 1.7			EPA 1613B		0.16 - 0.42	51 - 53
1,2,3,7,8-PentaCDD	pg/L	ND		ND	ND	DNQ Est. Conc. 0.53			EPA 1613B		0.30 - 0.57	51 - 53
1,2,3,7,8-PentaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 0.50			EPA 1613B		0.21 - 0.37	51 - 53
1,2,3,7,8,9-HexaCDD	pg/L	ND		ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.20 - 0.32	51 - 53
1,2,3,7,8,9-HexaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.13 - 0.27	51 - 53
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene	ug/L		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.26	0.50
1,4-Dioxane	ug/L			0.82	0.87	0.92			SW-846 8270MOD 1,4-Dioxane		0.05	0.40
2-Chloroethyl vinyl ether	ug/L		ND	ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.28		ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.14 - 0.29	51 - 53
2,3,4,7,8-PentaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 0.91			EPA 1613B		0.24 - 0.43	51 - 53
2,3,7,8-TCDD	ug/L	ND	ND	ND	ND	ND	0.000000028	0.000000014	EPA 1613B		0.00000040 - 0.0000016	0.000010 - 0.000012
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 2.1		DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.15 - 0.31	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20	5.0
2,4,5-TP (Silvex)	mg/L		ND	ND	ND	ND			SW-846 8151A		0.00017 - 0.00020	0.00051 - 0.00059
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.29			EPA 625	10	0.12 - 0.17	10.0
2,4'-D	ug/L		0.66	ND	0.11	0.66			SW-846 8151A		0.22 - 0.25	0.51 - 0.59
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.4	10.0
4,4-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
alpha-Endosulfan	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Ammonia nitrogen	mg/L	0.338	0.282	0.282	0.415	0.753	9.0(1) 11.6(2)/10.1 (3)	3.4(1) 4.4(2)/3.9 (3)	SM 4500 NH3 G		0.020	0.100

Whittier Narrows Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Anthracene	ug/L		ND		ND	ND	ND		ND		ND
Antimony	ug/L		0.63			DNQ Est. Conc. 0.42	0.75		DNQ Est. Conc. 0.47		
Aroclor 1016	ug/L		ND		ND		ND		ND		ND
Aroclor 1221	ug/L		ND		ND		ND		ND		ND
Aroclor 1232	ug/L		ND		ND		ND		ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND		ND		ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND		ND		ND		ND
Arsenic	ug/L		1.03			DNQ Est. Conc. 0.76	DNQ Est. Conc. 0.68		1.17		
Barium	ug/L		45.8			38.3	36.0		37.0		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L		ND		ND		ND		ND		ND
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND				ND		ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	ug/L		ND			ND	ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
beta-Endosulfan	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND		DNQ Est. Conc. 0.18		ND		ND		DNQ Est. Conc. 0.31
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.23	0.28	0.26	0.29	0.27	0.28	0.29	0.27	0.25	0.25
Bromodichloromethane	ug/L		3.3		4.2		4.1		3.4		2.5
Bromoform	ug/L		DNQ Est. Conc. 0.18		DNQ Est. Conc. 0.16		ND		ND		ND
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L	DNQ Est. Conc. 0.040	ND	DNQ Est. Conc. 0.050	ND	DNQ Est. Conc. 0.040	DNQ Est. Conc. 0.049	DNQ Est. Conc. 0.035	ND	DNQ Est. Conc. 0.040	ND
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	121	116	113	102		108	116	100	104	109
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L		10.6		11.5		8.8		9.4		6.3
Chromium III	ug/L		1.22			0.89		0.96	0.90		
Chromium VI	ug/L		DNQ Est. Conc. 0.04			ND		0.05	0.085		
Chromium, total (Grab)	ug/L		1.22			0.89	0.94	0.96	0.99		
Chromium, total (24-hr composite)	ug/L		1.29			0.80	2.03		0.75		
Chrysene	ug/L		ND						ND		
Copper	ug/L	3.42	4.31	4.32	5.19	3.48	3.26	3.77	3.05	3.59	3.90
Cyanide, total	ug/L		ND			ND	ND		ND		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Di-n-butyl phthalate	ug/L		ND						ND		
Di-n-octyl phthalate	ug/L		ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L		0.63		0.94		1.0		0.69		DNQ Est. Conc. 0.48
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L		DNQ Est. Conc. 0.25						ND		
Dimethyl phthalate	ug/L		ND						ND		
Dissolved oxygen	mg/L	6.7	6.3	6.6	6.8	6.5	6.5	6.1	6.6	5.9	6.0
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Endrin	ug/L		ND		ND		ND		ND		ND
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L		ND		ND		ND		ND		ND

Whittier Narrows Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

				Monthly Average			Limit					
Parameter	Units	November	December	Minimum	Average	Maximum	Max Daily	Monthly Average	Method	ML	MDL	RDL
Anthracene	ug/L	ND	ND	ND	ND	ND			EPA 610 & EPA 625	10	0.004 - 0.18	0.020 - 10.0
Antimony	ug/L	0.63	0.81	DNQ Est. Conc. 0.42	0.47	0.81			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L	DNQ Est. Conc. 0.83	1.02	DNQ Est. Conc. 0.68	0.54	1.17			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L	57.4	18.8	18.8	38.9	57.4			EPA 200.8		0.05 - 0.08	0.50
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 525.2 & EPA 610	10	0.007 - 0.070	0.020 - 0.10
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Beryllium	ug/L	ND	ND	ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
beta-Endosulfan	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 0.31			EPA 625	5	0.17 - 0.25	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.29	0.30	0.23	0.27	0.30		1.0 (4)	EPA 200.8		0.006 - 0.008	0.020 - 0.10
Bromodichloromethane	ug/L		3.9	2.5	3.6	4.2			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L		DNQ Est. Conc. 0.23	ND	ND	DNQ Est. Conc. 0.23			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Cadmium	ug/L	DNQ Est. Conc. 0.050	DNQ Est. Conc. 0.040	ND	ND	DNQ Est. Conc. 0.050	3.5 (3)(5)	1.1 (3)(5)	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	108	105	100	109	121		180	EPA 300.0		0.030 - 0.190	8.00 - 10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.17	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.26	0.50
Chloroform	ug/L		8.6	6.3	9.2	11.5			EPA 624	2	0.09 - 0.18	0.50
Chromium III	ug/L	0.90	1.05	0.89	0.99	1.22			EPA 200.8			0.50
Chromium VI	ug/L	0.06	0.05	ND	0.04	0.085			EPA 218.6 (Dissolved)		0.0048 - 0.01	0.020 - 0.05
Chromium, total (Grab)	ug/L	0.96	1.10	0.89	1.0	1.22			EPA 200.8	0.5	0.11	0.50
Chromium, total (24-hr composite)	ug/L	0.91	1.07	0.75	1.1	2.03			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	3.57	3.49	3.05	3.78	5.19	21.7 (4)/16.8 (3)	16.8 (4)/13 (3)	EPA 200.8	0.5	0.11 - 0.16	0.50
Cyanide, total	ug/L	ND	ND	ND	ND	ND			SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.16	10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L		0.79	DNQ Est. Conc. 0.48	0.68	1.0			EPA 624	2	0.08 - 0.22	0.50
Dieldrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.25			EPA 625	2	0.21	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	6.2	6.8	5.9	6.4	6.8			HACH 10360 LDO & SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L		ND	ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0

Whittier Narrows Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Fluoride	mg/L	0.673	0.653	0.612	0.610	0.638	0.605	0.658	0.622	0.629	0.593
gamma-BHC	ug/L		DNQ Est. Conc. 0.005		DNQ Est. Conc. 0.004		ND		ND		ND
Gross alpha radioactivity	pCi/L		1.63				2.48		2.21		
Gross beta radioactivity	pCi/L		7.96				8.73		8.42		
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND				ND		ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND				ND		ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L		41.2				43.5		32.2		
Isophorone	ug/L		ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.21	0.27	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.20	0.25	0.25
Mercury	ug/L	0.0019	0.0026	0.0018	0.0024	0.0011	0.0010	0.00076	0.00081	0.0014	0.00099
Methoxychlor	ug/L		ND		ND		ND		ND		ND
Methyl bromide (bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (chloromethane)	ug/L		ND		ND		ND		ND		ND
Methyl tert-butyl ether	ug/L		ND				22.6		ND		
Methylene chloride	ug/L		DNQ Est. Conc. 0.29		ND		ND		ND		ND
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.014	0.0090	0.033	0.016	0.047	0.12	0.013	0.040	0.044	0.021
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		4.34			5.29	5.76		6.62		
Nitrate + nitrite as nitrogen	mg/L	8.28	6.97	6.66	7.48	5.28	5.67	6.85	5.99	7.02	7.05
Nitrate nitrogen	mg/L	8.06	6.86	6.64	7.46	5.20	5.59	6.70	5.92	7.00	7.02
Nitrite nitrogen	mg/L	0.216	0.113	ND	ND	0.079	0.083	0.148	0.067	ND	ND
Nitrobenzene	ug/L		ND						ND		
OctaCDD	pg/L		DNQ Est. Conc. 7.7			DNQ Est. Conc. 14			ND		
OctaCDF	pg/L		DNQ Est. Conc. 3.4			DNQ Est. Conc. 4.3			ND		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	0.712	0.810	0.720	0.642	0.597	0.843	ND	1.16	0.492	0.737
PCB-105	pg/L								DNQ Est. Conc. 2.0		
PCB-114	pg/L								ND		
PCB-118	pg/L								ND (8)		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-129/138/163	pg/L								DNQ Est. Conc. 13		
PCB-158	pg/L								DNQ Est. Conc. 1.6		
PCB-167	pg/L								ND		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 2.5		
PCB-183	pg/L								ND (8)		
PCB-187	pg/L								DNQ Est. Conc. 4.5		
PCB-189	pg/L								ND		
PCB-194	pg/L								ND		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCB-37	pg/L								DNQ Est. Conc. 2.8		
PCB-52	pg/L								DNQ Est. Conc. 15		
PCB-61/70/74/76	pg/L								ND (8)		
PCB-66	pg/L								DNQ Est. Conc. 2.3		
PCB-77	pg/L								DNQ Est. Conc. 2.8		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 12		
PCB-90/101/113	pg/L								ND (8)		
PCB-99	pg/L								ND		
PCB-110/115	pg/L								ND (8)		
PCB-128/166	pg/L								ND		

Whittier Narrows Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Fluoride	mg/L	0.690	0.668	0.593	0.638	0.690			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC	ug/L		ND	ND	ND	DNQ Est. Conc. 0.005			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		ND	ND	1.58	2.48		15	EPA 900.0		1.17 - 2.33	1.17 - 2.33
Gross beta radioactivity	pCi/L		11.5	7.96	9.15	11.5		4	EPA 900.0		0.979 - 2.25	0.979 - 2.25
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625		0.0030 - 0.18	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625		0.014 - 0.75	0.050 - 5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Iron	ug/L		41.8	32.2	39.7	43.5			EPA 200.8		3.0	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.20	0.064	0.27	166 (4)(6)/62 (3)(5)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.0014	0.0024	0.00076	0.0015	0.0026	0.095 (3)(7)	0.051 (3)(7)	EPA 1631E		0.00031	0.00050
Methoxychlor	ug/L		ND	ND	ND	ND			EPA 608		0.001	0.01
Methyl bromide (bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.34	0.50
Methyl chloride (chloromethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether	ug/L		ND	ND	5.65	22.6			EPA 624		0.08 - 0.12	0.50
Methylene chloride	ug/L		ND	ND	ND	DNQ Est. Conc. 0.29			EPA 624	2	0.09 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.12	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.030	0.011	0.0090	0.033	0.12			EPA 1625 (Modified)	5	0.00050	0.0020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L	8.81	7.32	4.34	6.36	8.81			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	6.23	5.44	5.28	6.58	8.28		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate nitrogen	mg/L	6.20	5.36	5.20	6.50	8.06		8	SM 4500 NO3 F		0.030	0.200
Nitrite nitrogen	mg/L	0.034	0.075	ND	0.068	0.216		1.0	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L	ND		ND	ND	DNQ Est. Conc. 14			EPA 1613B		0.20 - 0.56	100 - 110
OctaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 4.3			EPA 1613B		0.20 - 0.45	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.7
Organic nitrogen	mg/L	0.354	0.627	ND	0.641	1.16			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
PCB-105	pg/L			DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.0			EPA 1668		1.0	22
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.0	22
PCB-118	pg/L			ND (8)	ND	ND (8)			EPA 1668		0.99	22
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.1	22
PCB-126	pg/L			ND	ND	ND			EPA 1668		0.99	22
PCB-129/138/163	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		1.1	650
PCB-158	pg/L			DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6			EPA 1668		0.86	220
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.49	22
PCB-169	pg/L			ND	ND	ND			EPA 1668		0.49	22
PCB-170	pg/L			DNQ Est. Conc. 2.5	ND	DNQ Est. Conc. 2.5			EPA 1668		0.49	220
PCB-183	pg/L			ND (8)	ND	ND (8)			EPA 1668		0.38	220
PCB-187	pg/L			DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 4.5			EPA 1668		1.6	220
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.1	22
PCB-194	pg/L			ND	ND	ND			EPA 1668		1.6	220
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.61	220
PCB-206	pg/L			ND	ND	ND			EPA 1668		1.8	220
PCB-37	pg/L			DNQ Est. Conc. 2.8	ND	DNQ Est. Conc. 2.8			EPA 1668		0.95	220
PCB-52	pg/L			DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15			EPA 1668		0.60	220
PCB-61/70/74/76	pg/L			ND (8)	ND	ND (8)			EPA 1668		0.89	870
PCB-66	pg/L			DNQ Est. Conc. 2.3	ND	DNQ Est. Conc. 2.3			EPA 1668		0.94	220
PCB-77	pg/L			DNQ Est. Conc. 2.8	ND	DNQ Est. Conc. 2.8			EPA 1668		0.91	22
PCB-81	pg/L			ND	ND	ND			EPA 1668		0.91	22
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		1.1	1300
PCB-90/101/113	pg/L			ND (8)	ND	ND (8)			EPA 1668		1.1	650
PCB-99	pg/L			ND	ND	ND			EPA 1668		1.1	220
PCB-110/115	pg/L			ND (8)	ND	ND (8)			EPA 1668		1.0	430
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		1.0	430

Whittier Narrows Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-135/151	pg/L								DNQ Est. Conc. 9.5		
PCB-147/149	pg/L								DNQ Est. Conc. 15 (8)		
PCB-153/168	pg/L								DNQ Est. Conc. 12		
PCB-156/157	pg/L								ND		
PCB-156/157	pg/L								ND		
PCB-180/193	pg/L								ND (8)		
PCB-20/28	pg/L								DNQ Est. Conc. 7.2		
PCB-44/47/65	pg/L								DNQ Est. Conc. 50 (8)		
PCB-49/69	pg/L								DNQ Est. Conc. 2.7		
PCBs as Congeners Sum	ug/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.19	0.13	0.17	0.19	0.17	0.34	0.57	0.61	0.73	0.73
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		DNQ Est. Conc. 0.20		DNQ Est. Conc. 0.16		DNQ Est. Conc. 0.37		ND		DNQ Est. Conc. 0.28
pH	SU	7.2	7.2	7.1	7.2	7.3	7.3	7.3	7.3	7.3	7.3
Polychlorinated Biphenols (PCBs)	pg/L		ND		ND		ND		ND		ND
Potassium	mg/L		15.9		16.0		15.8		15.5	14.9	15.4
Pyrene	ug/L		ND						ND		
Selenium	ug/L		DNQ Est. Conc. 0.57			DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.35		DNQ Est. Conc. 0.29		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND			ND	ND		ND		
Strontium-90	pCi/L		0.966				0.050		ND		
Sulfate	mg/L	119	97.6	101	94.5		105	109	102	102	113
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Technical chlordane	ug/L		ND				ND		ND		
Temperature	Degrees F	72.1	73.1	74.8	77.5	79.2	81.5	84.5	85.5	84.7	82.4
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND			ND	ND		ND		
Toluene	ug/L		ND		DNQ Est. Conc. 0.31		ND		DNQ Est. Conc. 0.14		ND
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	638	603	570	516	562	558	563	562	592	592
Total hardness	mg/L	217	209	276	146	167	187	184	186	194	213
Total nitrogen	mg/L	9.52	8.28	7.73	9.22	6.63	6.86	6.85	7.50	7.81	8.13
Total phosphorus	mg/L	0.116	0.142	0.136	0.118	0.096	0.154	0.144	0.352	0.148	0.200
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	ug/L		ND			ND	ND		ND		
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		279				ND		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.35	0.50	0.42	0.43	0.37	0.36	0.41	0.34	0.35	0.35
Uranium	pCi/L		1.41				1.45		0.134		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L	62.1	65.6	75.8	64.4	54.9	65.1	55.1	50.8	45.7	59.2

Whittier Narrows Water Reclamation Plant
2017 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-135/151	pg/L			DNQ Est. Conc. 9.5	ND	DNQ Est. Conc. 9.5			EPA 1668		1.2	430
PCB-147/149	pg/L			DNQ Est. Conc. 15 (8)	ND	DNQ Est. Conc. 15 (8)			EPA 1668		1.1	430
PCB-153/168	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		0.95	430
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		0.79	43
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		0.79	43
PCB-180/193	pg/L			ND (8)	ND	ND (8)			EPA 1668		0.41	430
PCB-20/28	pg/L			DNQ Est. Conc. 7.2	ND	DNQ Est. Conc. 7.2			EPA 1668		1.0	430
PCB-44/47/65	pg/L			DNQ Est. Conc. 50 (8)	ND	DNQ Est. Conc. 50 (8)			EPA 1668		0.56	650
PCB-49/69	pg/L			DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7			EPA 1668		0.49	430
PCBs as Congeners Sum	ug/L			ND	ND	ND			EPA 1668			
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L	0.59	0.34	0.13	0.40	0.73			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		DNQ Est. Conc. 0.31	ND	ND	DNQ Est. Conc. 0.37			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.3	7.2	7.1	7.3	7.3			SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenols (PCBs)	pg/L		ND		ND				EPA 608			
Potassium	mg/L	15.9	14.9	14.9	15.5	16.0			EPA 200.8		0.007 - 0.033	0.20
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	ug/L	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.26	ND	DNQ Est. Conc. 0.57			EPA 200.8	2	0.04 - 0.10	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L	ND	ND	ND	ND	ND			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L		ND	ND	0.25	0.966		8	EPA 905.0		0.295 - 0.540	0.295 - 0.540
Sulfate	mg/L	86.9	86.6	86.6	102	119		300	EPA 300.0		0.020 - 0.120	2.00 - 2.50
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND		0.5	SM 5540C		0.03	0.10
Technical chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	Degrees F	79.6	75.8	72.1	79.2	85.5	86		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L	ND	ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		DNQ Est. Conc. 0.20	ND	ND	DNQ Est. Conc. 0.31			EPA 624	2	0.06 - 0.19	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	23 (9)		SM 9222B		1	1
Total dissolved solids	mg/L	570	525	516	571	638		750	SM 2540C		2.7	45.5 - 83.3
Total hardness	mg/L	199	195	146	198	276			EPA 200.8 & SM 2340C			0.05 - 12
Total nitrogen	mg/L	6.92	6.35	6.35	7.65	9.52			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.138	0.117	0.096	0.16	0.352			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	ug/L	ND		ND	ND	ND			EPA 1613B			
Trichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L		ND	ND	69.8	279		20000	EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.39	0.33	0.33	0.38	0.50	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.962	0.134	0.989	1.45		20	EPA 908.0		0.470	0.470
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	59.4	59.2	45.7	59.8	75.8	159 (3)(5)	114 (3)(5)	EPA 200.8	1	0.60 - 0.66	1.00

(1) The Ammonia Nitrogen effluent limitations apply to Discharge Point 001 that flow into San Gabriel River. ELS Present seasonal limits are from April 1 through September 30.
(2) The Ammonia Nitrogen effluent limitations apply to Discharge Point 001 that flow into San Gabriel River. ELS Absent seasonal limits are from October 1 through March 31.
(3) Effluent limitations apply only to Discharge Point 002, 003, and 004, which flows into the Rio Hondo River.
(4) Effluent limitations apply only to Discharge Point 001, which flows into the San Gabriel River.
(5) Wet weather effluent limits apply when the maximum daily flow measured at the Los Angeles River Wardlow gauging station is equal to or greater than 500 cubic feet per second.
(6) Wet weather effluent limits apply when the maximum daily flow measured at the San Gabriel River United States Geological Survey gauging station 11087020 is equal to or greater than 260 cubic feet per second.
(7) The Mercury effluent limitations do not apply to Discharge Point 001 (San Gabriel River) because the discharge does not show reasonable potential to exceed the criteria.
(8) Compound was found in the blank and sample.
(9) Number of coliforms may not exceed 23/100mL in more than one sample during any 30-day period.