2016 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
2016 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. 0.16			ND			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		DNQ Est. Conc. 25			DNQ Est. Conc. 23			DNQ Est. Conc. 19	
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 8.2			DNQ Est. Conc. 10			DNQ Est. Conc. 8.5	
1,2,3,4,7,8-HexaCDD	pg/L		DNQ Est. Conc. 1.0			ND			ND	
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.3			ND			ND	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND			ND			ND	
1,2,3,6,7,8-HexaCDD	pg/L		DNQ Est. Conc. 2.0			ND			ND	
1,2,3,6,7,8-HexaCDF	pg/L		ND			ND			ND	
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		DNQ Est. Conc. 2.4			ND			ND	
1,2,3,7,8,9-HexaCDF	pg/L		ND			ND			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. 0.32			DNQ Est. Conc. 0.19			ND	
2-Chloroethylvinyl ether	ug/L		ND			ND			ND	
2-Chloronaphthalene	ug/L		ND			ND			ND	
2-Chlorophenol	ug/L		3.8			2.9			2.0	
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		DNQ Est. Conc. 1.2			ND			ND	
2,3,4,7,8-PentaCDF	pg/L		DNQ Est. Conc. 0.58			ND			ND	
2,3,7,8-TCDD	pg/L		ND			ND			ND	
2,3,7,8-TetraCDF	pg/L		ND			ND			DNQ Est. Conc. 2.0	
2,4-Dichlorophenol	ug/L		ND			ND			ND	
2,4-Dimethylphenol	ug/L		31			21			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	
2,4'-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		DNQ Est. Conc. 0.003			ND			DNQ Est. Conc. 0.008	
4,4'-DDE	ug/L		ND			ND			DNQ Est. Conc. 0.008	
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	
Ammonia Nitrogen	mg/L	39.2	48.8	51.8	45.3	46.1	46.5	47.4	43.8	42.2
Anthracene	ug/L		ND			ND			ND	
Antimony	ug/L		6.86			7.01			3.02	

JWPCP
2016 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit	Method	ML	MDL	RDL
					Minimum	Average	Maximum	Monthly Average				
1,1-Dichloroethane	ug/L		ND		ND	ND	ND		EPA 624	1	0.07 - 0.20	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 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND		ND	ND	ND		EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L		ND		ND	ND	ND		EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L		ND		ND	ND	DNQ Est. Conc. 0.16		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	0.25	1.0
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 19		DNQ Est. Conc. 19	ND	DNQ Est. Conc. 25		EPA 1613B		0.33 - 1.2	51 - 52
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 7.5		DNQ Est. Conc. 7.5	ND	DNQ Est. Conc. 10		EPA 1613B		0.48 - 2.1	51 - 52
1,2,3,4,7,8-HexaCDD	pg/L		DNQ Est. Conc. 1.4		ND	ND	DNQ Est. Conc. 1.4		EPA 1613B		0.25 - 1.5	51 - 52
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.8		ND	ND	DNQ Est. Conc. 1.8		EPA 1613B		0.26 - 1.3	51 - 52
1,2,3,4,7,8,9-HeptaCDF	pg/L		DNQ Est. Conc. 2.5		ND	ND	DNQ Est. Conc. 2.5		EPA 1613B		0.62 - 3.2	51 - 52
1,2,3,6,7,8-HexaCDD	pg/L		DNQ Est. Conc. 2.1		ND	ND	DNQ Est. Conc. 2.1		EPA 1613B		0.26 - 1.4	51 - 52
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.5		ND	ND	DNQ Est. Conc. 1.5		EPA 1613B		0.25 - 1.2	51 - 52
1,2,3,7,8-PentaCDD	pg/L		ND		ND	ND	ND		EPA 1613B		0.59 - 8.5	51 - 52
1,2,3,7,8-PentaCDF	pg/L		DNQ Est. Conc. 1.4		ND	ND	DNQ Est. Conc. 1.4		EPA 1613B		0.31 - 1.8	51 - 52
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 2.3		ND	ND	DNQ Est. Conc. 2.4		EPA 1613B		0.21 - 1.2	51 - 52
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 2.0		ND	ND	DNQ Est. Conc. 2.0		EPA 1613B		0.25 - 0.84	51 - 52
1,2,4-Trichlorobenzene	ug/L		ND		ND	ND	ND		EPA 625	5	0.55	1.0
1,3-Dichlorobenzene	ug/L		ND		ND	ND	ND		EPA 624	2	0.08 - 0.09	0.50
1,3-Dichloropropene	ug/L		ND		ND	ND	ND		EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND		ND	ND	DNQ Est. Conc. 0.32		EPA 624	2	0.07 - 0.16	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	0.45	1.0
2-Chlorophenol	ug/L		2.1		2.0	2.7	3.8		EPA 625	5	0.28	1.0
2-methyl-4,6-dinitrophenol	ug/L		ND		ND	ND	ND		EPA 625	5	1.7	5.0
2-Nitrophenol	ug/L		ND		ND	ND	ND		EPA 625	10	0.26	1.0
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.8		ND	ND	DNQ Est. Conc. 1.8		EPA 1613B		0.24 - 0.88	51 - 52
2,3,4,7,8-PentaCDF	pg/L		DNQ Est. Conc. 1.5		ND	ND	DNQ Est. Conc. 1.5		EPA 1613B		0.36 - 2.0	51 - 52
2,3,7,8-TCDD	pg/L		ND		ND	ND	ND		EPA 1613B		0.36 - 1.4	10
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 1.4		ND	ND	DNQ Est. Conc. 2.0		EPA 1613B		0.32 - 1.5	10
2,4-Dichlorophenol	ug/L		ND		ND	ND	ND		EPA 625	5	0.26	1.0
2,4-Dimethylphenol	ug/L		ND		ND	13	31		EPA 625	2	0.30	1.0
2,4-Dinitrophenol	ug/L		ND		ND	ND	ND		EPA 625	5	1.6	10
2,4-Dinitrotoluene	ug/L		ND		ND	ND	ND		EPA 625	5	0.18	1.0
2,4,6-Trichlorophenol	ug/L		ND		ND	ND	ND		EPA 625	10	0.22	1.0
2,4'-DDD	ug/L		ND		ND	ND	ND		EPA 608		0.001	0.02
2,4'-DDE	ug/L		DNQ Est. Conc. 0.007		ND	ND	DNQ Est. Conc. 0.007		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	0.27	1.0
3,3'-Dichlorobenzidine	ug/L		ND		ND	ND	ND		EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L		ND		ND	ND	ND		EPA 625	5	0.36	1.0
4-Chloro-3-methylphenol	ug/L		ND		ND	ND	ND		EPA 625	1	0.23	1.0
4-Chlorophenyl phenyl ether	ug/L		ND		ND	ND	ND		EPA 625	5	0.41	1.0
4-Nitrophenol	ug/L		ND		ND	ND	ND		EPA 625	10	0.45	5.0
4,4'-DDD	ug/L		ND		ND	ND	DNQ Est. Conc. 0.008		EPA 608	0.05	0.001 - 0.002	0.02
4,4'-DDE	ug/L		0.01		ND	0.003	0.01		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	0.38	1.0
Acenaphthylene	ug/L		ND		ND	ND	ND		EPA 625	10	0.40	1.0
Acrolein	ug/L		ND		ND	ND	ND		EPA 624		1.3 - 1.6	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
Ammonia Nitrogen	mg/L	47.5	46.3	51.9	39.2	46.4	51.9		SM 4500 NH3 C		0.0600	4.00
Anthracene	ug/L		ND		ND	ND	ND		EPA 625	10	0.34	1.0
Antimony	ug/L		3.10		3.02	5.00	7.01		EPA 200.8	0.5	0.32	0.50

JWPCP
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
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	4.78	5.33	4.13	5.15	6.31	4.72	4.08	5.47	4.69
Benzene	ug/L		17.6			19.1			20.2	
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		ND			DNQ Est. Conc. 0.030			DNQ Est. Conc. 0.030	
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			DNQ Est. Conc. 2.8			ND	
BOD	mg/L	467	458	462	462	451	416	367	430	399
Bromoform	ug/L		DNQ Est. Conc. 0.14			ND			ND	
Bromomethane	ug/L		ND			ND			ND	
Butyl benzyl phthalate	ug/L		ND			DNQ Est. Conc. 0.53			ND	
Cadmium	ug/L	1.27	0.760	0.86	1.85	1.37	0.74	0.82	1.98	0.81
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		DNQ Est. Conc. 0.14			ND			DNQ Est. Conc. 0.16	
Chloroethane	ug/L		ND			ND			ND	
Chloroform	ug/L		19.7			31.9			21.0	
Chloromethane	ug/L		DNQ Est. Conc. 0.46			1.7			2.0	
Chromium (III)	ug/L		22.2			49.0			16.7	
Chromium (VI)	ug/L	ND	DNQ Est. Conc. 0.03	ND	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.01
Chrysene	ug/L		ND			ND			ND	
cis-Nonachlor	ug/L		ND			ND			ND	
COD	mg/L	790	760	758	757	728	705	685	737	729
Copper	ug/L	147	159	168	123	362	107	115	156	126
Cyanide, Total	ug/L	12.8	18.1	14.4	15.9	11.4	10.9	10.4	18.9	8.32
delta-hexachlorocyclohexane	ug/L		ND			DNQ Est. Conc. 0.004			ND	
Di-n-butyl phthalate	ug/L		ND			DNQ Est. Conc. 0.79			1.1	
Di-n-octyl phthalate	ug/L		ND			ND			ND	
Dibenzo(a,h)anthracene	ug/L		ND			ND			ND	
Dichlorobromomethane	ug/L		DNQ Est. Conc. 0.20			DNQ Est. Conc. 0.42			0.52	
Dichloromethane	ug/L		5.2			4.0			2.7	
Dieldrin	ug/L		ND			ND			ND	
Diethylphthalate	ug/L		2.7			1.7			2.6	
Dimethylphthalate	ug/L		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		6.5			3.7			15.3	
Fluoranthene	ug/L		ND			ND			ND	
Fluorene	ug/L		ND			ND			ND	
gamma-Chlordane	ug/L		ND			ND			ND	
gamma-hexachlorocyclohexane	ug/L		ND			DNQ Est. Conc. 0.01			ND	

JWPCP
2016 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit	Method	ML	MDL	RDL
					Minimum	Average	Maximum	Monthly Average				
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	4.24	4.43	4.11	4.08	4.79	6.31		EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L		32.1		17.6	22.3	32.1		EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L		ND		ND	ND	ND		EPA 625	5	3.7	10
Benzo(a)anthracene (1,2-benzanthracene)	ug/L		ND		ND	ND	ND		EPA 625	5	0.19	1.0
Benzo(a)pyrene	ug/L		ND		ND	ND	ND		EPA 625	10	0.13	1.0
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L		ND		ND	ND	ND		EPA 625	10	0.14	1.0
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L		ND		ND	ND	ND		EPA 625	5	0.10	2.0
Benzo(k)fluoranthene	ug/L		ND		ND	ND	ND		EPA 625	10	0.22	1.0
Beryllium	ug/L		ND		ND	ND	DNQ Est. Conc. 0.030		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	0.25	1.0
Bis(2-chloro-isopropyl)ether	ug/L		ND		ND	ND	ND		EPA 625	2	0.38	1.0
Bis(2-chloroethyl)ether	ug/L		ND		ND	ND	ND		EPA 625	1	0.27	1.0
Bis(2-ethylhexyl)phthalate	ug/L		27		ND	6.8	27		EPA 625	5	2.3	5.0
BOD	mg/L	394	457	454	367	435	467		SM 5210B		0.6	150
Bromoform	ug/L		DNQ Est. Conc. 0.22		ND	ND	DNQ Est. Conc. 0.22		EPA 624	2	0.13 - 0.17	0.50
Bromomethane	ug/L		DNQ Est. Conc. 0.42		ND	ND	DNQ Est. Conc. 0.42		EPA 624	2	0.21 - 0.34	0.50
Butyl benzyl phthalate	ug/L		ND		ND	ND	DNQ Est. Conc. 0.53		EPA 625	10	0.18	1.0
Cadmium	ug/L	0.90	0.840	0.88	0.74	1.1	1.98		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		ND		ND	ND	ND		EPA 608		0.0003 - 0.0004	0.02
Chlordene-gamma	ug/L		ND		ND	ND	ND		EPA 608		0.002 - 0.005	0.01
Chlorobenzene	ug/L		ND		ND	ND	ND		EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L		ND		ND	ND	DNQ Est. Conc. 0.16		EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L		DNQ Est. Conc. 0.26		ND	ND	DNQ Est. Conc. 0.26		EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L		26.3		19.7	24.7	31.9		EPA 624	2	0.09 - 0.18	0.50
Chloromethane	ug/L		1.7		DNQ Est. Conc. 0.46	1.4	2.0		EPA 624	2	0.06 - 0.19	0.50
Chromium (III)	ug/L		15.6		15.6	25.9	49.0		Chromium III Calculation			
Chromium (VI)	ug/L	DNQ Est. Conc. 0.01	DNQ Est. Conc. 0.02	ND	ND	ND	DNQ Est. Conc. 0.03		EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L		ND		ND	ND	ND		EPA 625	10	0.19	1.0
cis-Nonachlor	ug/L		ND		ND	ND	ND		EPA 608		0.0006 - 0.002	0.01
COD	mg/L	708	806	783	685	746	806		SM 5220C (SMicro)		7.3	25.0
Copper	ug/L	124	103	93.3	93.3	149	362		EPA 200.8	0.5	0.11 - 0.16	0.50 - 10.0
Cyanide, Total	ug/L	10.1	6.04	15.6	6.04	12.7	18.9		SM 4500 CN E	5	0.7	5.00
delta-hexachlorocyclohexane	ug/L		ND		ND	ND	DNQ Est. Conc. 0.004		EPA 608	0.005	0.003 - 0.004	0.03
Di-n-butyl phthalate	ug/L		ND		ND	0.28	1.1		EPA 625	10	0.24	1.0
Di-n-octyl phthalate	ug/L		ND		ND	ND	ND		EPA 625	10	0.19	1.0
Dibenzo(a,h)anthracene	ug/L		ND		ND	ND	ND		EPA 625	10	0.080	2.0
Dichlorobromomethane	ug/L		0.52		DNQ Est. Conc. 0.20	0.26	0.52		EPA 624	2	0.09 - 0.17	0.50
Dichloromethane	ug/L		2.6		2.6	3.6	5.2		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		1.8		1.7	2.2	2.7		EPA 625	2	0.15	1.0
Dimethylphthalate	ug/L		ND		ND	ND	ND		EPA 625	2	0.18	1.0
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	ND		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
Endrin	ug/L		ND		ND	ND	ND		EPA 608	0.01	0.001 - 0.002	0.02
Ethylbenzene	ug/L		7.4		3.7	8.2	15.3		EPA 624	2	0.12 - 0.18	0.50
Fluoranthene	ug/L		ND		ND	ND	ND		EPA 625	1	0.22	1.0
Fluorene	ug/L		ND		ND	ND	ND		EPA 625	10	0.35	1.0
gamma-Chlordane	ug/L		ND		ND	ND	ND		EPA 608		0.002	0.02
gamma-hexachlorocyclohexane	ug/L		ND		ND	ND	DNQ Est. Conc. 0.01		EPA 608	0.02	0.0009 - 0.001	0.04

JWPCP
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Gross Alpha Radioactivity	pCi/L	ND	7.16	2.50	ND	8.09	ND	ND	4.67	4.30
Gross Beta Radioactivity	pCi/L	11.6	13.3	5.36	19.9	6.77	14.8	9.77	6.22	14.2
Heptachlor epoxide	ug/L		ND			ND			ND	
Heptachlor	ug/L		ND			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	8.90	6.45	7.87	5.86	13.9	4.08	4.32	5.39	4.34
Mercury	ug/L	ND	0.53	0.12	0.15	0.19	0.12	0.11	0.15	0.14
Methyl-tert-butyl-ether	ug/L		2.6			1.3			2.8	
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		2.9			DNQ Est. Conc. 0.97			1.7	
Nickel	ug/L	94.9	26.3	46.3	19.0	36.0	11.9	11.4	17.0	14.3
Nitrate as Nitrogen	mg/L		1.26			1.18			1.11	
Nitrite as Nitrogen	mg/L		0.37			0.59			0.72	
Nitrobenzene	ug/L		ND			ND			ND	
OctaCDD	pg/L		280			340			240	
OctaCDF	pg/L		DNQ Est. Conc. 39			DNQ Est. Conc. 46			DNQ Est. Conc. 24	
Oil and grease	mg/L	74.6	83.0	66.8	62.1	63.7	65.2	66.0	58.1	65.3
Organic nitrogen	mg/L		20.3			30.8			22.8	
Oxychlordane	ug/L		ND			ND			ND	
Pentachlorophenol	ug/L		ND			ND			ND	
Phenanthrene	ug/L		ND			ND			ND	
Phenol	ug/L		160			56			99	
pH	SU	7.1	7.2	7.2	7.2	7.2	7.1	7.2	7.1	7.1
Pyrene	ug/L		ND			ND			ND	
Selenium	ug/L	8.55	9.59	7.72	9.45	10.0	11.0	8.96	9.89	9.29
Silver	ug/L	1.56	1.17	1.94	2.86	2.64	1.05	0.59	1.01	0.72
TCDD equivalents	pg/L		0.28			0.34			0.24	
Tetrachloroethylene	ug/L		2.3			0.87			DNQ Est. Conc. 0.34	
Thallium	ug/L		DNQ Est. Conc. 0.020			DNQ Est. Conc. 0.020			DNQ Est. Conc. 0.020	
Toluene	ug/L		35.2			27.0			31.3	
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			1.7			2.0	
Total HCH	ug/L		ND			ND			ND	
Total PAHs	ug/L		ND			ND			ND	
Total PCBs	ug/L		ND			ND			ND	
Total Phenolic Compounds (Chlorinated)	ug/L		3.8			2.9			2.0	
Total Phenolic Compounds (non-chlorinated)	ug/L		191			77.0			99.0	
Total Phosphorus	mg/L		8.69			12.9			8.60	
Total Suspended Solids	mg/L	515	503	505	500	501	476	481	514	494
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	
Vinyl Chloride	ug/L		ND			ND			ND	
Zinc	ug/L	363	335	326	362	392	266	255	356	307

JWPCP
2016 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit	Method	ML	MDL	RDL
					Minimum	Average	Maximum	Monthly Average				
Gross Alpha Radioactivity	pCi/L	ND	4.85	6.60	ND	3.18	8.09		EPA 900.0		1.78 - 4.02	1.78 - 4.02
Gross Beta Radioactivity	pCi/L	13.1	14.2	11.5	5.36	11.7	19.9		EPA 900.0		1.72 - 3.20	1.72 - 3.20
Heptachlor epoxide	ug/L		ND		ND	ND	ND		EPA 608	0.01	0.001	0.02
Heptachlor	ug/L		ND		ND	ND	ND		EPA 608	0.01	0.0008 - 0.001	0.03
Hexachlorobenzene	ug/L		ND		ND	ND	ND		EPA 625	1	0.49	1.0
Hexachlorobutadiene	ug/L		ND		ND	ND	ND		EPA 625	1	0.47	1.0
Hexachlorocyclopentadiene	ug/L		ND		ND	ND	ND		EPA 625	5	1.5	5.0
Hexachloroethane	ug/L		ND		ND	ND	ND		EPA 625	1	0.52	1.0
Indeno (1,2,3-cd) pyrene	ug/L		ND		ND	ND	ND		EPA 625	10	0.12	2.0
Isophorone	ug/L		ND		ND	ND	ND		EPA 625	1	0.21	1.0
Lead	ug/L	5.33	4.95	4.61	4.08	6.33	13.9		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.28	0.49	0.18	ND	0.21	0.53		EPA 245.1	0.5	0 - 0.004	0.04
Methyl-tert-butyl-ether	ug/L		ND		ND	1.7	2.8		EPA 624		0.12 - 0.21	0.50
n-Nitroso-n-propylamine	ug/L		ND		ND	ND	ND		EPA 625	5	0.26	1.0
n-Nitrosodimethylamine (NDMA)	ug/L		ND	0.27	ND	0.054	0.27		EPA1625(Mod.)/EPA625	5	0.0050 - 0.14	0.020 - 1.0
n-Nitrosodiphenylamine	ug/L		ND		ND	ND	ND		EPA 625	1	0.19	1.0
Naphthalene	ug/L		1.5		DNQ Est. Conc. 0.97	1.5	2.9		EPA 625	1	0.49	1.0
Nickel	ug/L	24.2	24.0	17.4	11.4	28.6	94.9		EPA 200.8	1	0.12	1.00
Nitrate as Nitrogen	mg/L		1.91		1.11	1.37	1.91		SM 4500 NO3 E		0.00600	0.100
Nitrite as Nitrogen	mg/L		0.54		0.37	0.56	0.72		SM 4500 NO2 B		0.00040	0.100 - 0.250
Nitrobenzene	ug/L		ND		ND	ND	ND		EPA 625	1	0.36	1.0
OctaCDD	pg/L		250		240	278	340		EPA 1613B		0.42 - 3.0	100
OctaCDF	pg/L		DNQ Est. Conc. 38		DNQ Est. Conc. 24	ND	DNQ Est. Conc. 46		EPA 1613B		0.35 - 1.5	100
Oil and grease	mg/L	51.9	63.4	49.9	49.9	64.2	83.0		EPA 1664A		0.8 - 1.2	4.0
Organic nitrogen	mg/L		32.7		20.3	26.7	32.7		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	ND		EPA 625	5	0.19	1.0
Phenanthrene	ug/L		ND		ND	ND	ND		EPA 625	5	0.32	1.0
Phenol	ug/L		83		56	100	160		EPA 625	1	1.6	10
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	0.25	1.0
Selenium	ug/L	7.00	8.48	10.2	7.00	9.18	11.0		EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L	1.35	1.02	1.46	0.59	1.4	2.86		EPA 200.8	0.25	0.01 - 0.02	0.20
TCDD equivalents	pg/L		0.25		0.24	0.28	0.34		EPA 1613B			
Tetrachloroethylene	ug/L		1.4		DNQ Est. Conc. 0.34	1.1	2.3		EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L		DNQ Est. Conc. 0.020		DNQ Est. Conc. 0.020	ND	DNQ Est. Conc. 0.020		EPA 200.8	1	0.015	0.25
Toluene	ug/L		58.5		27.0	38.0	58.5		EPA 624	2	0.06 - 0.19	0.50
Total Chlordanes	ug/L		ND		ND	ND	ND		EPA 608			
Total DDT	ug/L		0.01		ND	0.0025	0.01		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		1.7		ND	1.4	2.0		EPA 624			
Total HCH	ug/L		ND		ND	ND	ND		EPA 608			
Total PAHs	ug/L		ND		ND	ND	ND		EPA 625			
Total PCBs	ug/L		ND		ND	ND	ND		EPA 608			
Total Phenolic Compounds (Chlorinated)	ug/L		2.1		2.0	2.7	3.8		EPA 625			
Total Phenolic Compounds (non-chlorinated)	ug/L		83.0		77.0	113	191		EPA 625			
Total Phosphorus	mg/L		10.1		8.60	10.1	12.9		SM4500P-E		0.00300	2.00 - 2.50
Total Suspended Solids	mg/L	479	531	520	476	502	531		SM 2540D		2.5	2.5
Toxaphene	ug/L		ND		ND	ND	ND		EPA 608	0.5	0.04 - 0.08	0.3
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		1.3	2.9
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	325	265	237	237	316	392		EPA 200.8	1	0.60 - 0.66	5.00 - 20.0

JWPCP Effluent Monitoring

JWPCP
2016 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			DNQ Est. Conc. 0.37		
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		DNQ Est. Conc. 1.8			DNQ Est. Conc. 2.7			DNQ Est. Conc. 2.3		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 1.1			DNQ Est. Conc. 3.6			DNQ Est. Conc. 1.8		
1,2,3,4,7,8-HexaCDD	pg/L		ND			DNQ Est. Conc. 2.1			ND		
1,2,3,4,7,8-HexaCDF	pg/L		ND			ND			ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND			ND			ND		
1,2,3,6,7,8-HexaCDD	pg/L		ND			DNQ Est. Conc. 1.3			ND		
1,2,3,6,7,8-HexaCDF	pg/L		ND			ND			ND		
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			DNQ Est. Conc. 0.92			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		ND			ND			ND		
2-Chloroethylvinyl ether	ug/L		ND			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		
2,3,4,6,7,8-HexaCDF	pg/L		ND			DNQ Est. Conc. 1.1			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		
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		DNQ Est. Conc. 0.83			DNQ Est. Conc. 0.59			DNQ Est. Conc. 1.1		
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		ND			ND			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 hexachlorocyclohexane	ug/L		ND			ND			ND		
Ammonia Nitrogen	mg/L	41.2	46.5	44.8	48.4	45.9	44.9	42.5	41.1	43.3	46.3
Anthracene	ug/L		ND			ND			ND		
Antimony	ug/L		7.69			3.47			2.23		
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	2.11	1.83	1.9	2.16	2.10	2.19	1.96	2.59	2.22	2.09
Benzene	ug/L		ND			ND			ND		
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		

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Parameter	Units	November	December	Monthly Average			Limit			Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
1,1-Dichloroethane	ug/L	ND		ND	ND	ND				EPA 624	1	0.07 - 0.20	0.50
1,1-Dichloroethylene	ug/L	ND		ND	ND	ND			1.1	EPA 624	2	0.13 - 0.32	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 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND			0.4	EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND				EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	DNQ Est. Conc. 0.37			0.6	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			0.65	EPA 625	1	0.13	1.0
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 5.9		DNQ Est. Conc. 1.8	ND	DNQ Est. Conc. 5.9				EPA 1613B		0.19 - 0.59	51 - 52
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 2.8		DNQ Est. Conc. 1.1	ND	DNQ Est. Conc. 3.6				EPA 1613B		0.24 - 0.80	51 - 52
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 2.2		ND	ND	DNQ Est. Conc. 2.2				EPA 1613B		0.19 - 1.1	51 - 52
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 2.2		ND	ND	DNQ Est. Conc. 2.2				EPA 1613B		0.22 - 0.96	51 - 52
1,2,3,4,7,8,9-HeptaCDF	pg/L	DNQ Est. Conc. 2.3		ND	ND	DNQ Est. Conc. 2.3				EPA 1613B		0.30 - 1.2	51 - 52
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 2.6		ND	ND	DNQ Est. Conc. 2.6				EPA 1613B		0.20 - 1.1	51 - 52
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 2.2		ND	ND	DNQ Est. Conc. 2.2				EPA 1613B		0.22 - 0.86	51 - 52
1,2,3,7,8-PentaCDD	pg/L	DNQ Est. Conc. 2.9		ND	ND	DNQ Est. Conc. 2.9				EPA 1613B		0.36 - 2.0	51 - 52
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 2.1		ND	ND	DNQ Est. Conc. 2.1				EPA 1613B		0.25 - 1.8	51 - 52
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 1.9		ND	ND	DNQ Est. Conc. 1.9				EPA 1613B		0.16 - 0.87	51 - 52
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 2.1		ND	ND	DNQ Est. Conc. 2.1				EPA 1613B		0.22 - 0.61	51 - 52
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 - 0.09	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	ND			1	EPA 624	2	0.07 - 0.16	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	0.16	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			13	EPA 625	5	1.3	5.0
2-Nitrophenol	ug/L	ND		ND	ND	ND				EPA 625	10	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 2.0		ND	ND	DNQ Est. Conc. 2.0				EPA 1613B		0.21 - 0.66	51 - 52
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.9		ND	ND	DNQ Est. Conc. 1.9				EPA 1613B		0.27 - 2.0	51 - 52
2,3,7,8-TCDD	pg/L	DNQ Est. Conc. 0.86		ND	ND	DNQ Est. Conc. 0.86				EPA 1613B		0.27 - 1.1	10
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 0.71		ND	ND	DNQ Est. Conc. 0.71				EPA 1613B		0.16 - 1.6	10
2,4-Dichlorophenol	ug/L	ND		ND	ND	ND				EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L	ND		ND	ND	ND				EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L	ND		ND	ND	ND			17	EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L	ND		ND	ND	ND			1	EPA 625	5	0.20	5.0
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.49		DNQ Est. Conc. 0.49	ND	DNQ Est. Conc. 1.1			0.6	EPA 625	10	0.12	10.0
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	0.22	5.0
3,3'-Dichlorobenzidine	ug/L	ND		ND	ND	ND		1.4		EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L	ND		ND	ND	ND				EPA 625	5	0.21	5.0
4-Chloro-3-methylphenol	ug/L	ND		ND	ND	ND				EPA 625	1	0.13	1.0
4-Chlorophenyl phenyl ether	ug/L	ND		ND	ND	ND				EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L	ND		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	ND				EPA 625	1	0.15	1.0
Acenaphthylene	ug/L	ND		ND	ND	ND				EPA 625	10	0.14	10.0
Acrolein	ug/L	ND		ND	ND	ND			5.2	EPA 624		1.3 - 1.6	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	44.5	47.2	41.1	44.7	48.4			40	SM4500NH3 C/SM4500NH3 G		0.020 - 0.0600	2.50 - 10.0
Anthracene	ug/L	ND		ND	ND	ND				EPA 625	10	0.18	10.0
Antimony	ug/L	1.75		1.75	3.79	7.69			9.8	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
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	2.07	1.72	1.72	2.08	2.59			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		EPA 625	5	1.7	5.0
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND		ND	ND	ND				EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L	ND		ND	ND	ND				EPA 610	10	0.007	0.10
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND		ND	ND	ND				EPA 610	10	0.004	0.10
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND		ND	ND	ND				EPA 625	5	0.19	5.0

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Benzo(k)fluoranthene	ug/L		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		
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		DNQ Est. Conc. 1.3			DNQ Est. Conc. 0.84			2.3		
BOD	mg/L	4.2	3.9	3.8	3.5	3.5	4.0	2.6	2.7	2.8	2.5
Bromoform	ug/L		ND			ND			ND		
Bromomethane	ug/L		ND			ND			ND		
Butyl benzyl phthalate	ug/L		ND			ND			ND		
Cadmium	ug/L	ND	DNQ Est. Conc. 0.040	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.060	ND	DNQ Est. Conc. 0.03
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. 0.18			DNQ Est. Conc. 0.17			ND		
Chloroethane	ug/L		ND			ND			ND		
Chloroform	ug/L		10.5			14.2			14.0		
Chloromethane	ug/L		ND			DNQ Est. Conc. 0.22			DNQ Est. Conc. 0.25		
Chromium (III)	ug/L		1.23			2.2			1.40		
Chromium (VI)	ug/L	0.14	0.15	0.17	0.14	0.13	0.20	0.13	0.10	0.12	DNQ Est. Conc. 0.02
Chrysene	ug/L		ND			ND			ND		
cis-Nonachlor	ug/L		ND			ND			ND		
COD	mg/L	59	59	57	56	54	55	49.00	50	51	51
Copper	ug/L	3.40	2.40	2.73	2.16	3.03	4.82	2.58	2.46	2.00	3.29
Cyanide	ug/L	9.03	9.04	8.65	7.77	6.70	DNQ Est. Conc. 4.95	DNQ Est. Conc. 4.95	DNQ Est. Conc. 4.34	6.19	5.24
delta-hexachlorocyclohexane	ug/L		ND			ND			ND		
Di-n-butyl phthalate	ug/L		DNQ Est. Conc. 1.1			DNQ Est. Conc. 1.8			DNQ Est. Conc. 0.32		
Di-n-octyl phthalate	ug/L		ND			ND			ND		
Dibenzo(a,h)anthracene	ug/L		ND			ND			ND		
Dichlorobromomethane	ug/L		0.51			0.66			DNQ Est. Conc. 0.40		
Dichloromethane	ug/L		1.1			1.5			3.0		
Dieldrin	ug/L		ND			ND			ND		
Diethyl phthalate	ug/L		ND			ND			ND		
Dimethyl phthalate	ug/L		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		
Fluorene	ug/L		ND			ND			ND		
gamma-hexachlorocyclohexane	ug/L		ND			ND			ND		
Gross alpha radioactivity	pCi/L	4.78	4.07	1.58	ND	4.39	1.34	2.90	ND	5.68	4.94
Gross beta radioactivity	pCi/L	11.8	5.61	9.76	8.17	9.26	10.8	3.04	30.1	5.20	16.7
Heptachlor epoxide	ug/L		ND			ND			ND		
Heptachlor	ug/L		ND			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	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.09	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.09	DNQ Est. Conc. 0.11
Mercury	ug/L	0.0028	0.0030	0.0033	0.0029	0.0025	0.0031	0.0019	0.0032	0.0032	0.0030
Methyl-tert-butyl-ether	ug/L		1.7			1.0			2.1		
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	8.81	11.0	9.97	6.90	12.1	6.41	4.42	6.30	4.82	6.59
Nitrate as Nitrogen	mg/L		ND			ND			ND		
Nitrite as Nitrogen	mg/L		0.10			0.07			0.04		
Nitrobenzene	ug/L		ND			ND			ND		
OctaCDD	pg/L		DNQ Est. Conc. 26			DNQ Est. Conc. 12			DNQ Est. Conc. 13		
OctaCDF	pg/L		DNQ Est. Conc. 11			DNQ Est. Conc. 5.6			ND		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L		5.23			2.76			2.53		

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Parameter	Units	November	December	Monthly Average			Limit			Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
Benzo(k)fluoranthene	ug/L	ND		ND	ND	ND				EPA 610	10	0.005	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	5.0
Bis(2-chloro-isopropyl)ether	ug/L	ND		ND	ND	ND			1.6	EPA 625	2	0.16	2.0
Bis(2-chloroethyl)ether	ug/L	ND		ND	ND	ND			0.95	EPA 625	1	0.19	1.0
Bis(2-ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 1.5		DNQ Est. Conc. 0.84	0.58	2.3			17	EPA 625	5	0.25	2.0
BOD	mg/L	2.2	3.2	2.6	3.2	4.2		30		SM 5210B		0.6	2.4
Bromoform	ug/L	DNQ Est. Conc. 0.20		ND	ND	DNQ Est. Conc. 0.20				EPA 624	2	0.13 - 0.17	0.50
Bromomethane	ug/L	ND		ND	ND	ND				EPA 624	2	0.21 - 0.34	0.50
Butyl benzyl phthalate	ug/L	ND		ND	ND	ND				EPA 625	10	0.16	10.0
Cadmium	ug/L	ND	ND	ND	ND	DNQ Est. Conc. 0.060			0.1	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND			1	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	ND		ND	ND	ND				EPA 608		0.0003 - 0.0004	0.02
Chlordene-gamma	ug/L	ND		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 - 0.11	0.50
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.18		ND	ND	DNQ Est. Conc. 0.18			0.6	EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L	ND		ND	ND	ND				EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	12.9		10.5	12.9	14.2			30	EPA 624	2	0.09 - 0.18	0.50
Chloromethane	ug/L	DNQ Est. Conc. 0.19		ND	ND	DNQ Est. Conc. 0.25				EPA 624	2	0.06 - 0.19	0.50
Chromium (III)	ug/L	0.85		0.85	1.4	2.2			3.3	Chromium III Calculation			
Chromium (VI)	ug/L	0.08	ND	ND	0.1	0.20			1.5	EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L	ND		ND	ND	ND				EPA 610	10	0.005	0.10
cis-Nonachlor	ug/L	ND		ND	ND	ND				EPA 608		0.0006 - 0.002	0.01
COD	mg/L	50	51	49	54	59				SM 5220C (SMicro)		7.3	10.0
Copper	ug/L	2.62	1.77	1.77	2.77	4.82			4.9	EPA 200.8	0.5	0.11 - 0.16	0.50
Cyanide	ug/L	5.00	6.43	DNQ Est. Conc. 4.34	5.34	9.04			19	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. 0.98		DNQ Est. Conc. 0.32	ND	DNQ Est. Conc. 1.8			4.4	EPA 625	10	0.16	10.0
Di-n-octyl phthalate	ug/L	ND		ND	ND	ND				EPA 625	10	0.16	10.0
Dibenzo(a,h)anthracene	ug/L	ND		ND	ND	ND				EPA 610	10	0.004	0.10
Dichlorobromomethane	ug/L	0.59		DNQ Est. Conc. 0.40	0.44	0.66			2	EPA 624	2	0.09 - 0.17	0.50
Dichloromethane	ug/L	1.2		1.1	1.7	3.0			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	2.0
Dimethyl phthalate	ug/L	ND		ND	ND	ND			1.9	EPA 625	2	0.19	2.0
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	0.12 - 0.18	0.50
Fluoranthene	ug/L	ND		ND	ND	ND			1.9	EPA 625	1	0.19	1.0
Fluorene	ug/L	ND		ND	ND	ND				EPA 625	10	0.18	10.0
gamma-hexachlorocyclohexane	ug/L	DNQ Est. Conc. 0.009		ND	ND	DNQ Est. Conc. 0.009				EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L	6.53	4.68	ND	3.41	6.53			6.3	EPA 900.0		1.58 - 4.71	1.58 - 4.71
Gross beta radioactivity	pCi/L	22.6	12.4	3.04	12.1	30.1			29	EPA 900.0		1.79 - 3.20	1.79 - 3.20
Heptachlor epoxide	ug/L	ND		ND	ND	ND			0.0033	EPA 608	0.01	0.001	0.01
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		EPA 625	1	0.18	1.0
Hexachlorobutadiene	ug/L	ND		ND	ND	ND			0.7	EPA 625	1	0.14	1.0
Hexachlorocyclopentadiene	ug/L	ND		ND	ND	ND			7.5	EPA 625	5	0.75	5.0
Hexachloroethane	ug/L	ND		ND	ND	ND			0.7	EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND		ND	ND	ND				EPA 610	10	0.004	0.10
Isophorone	ug/L	ND		ND	ND	ND			0.65	EPA 625	1	0.13	1.0
Lead	ug/L	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.08	ND	DNQ Est. Conc. 0.20			0.4	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.0023	0.0019	0.0019	0.0028	0.0033			0.04	EPA 1631E		0.00025 - 0.00061	0.00050 - 0.0010
Methyl-tert-butyl-ether	ug/L	1.2		1.0	1.5	2.1				EPA 624		0.12 - 0.21	0.50
n-Nitrosodi-n-propylamine	ug/L	ND	ND	ND	ND	ND			0.6	EPA1625(Mod.)/EPA 625	5	0.0058 - 0.12	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	ND	0.62	ND	0.12	0.62			0.7	EPA1625(Mod.)/EPA625	5	0.0025 - 0.14	0.010 - 5.0
n-Nitrosodiphenylamine	ug/L	ND		ND	ND	ND			0.75	EPA 625	1	0.15	1.0
Naphthalene	ug/L	ND		ND	ND	ND				EPA 625	1	0.18	1.0
Nickel	ug/L	6.69	6.30	4.42	7.53	12.1			13	EPA 200.8	1	0.12	1.00
Nitrate as Nitrogen	mg/L	0.12		ND	0.030	0.12				SM 4500 NO3 E		0.0100	0.100
Nitrite as Nitrogen	mg/L	0.06		0.04	0.07	0.10				SM 4500 NO2 B		0.00040	0.0125 - 0.0250
Nitrobenzene	ug/L	ND		ND	ND	ND			2.2	EPA 625	1	0.22	1.0
OctaCDD	pg/L	DNQ Est. Conc. 48		DNQ Est. Conc. 12	ND	DNQ Est. Conc. 48				EPA 1613B		0.27 - 1.1	100
OctaCDF	pg/L	DNQ Est. Conc. 8.5		ND	ND	DNQ Est. Conc. 11				EPA 1613B		0.26 - 0.95	100
Oil and grease	mg/L	ND	ND	ND	ND	ND	45	15		EPA 1664A		0.8 - 1.2	4.0 - 4.4
Organic nitrogen	mg/L	2.70		2.53	3.31	5.23				SM 4500 NH3 C			1.00

JWPCP
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Oxychlordane	ug/L		ND			ND			ND		
PCB-105	pg/L								DNQ Est. Conc. 16		
PCB-114	pg/L								ND		
PCB-118	pg/L								40		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-158	pg/L								DNQ Est. Conc. 3.3		
PCB-167	pg/L								DNQ Est. Conc. 2.6		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 5.5		
PCB-177	pg/L								DNQ Est. Conc. 3.6		
PCB-183	pg/L								DNQ Est. Conc. 3.6		
PCB-187	pg/L								DNQ Est. Conc. 7.5		
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. 31		
PCB-52	pg/L								DNQ Est. Conc. 91 (1)		
PCB-66	pg/L								DNQ Est. Conc. 28		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-99	pg/L								DNQ Est. Conc. 20		
PCB-18/30	pg/L								53 (1)		
PCB-20/28	pg/L								DNQ Est. Conc. 110 (1)		
PCB-44/47/65	pg/L								DNQ Est. Conc. 80 (1)		
PCB-49/69	pg/L								DNQ Est. Conc. 36		
PCB-61/70/74/76	pg/L								DNQ Est. Conc.76		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc.39		
PCB-90/101/113	pg/L								DNQ Est. Con. 57		
PCB-110/115	pg/L								DNQ Est. Conc. 62		
PCB-128/166	pg/L								DNQ Est. Conc. 4.4		
PCB-129/138/163	pg/L								DNQ Est. Conc. 35		
PCB-135/151	pg/L								DNQ Est. Conc. 10		
PCB-147/149	pg/L								DNQ Est. Conc. 25		
PCB-153/168	pg/L								DNQ Est. Conc. 26		
PCB-156/157	pg/L								DNQ Est. Conc. 4.8		
PCB-180/193	pg/L								DNQ Est. Conc. 14		
Pentachlorophenol	ug/L		ND			ND			ND		
Phenanthrene	ug/L		ND			ND			ND		
Phenol	ug/L		DNQ Est. Conc. 0.60			DNQ Est. Conc. 0.54			DNQ Est. Conc. 0.42		
pH	SU	7.2	7.3	7.3	7.3	7.2	7.2	7.3	7.3	7.3	7.3
Pyrene	ug/L		ND			ND			ND		
Selenium	ug/L	4.83	3.84	3.59	3.78	3.52	4.45	4.12	4.51	4.58	4.46
Settleable Solids	ml/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.01	DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.02
TCDD equivalents	pg/L		ND			ND			ND		
Temperature	Degrees F	77.4	78.1	79.2	80.8	81.8	83.8	86.3	87.3	86.7	85.2
Tetrachloroethylene	ug/L		0.54			ND			ND		
Thallium	ug/L		ND			ND			ND		
Toluene	ug/L		DNQ Est. Conc. 0.11			ND			ND		
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	13.5	12.1	11.6	12.7	11.8	12.9	11.4	11.8	11.8	12.1
Total PAH	ug/L		ND			ND			ND		
Total PCBs	ug/L		ND			ND			ND		
Total Phenolic Compounds (chlorinated)	ug/L		ND			ND			ND		
Total Phenolic Compounds (non-chlorinated)	ug/L		ND			ND			ND		
Total Phosphorus	mg/L		0.49			0.79			0.94		
Total Suspended Solids	mg/L	11	9.9	9.9	9.0	8.7	11	9.4	8.1	8.1	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	NTU	4.0	3.8	3.7	3.7	3.5	4.2	3.7	3.3	3.3	3.1
Vinyl Chloride	ug/L		ND			ND			ND		
Zinc	ug/L	11.8	11.6	7.68	7.85	12.1	11.4	7.46	16.4	11.2	10.9

(1) Compound was found in the blank and sample

JWPCP
2016 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit			Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
Oxychlordane	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
PCB-105	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16				EPA 1668		1.8	21
PCB-114	pg/L			ND	ND	ND				EPA 1668		1.8	21
PCB-118	pg/L			40	40	40				EPA 1668		1.8	21
PCB-123	pg/L			ND	ND	ND				EPA 1668		1.8	21
PCB-126	pg/L			ND	ND	ND				EPA 1668		2.0	21
PCB-158	pg/L			DNQ Est. Conc. 3.3	ND	DNQ Est. Conc. 3.3				EPA 1668		1.8	210
PCB-167	pg/L			DNQ Est. Conc. 2.6	ND	DNQ Est. Conc. 2.6				EPA 1668		1.2	21
PCB-169	pg/L			ND	ND	ND				EPA 1668		1.4	21
PCB-170	pg/L			DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 5.5				EPA 1668		0.82	210
PCB-177	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6				EPA 1668		0.78	210
PCB-183	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6				EPA 1668		0.55	210
PCB-187	pg/L			DNQ Est. Conc. 7.5	ND	DNQ Est. Conc. 7.5				EPA 1668		2.0	210
PCB-189	pg/L			ND	ND	ND				EPA 1668		3.1	21
PCB-194	pg/L			ND	ND	ND				EPA 1668		2.7	210
PCB-201	pg/L			ND	ND	ND				EPA 1668		0.86	210
PCB-206	pg/L			ND	ND	ND				EPA 1668		4.1	210
PCB-37	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31				EPA 1668		3.0	210
PCB-52	pg/L			DNQ Est. Conc. 91	ND	DNQ Est. Conc. 91				EPA 1668		0.94	210
PCB-66	pg/L			DNQ Est. Conc. 28	ND	DNQ Est. Conc. 28				EPA 1668		1.9	210
PCB-77	pg/L			ND	ND	ND				EPA 1668		2.2	21
PCB-81	pg/L			ND	ND	ND				EPA 1668		2.2	21
PCB-99	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20				EPA 1668		2.0	210
PCB-18/30	pg/L			53	53	53				EPA 1669		1.7	420
PCB-20/28	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110				EPA 1670		2.6	420
PCB-44/47/65	pg/L			DNQ Est. Conc. 80	ND	DNQ Est. Conc. 80				EPA 1671		0.87	630
PCB-49/69	pg/L			DNQ Est. Conc. 36	ND	DNQ Est. Conc. 36				EPA 1672		0.76	420
PCB-61/70/74/76	pg/L			DNQ Est. Conc.76	ND	DNQ Est. Conc.76				EPA 1673		1.8	840
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc.39	ND	DNQ Est. Conc.39				EPA 1674		2	1300
PCB-90/101/113	pg/L			DNQ Est. Con. 57	ND	DNQ Est. Con. 57				EPA 1675		2	630
PCB-110/115	pg/L			DNQ Est. Conc. 62	ND	DNQ Est. Conc. 62				EPA 1676		1.8	420
PCB-128/166	pg/L			DNQ Est. Conc. 4.4	ND	DNQ Est. Conc. 4.4				EPA 1677		2.2	420
PCB-129/138/163	pg/L			DNQ Est. Conc. 35	ND	DNQ Est. Conc. 35				EPA 1678		2.2	630
PCB-135/151	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10				EPA 1679		2.3	420
PCB-147/149	pg/L			DNQ Est. Conc. 25	ND	DNQ Est. Conc. 25				EPA 1680		2.2	420
PCB-153/168	pg/L			DNQ Est. Conc. 26	ND	DNQ Est. Conc. 26				EPA 1681		1.8	420
PCB-156/157	pg/L			DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 4.8				EPA 1682		1.6	42
PCB-180/193	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14				EPA 1683		0.65	420
Pentachlorophenol	ug/L	ND		ND	ND	ND				EPA 625	5	0.38	1.0
Phenanthrene	ug/L	ND		ND	ND	ND				EPA 625	5	0.19	5.0
Phenol	ug/L	DNQ Est. Conc. 0.36		DNQ Est. Conc. 0.36	ND	DNQ Est. Conc. 0.60				EPA 625	1	0.14	1.0
pH	SU	7.4	7.3	7.2	7.3	7.4				SM 4500 H+ B		1.00	4.00
Pyrene	ug/L	ND		ND	ND	ND				EPA 625	10	0.19	10.0
Selenium	ug/L	3.96	3.92	3.52	4.13	4.83			7.6	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. 0.03	DNQ Est. Conc. 0.08	ND	ND	DNQ Est. Conc. 0.08			0.2	EPA 200.8	0.25	0.01 - 0.02	0.20
TCDD equivalents	pg/L	ND		ND	ND	ND		0.65		EPA 1613B			
Temperature	Degrees F	82.9	79.1	77.4	82.4	87.3	100			EPA 170.1 (oF)			
Tetrachloroethylene	ug/L	DNQ Est. Conc. 0.26		ND	0.14	0.54			20	EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L	ND		ND	ND	ND			0.6	EPA 200.8	1	0.015	0.25
Toluene	ug/L	ND		ND	ND	DNQ Est. Conc. 0.11			0.5	EPA 624	2	0.06 - 0.19	0.50
Total Chlordanes	ug/L	ND		ND	ND	ND		0.0038		EPA 608			
Total DDT	ug/L	ND		ND	ND	ND		0.028	0.015	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	12.0	14.0	11.4	12.3	14.0				SM 5310C		0.05	5.00
Total PAH	ug/L	ND		ND	ND	ND			0.95	EPA 625			
Total PCBs	ug/L	ND		ND	ND	ND		0.0032		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	mg/L	0.64		0.49	0.72	0.94				SM4500P-E		0.00300	0.250
Total Suspended Solids	mg/L	7.1	8.1	7.1	9.0	11		30		SM 2540D		2.5	4.1 - 6.2
Toxaphene	ug/L	ND		ND	ND	ND		0.035		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		1.3	2.9
Trichloroethylene	ug/L	ND		ND	ND	ND			0.85	EPA 624	2	0.13 - 0.28	0.50
Turbidity	NTU	3.0	3.2	3.0	3.6	4.2		75		SM 2130B		0.0090 - 0.12	0.10 - 0.12
Vinyl Chloride	ug/L	ND		ND	ND	ND			1.3	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	12.4	7.89	7.46	10.7	16.4			37	EPA 200.8	1	0.60 - 0.66	1.00

(1) Compound was found in the blank and sample

JWPCP Biosolids Monitoring

WATER RECLAMATION
SOLID WASTE MANAGEMENT

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

February 21, 2017
File No. 98-50.1.5B SI

Mr. Samuel Unger, Executive Director
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th St., Suite 200
Los Angeles, CA 90013

Annual Biosolids Monitoring Report
Joint Water Pollution Control Plant, NPDES No. CA0053813

Enclosed is the Annual Monitoring Report for 2016 as required under 40 CFR Part 503.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Melissa Fischer
Printed Name of Person Signing

Supervising Engineer, Reuse and Compliance
Official Title

Signature

21Feb17
Date Signed

MF:MC:gs
Enclosures

cc: P. Kouyoudjian, CWQCB - Lahontan Region
P. Creedon, CRWQCB - Central Valley Region
Robert Phalen - ADEQ

DMS#4051692

Recycled Paper

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? *

Change 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 *
01-01-2016	12-31-2016

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., "Method for the Recovery and Assay of Total Culturable Viruses from 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)? *

116648

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	28848

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer 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 or Preparer 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): 002

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	13158

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer Information

NPDES ID (if known)

CAL000718

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 or Preparer Contact Information

First Name *

Chad

Last Name *

Buechel

Title *

Plant Manager

Phone (10-digits, No dashes) *

6617652200

Ext.

E-Mail Address *

cbuechel@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): 003

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	21699

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer Information

NPDES ID (if known)

CAL001064

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 or Preparer Contact Information

First Name *

Jeff

Last Name *

Ziegenbein

Title *

Project Manager

Phone (10-digits, No dashes) *

9099931981

Ext.

E-Mail Address *

jziegenb@ieua.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): 004

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	23510

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer Information

NPDES ID (if known)

CAL010500

Facility/Company Name *

Nursery Products Hawes Composting Facility

Address *

P.O. Box 1439

City *

Helendale

State *

California

Zip Code *

94342

Off-Site Third-Party Handler or Preparer Contact Information

First Name *

Chad

Last Name *

Buechel

Title *

Plant Manager

Phone (10-digits, No dashes) *

6613782515

Ext.

E-Mail Address *

cbuechel@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): 005

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	4976

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer Information

NPDES ID (if known)

CAL034318

Facility/Company Name *

Tulare Lake Compost Facility

Address *

34318 23rd Ave

City *

Kettleman City

State *

California

Zip Code *

93239

Off-Site Third-Party Handler or Preparer 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): 006

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Other Management Practice Detail Description: *

Disposal in an Industrial Landfill

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	12416

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

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer Information

NPDES ID (if known)

Facility/Company Name *

H. M. Holloway Landfill

Address *

13850 Holloway Road

City *

Lost Hills

State *

California

Zip Code *

93249

Off-Site Third-Party Handler or Preparer Contact Information

First Name *

Chad

Last Name *

Wright

Title *

Mine Superintendant

Phone (10-digits, No dashes) *

6613031383

Ext.

E-Mail Address *

cwright@hmhgypsum.com

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

◯ Yes ◉ No ◯ Unknown

SSUID Section

Sewage Sludge Unique Identifier (SSUID): 007

Management Practice Type *

Land Application

Handler or Preparer Type *

Off-Site Third-Party Handler or Preparer

Management Practice Detail *

Agricultural Land Applicaton

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *

Bulk

Pathogen Class *

Class B

Volume Amount (dry metric tons) *

12041

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer Information

NPDES ID (if known)

Facility/Company Name *

Denali Water Solutions, LLC

Address *

12812 Valley View St. #9

City *

Garden Grove

State *

California

Zip Code *

92845

Off-Site Third-Party Handler or Preparer 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)).

☒ Check when done with SSUID section. *

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.

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

January		February		March		April		May		June	
=	8.23	=	8.29	=	8.03	=	8.07	=	8.68	=	7.85

July		August		September		October		November		December	
=	7.34	=	8.00	=	7.41	=	7.92	=	7.63	=	7.47

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

January	February	March	April	May	June
= 4.7	= 4.2	= 4.3	= 5.1	= 4.5	= 5.2

July	August	September	October	November	December
= 4.6	= 7.3	= 5.0	= 4.1	= 4.3	= 4.6

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

January	February	March	April	May	June
= 311	= 326	= 350	= 334	= 322	= 312

July	August	September	October	November	December
= 350	= 352	= 314	= 335	= 315	= 324

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

January	February	March	April	May	June
= 13.1	= 14.8	= 14.8	= 15.6	= 14.8	= 14.7

July	August	September	October	November	December
= 15.4	= 17.3	= 15.9	= 17.2	= 16.8	= 16.3

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

January	February	March	April	May	June
= 0.77	= 1.20	= 0.97	= 0.94	= 0.95	= 0.92

July	August	September	October	November	December
= 0.65	= 0.79	= 0.77	= 0.74	= 1.04	= 0.84

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

January	February	March	April	May	June
= 20.9	= 21.6	= 23.2	= 27.0	= 25.2	= 24.9

July	August	September	October	November	December
= 28.1	= 27.9	= 25.5	= 28.3	= 30.5	= 25.7

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

January	February	March	April	May	June
= 36.5	= 48.0	= 48.9	= 46.9	= 44.7	= 40.4

July	August	September	October	November	December
= 36.7	= 39.0	= 36.2	= 38.3	= 37.3	= 33.8

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

January	February	March	April	May	June
= 55100	= 58600	= 55600	= 53400	= 52800	= 54100

July	August	September	October	November	December
= 56400	= 55400	= 53000	= 56100	= 58400	= 54800

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

January	February	March	April	May	June
= 22.4	= 23.0	= 23.5	= 22.8	= 23.2	= 24.1

July	August	September	October	November	December
= 27.4	= 29.2	= 25.0	= 24.9	= 24.4	= 32.2

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

January	February	March	April	May	June
= 757	= 786	= 786	= 860	= 814	= 754

July	August	September	October	November	December
= 809	= 817	= 738	= 785	= 803	= 797

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

January	February	March	April	May	June
= 8.23	= 8.29	= 8.03	= 8.07	= 8.68	= 7.85

July	August	September	October	November	December
= 7.34	= 8.00	= 7.41	= 7.92	= 7.63	= 7.47

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

January	February	March	April	May	June
= 4.7	= 4.2	= 4.3	= 5.1	= 4.5	= 5.2

July	August	September	October	November	December
= 4.6	= 7.3	= 5.0	= 4.1	= 4.3	= 4.6

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

January	February	March	April	May	June
= 311	= 326	= 350	= 334	= 322	= 312

July	August	September	October	November	December
= 350	= 352	= 314	= 335	= 315	= 324

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

January	February	March	April	May	June
= 13.1	= 14.8	= 14.8	= 15.6	= 14.8	= 14.7

July	August	September	October	November	December
= 15.4	= 17.3	= 15.9	= 17.2	= 16.8	= 16.9

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

January	February	March	April	May	June
= 0.77	= 1.20	= 0.97	= 0.94	= 0.95	= 0.92

July	August	September	October	November	December
= 0.65	= 0.79	= 0.77	= 0.74	= 1.04	= 0.84

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

January	February	March	April	May	June
= 36.5	= 48.0	= 48.9	= 46.9	= 44.7	= 40.4

July	August	September	October	November	December
= 36.7	= 39.0	= 36.2	= 38.3	= 37.3	= 33.8

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

January	February	March	April	May	June
= 22.4	= 23.0	= 23.5	= 22.8	= 23.2	= 24.1

July	August	September	October	November	December
= 27.4	= 29.2	= 25.0	= 24.9	= 24.4	= 32.2

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

January	February	March	April	May	June
= 757	= 786	= 786	= 860	= 814	= 754

July	August	September	October	November	December
= 809	= 817	= 738	= 785	= 803	= 797

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

January	February	March	April	May	June
= 53	= 54	= 53	= 52	= 51	= 53

July	August	September	October	November	December
= 50	= 49	= 51	= 50	= 51	= 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 Loadings are plant values.
3. Data entered for Monthly Average Pollutant Concentrations are plant values.
4. Reported biosolids volumes are based on those leaving the facility and may differ from Preparers' reported volumes.

Additional Attachments

File: 2016 Denali Water Solutions Annual Report.doc

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 *
mfischer@lacsd.org	Approve

2016 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
16010600165	1/5/2016	28.7	8.23	4.7	57.1	311	13.1	0.77	20.9 [A]	36.5	22.4 [A]	757	7,050
16020300210	2/2/2016	28.1	8.29	4.2	69.6	326	14.8	1.20	21.6	48.0	23.0	786	-
16030200228	3/1/2016	28.3	8.03	4.3	71.2	350	14.8	0.97	23.2	48.9	23.5	786	-
16040600207	4/5/2016	28.6	8.07	5.1	62.8	334	15.6	0.94	27.0	46.9	22.8	860	7,760
16050400192	5/3/2016	28.2	8.68	4.5	57.8	322	14.8	0.95	25.2	44.7	23.2	814	-
16060800193	6/7/2016	28.1	7.85	5.2	51.9	312	14.7	0.92	24.9	40.4	24.1	754	-
16070600174	7/5/2016	28.5	7.34	4.6	52.6	350	15.4	0.65	28.1	36.7	27.4	809	7,470
16080300191	8/2/2016	28.2	8.00	7.3	54.9	352	17.3	0.79	27.9	39.0	29.2	817	-
16090700150	9/6/2016	28.7	7.41	5.0	49.7	314	15.9	0.77	25.5	36.2	25.0	738	-
16100500131	10/4/2016	28.6	7.92	4.1	49.0	335	17.2	0.74	28.3	38.3	24.9	785	7,350
16110200039	11/1/2016	28.2	7.63	4.3	51.4	315	16.8	1.04	30.5	37.3	24.4	803	-
16120800127	12/7/2016	28.2	7.47	4.6	53.6	324	16.3	0.84	25.7	33.8	32.2	797	-
MEAN		**28.4**	**7.91**	**4.8**	**56.8**	**329**	**15.6**	**0.88**	**25.7**	**40.6**	**25.2**	**792**	**7,410**
MAX			**8.68**	**7.3**	**71.2**	**352**	**17.3**	**1.20**	**30.5**	**48.9**	**32.2**	**860**	**7,760**
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
16010600165	1/5/2016	28.7	2.8	1,350 [A]	0.068 [A]	6.25	84,800	259	852 [A]	4.22 [A]	< 0.10 [A]	41.5	59.9
16020300210	2/2/2016	28.1	-	-	-	-	-	-	-	-	-	-	-
16030200228	3/1/2016	28.3	-	-	-	-	-	-	-	-	-	-	-
16040600207	4/5/2016	28.6	3.4	1,260	0.066	7.86	85,900	238	932	5.87	< 0.10	46.2	64.9
16050400192	5/3/2016	28.2	-	-	-	-	-	-	-	-	-	-	-
16060800193	6/7/2016	28.1	-	-	-	-	-	-	-	-	-	-	-
16070600174	7/5/2016	28.5	3.0	1,070	0.069	5.89	93,700	233	1,000	4.21	< 0.10	40.4	45.3
16080300191	8/2/2016	28.2	-	-	-	-	-	-	-	-	-	-	-
16090700150	9/6/2016	28.7	-	-	-	-	-	-	-	-	-	-	-
16100500131	10/4/2016	28.6	2.9	1,100	0.073	6.22	94,500	250	1,020	4.14	< 0.10	46.5	51.3
16110200039	11/1/2016	28.2	-	-	-	-	-	-	-	-	-	-	-
16120800127	12/7/2016	28.2	-	-	-	-	-	-	-	-	-	-	-
MEAN		**28.4**	**3.0**	**1,195**	**0.069**	**6.56**	**89,700**	**245**	**951**	**4.61**	**ND**	**43.7**	**55.4**
MAX			**3.4**	**1,350**	**0.073**	**7.86**	**94,500**	**259**	**1,020**	**5.87**	**ND**	**46.5**	**64.9**

\ = No limit
ND = Not Detected
-- = No Sample
Statistics use detected values only
A = Lab ID: 16010600164

2016 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
16010600165	1/5/2016	28.7	33,900	77,700	5,990	49,100	< 139 [A]	5.08 [A]	23.0	< 1.0	8.1
16020300210	2/2/2016	28.1	32,700	-	5,720	52,900	< 142	5.66	-	-	-
16030200228	3/1/2016	28.3	28,400	-	6,200	49,400	< 141	4.47	-	-	-
16040600207	4/5/2016	28.6	28,500	84,500	6,020	47,400	< 140	4.97	23.8	< 1.0	7.9
16050400192	5/3/2016	28.2	33,600	-	5,820	47,000	< 141	4.91	-	-	-
16060800193	6/7/2016	28.1	34,400	-	6,160	47,900	< 142	3.96	-	-	-
16070600174	7/5/2016	28.5	33,800	72,900	4,690	51,700	< 140	5.46	22.6	< 1.0	8.0
16080300191	8/2/2016	28.2	34,900	-	6,360	49,000	< 142	4.19	-	-	-
16090700150	9/6/2016	28.7	35,800	-	7,420	45,600	< 139	3.48	-	-	-
16100500131	10/4/2016	28.6	36,300	81,400	7,830	48,300	< 137	< 3.44	34.4	< 1.0	7.9
16110200039	11/1/2016	28.2	36,600	-	6,710	51,700	< 142	4.81	-	-	-
16120800127	12/7/2016	28.2	34,000	-	5,020	49,800	< 141	< 3.54	-	-	-
MEAN		**28.4**	**33,600**	**79,100**	**6,160**	**49,200**	**ND**	**4.70**	**26.0**	**ND**	**8.0**
MAX			**36,600**	**84,500**	**7,830**	**52,900**	**ND**	**5.66**	**34.4**	**ND**	**8.1**

ND = Not Detected
- = No Sample
Statistics use detected values only.
A = Lab ID: 16010600164

2016 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
16010600165	1/5/2016	197	0.04	0.11 [A]	50.6 [A]	< 0.010	< 0.005	0.99	0.11	< 0.10	2,870
16040600209	4/5/2016	183	0.05	0.13	27.3	< 0.010	< 0.005	1.04	0.131	< 0.10	2,440
16070600177	7/5/2016	169	0.04	0.09	22.7	< 0.010	< 0.005	0.803	0.086	< 0.10	2,310
16100500134	10/4/2016	151	0.05	0.12	22.3	< 0.010	< 0.005	0.785	0.095	< 0.10	2,390
MEAN		**175**	**0.05**	**0.11**	**30.7**	**ND**	**ND**	**0.90**	**0.10**	**ND**	**2,500**
MAX		**197**	**0.05**	**0.13**	**50.6**	**ND**	**ND**	**1.04**	**0.13**	**ND**	**2,870**
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
16010600165	1/5/2016	0.03	< 0.0005	0.241	< 1.00 [A]	< 50.0	0.03 [A]	< 0.02 [A]	< 0.04 [A]	< 0.04 [A]	1.32	19.8
16040600209	4/5/2016	0.04	< 0.0005	0.308	< 1.00	< 50.0	0.02	< 0.02	< 0.04	< 0.04	1.35	10.0
16070600177	7/5/2016	0.02	< 0.0005	0.318	< 1.00	< 50.0	0.03	< 0.02	< 0.04	< 0.04	0.861	7.98
16100500134	10/4/2016	0.02	< 0.0005	0.335	< 1.00	< 50.0	0.03	< 0.02	< 0.04	< 0.04	1.07	7.93
MEAN		**0.03**	**ND**	**0.301**	**ND**	**ND**	**0.03**	**ND**	**ND**	**ND**	**1.15**	**11**
MAX		**0.04**	**ND**	**0.335**	**ND**	**ND**	**0.03**	**ND**	**ND**	**ND**	**1.35**	**20**
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.
A = Lab ID: 16010600164

2016 BIOSOLIDS MANAGEMENT PROGRAM

JWPCP Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)
January	96.1	19	53
February	96.1	20	54
March	96.2	20	53
April	96.1	19	52
May	96.1	19	51
June	96.2	19	53
July	96.3	19	50
August	96.1	18	49
September	96.1	19	51
October	96.0	19	50
November	96.0	19	51
December	96.0	19	53
MEAN	**96.1**	**19**	**52**
MIN	**96.0**	**18**	**49**

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

Date	1/5/16	7/5/16
Sample Numbers	16010600164	16070600174
	16010600165	16070600175
Constituent	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	8.23	7.34
Cadmium	4.7	4.6
Chromium	57.1	52.6
Copper	311	350
Lead	13.1	15.4
Mercury	0.77	0.65
Nickel	36.5	36.7
Selenium	22.4	27.4
Silver	4.22	4.21
Zinc	757	809
Antimony	2.79	3.0
Cyanide	1.56	6.42
Beryllium	0.068	0.069
PP'-DDE	0.032	N/D
Toluene	0.011	N/D
Diethylhexyl Phthalate	57.5	36.5
Methylene Chloride	0.016	N/D

JWPCP BIOSOLIDS CAKE
2016 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	16010600164	16070600174	
	16010600165	16070600177	
	16010600167	16070600178	
	16010600168		
Sample Date:	**1/5/2016**	**7/5/2016**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
PH	8.1	8.0	PH
TOTAL SOLIDS	28.7	28.5	%
TOTAL CYANIDE	1.56	6.42	MG/KG CN
ARSENIC	8.23	7.34	MG/KG AS
CADMIUM	4.7	4.6	MG/KG CD
TOTAL CHROMIUM	57.1	52.6	MG/KG CR
COPPER	311	350	MG/KG CU
LEAD	13.1	15.4	MG/KG PB
MERCURY	0.77	0.65	MG/KG HG
NICKEL	36.5	36.7	MG/KG NI
SELENIUM	22.4	27.4	MG/KG SE
SILVER	4.22	4.21	MG/KG AG
ZINC	757	809	MG/KG ZN
ANTIMONY	2.79	3.00	MG/KG SB
BERYLLIUM	0.068	0.069	MG/KG BE
THALLIUM	< 0.10	< 0.10	MG/KG TL
BARIUM	1,350	1,070	MG/KG BA
ALUMINUM	7,050	7,470	MG/KG AL
COBALT	6.25	5.89	MG/KG CO
IRON	84,800	93,700	MG/KG FE
MANGANESE	259	233	MG/KG MN
POTASSIUM	852	1,000	MG/KG K
MOLYBDENUM	20.9	28.1	MG/KG MO
TIN	41.5	40.4	MG/KG SN
VANADIUM	59.9	45.3	MG/KG V
PP'-DDE	0.032	< 0.025	MG/KG
PP'-DDD	< 0.025	< 0.025	MG/KG
PP'-DDT	< 0.025	< 0.025	MG/KG
ALPHA-BHC	< 0.025	< 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	< 35.1	< 35.4	MG/KG
CHLOROFORM	< 0.0097	< 0.034	MG/KG
1,1,1-TRICHLOROETHANE	< 0.0097	< 0.034	MG/KG
CARBON TETRACHLORIDE	< 0.0097	< 0.034	MG/KG

JWPCP BIOSOLIDS CAKE
2016 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	16010600164	16070600174	
	16010600165	16070600177	
	16010600167	16070600178	
	16010600168		
Sample Date:	**1/5/2016**	**7/5/2016**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
TRICHLOROETHYLENE	< 0.0097	< 0.034	MG/KG
TETRACHLOROETHYLENE	< 0.0097	< 0.034	MG/KG
CHLOROBENZENE	< 0.0097	< 0.034	MG/KG
VINYL CHLORIDE	< 0.0097	< 0.034	MG/KG
1,1,2-TRICHLOROETHANE	< 0.0097	< 0.034	MG/KG
1,2-DICHLOROETHANE	< 0.0097	< 0.034	MG/KG
TOLUENE	0.011	< 0.034	MG/KG
ETHYL BENZENE	< 0.0097	< 0.034	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.0097	< 0.034	MG/KG
BROMOMETHANE	< 0.0097	< 0.034	MG/KG
CHLOROETHANE	< 0.0097	< 0.034	MG/KG
2-CHLOROETHYLVINYLETHER	< 0.0097	< 0.034	MG/KG
1,2-DICHLOROPROPANE	< 0.0097	< 0.034	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.0097	< 0.034	MG/KG
ACROLEIN	< 0.0097	< 0.034	MG/KG
ACRYLONITRILE	< 0.0097	< 0.034	MG/KG
ACENAPHTHENE	< 35.1	< 35.4	MG/KG
ACENAPHTHYLENE	< 35.1	< 35.4	MG/KG
ANTHRACENE	< 35.1	< 35.4	MG/KG
BENZIDINE	< 175	< 177	MG/KG
BENZO(A)ANTHRACENE	< 35.1	< 35.4	MG/KG
BENZO(A)PYRENE	< 35.1	< 35.4	MG/KG
BENZO(B)FLUORANTHENE	< 35.1	< 35.4	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 35.1	< 35.4	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 35.1	< 35.4	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 35.1	< 35.4	MG/KG
DIETHYLHEXYL PHTHALATE	57.5	36.5	MG/KG
BUTYLBENZYL PHTHALATE	< 35.1	< 35.4	MG/KG
2-CHLORONAPHTHALENE	< 35.1	< 35.4	MG/KG
CHRYSENE	< 35.1	< 35.4	MG/KG
DIBENZO(A,H)ANTHRACENE	< 35.1	< 35.4	MG/KG
1,2-DICHLOROBENZENE	< 35.1	< 35.4	MG/KG
1,3-DICHLOROBENZENE	< 35.1	< 35.4	MG/KG
1,4-DICHLOROBENZENE	< 35.1	< 35.4	MG/KG
3,3'-DICHLOROBENZIDINE	< 70.1	< 70.8	MG/KG
DIETHYL PHTHALATE	< 35.1	< 35.4	MG/KG
METHYLENE CHLORIDE	0.016	< 0.034	MG/KG
DI-N-BUTYL PHTHALATE	< 35.1	< 35.4	MG/KG
2,4-DINITROTOLUENE	< 35.1	< 35.4	MG/KG
DI-N-OCTYL PHTHALATE	< 35.1	< 35.4	MG/KG
1,2-DIPHENYLHYDRAZINE	< 35.1	< 35.4	MG/KG
FLUORANTHENE	< 35.1	< 35.4	MG/KG
FLUORENE	< 35.1	< 35.4	MG/KG
HEXACHLOROBENZENE	< 35.1	< 35.4	MG/KG
HEXACHLOROBUTADIENE	< 35.1	< 35.4	MG/KG
HEXACHLOROETHANE	< 35.1	< 35.4	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 35.1	< 35.4	MG/KG
ISOPHORONE	< 35.1	< 35.4	MG/KG
NAPHTHALENE	< 35.1	< 35.4	MG/KG
NITROBENZENE	< 35.1	< 35.4	MG/KG
DIMETHYL PHTHALATE	< 35.1	< 35.4	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 35.1	< 35.4	MG/KG
PHENANTHRENE	< 35.1	< 35.4	MG/KG

JWPCP BIOSOLIDS CAKE
2016 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	16010600164	16070600174	
	16010600165	16070600177	
	16010600167	16070600178	
	16010600168		
Sample Date:	**1/5/2016**	**7/5/2016**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
PYRENE	< 35.1	< 35.4	MG/KG
2,3,7,8-TCDD	< 6.6	< 7.1	NG/KG
2-CHLOROPHENOL	< 35.1	< 35.4	MG/KG
1,2,4-TRICHLOROBENZENE	< 35.1	< 35.4	MG/KG
2,4-DICHLOROPHENOL	< 35.1	< 35.4	MG/KG
4-CHLORO-3-METHYLPHENOL	< 35.1	< 35.4	MG/KG
2,4-DINITROPHENOL	< 70.1	< 70.8	MG/KG
2-NITROPHENOL	< 35.1	< 35.4	MG/KG
4-NITROPHENOL	< 70.1	< 70.8	MG/KG
PENTACHLOROPHENOL	< 70.1	< 70.8	MG/KG
PHENOL	< 35.1	< 35.4	MG/KG
2,4,6-TRICHLOROPHENOL	< 35.1	< 35.4	MG/KG
N-NITROSODIPHENYLAMINE	< 35.1	< 35.4	MG/KG
O-CRESOL	< 70.1	< 70.8	MG/KG
M+P CRESOL	< 70.1	< 70.8	MG/KG
MALATHION	< 1.600	< 6.200	MG/KG
OP'-DDE	< 0.025	< 0.025	MG/KG
OP'-DDD	0.030	< 0.025	MG/KG
OP'-DDT	< 0.025	< 0.025	MG/KG
METHOXYCLOR	< 0.025	< 0.025	MG/KG
2,4-D(ACID)	< 5.6	< 6.0	MG/KG
2,4,5-TP(SILVEX)	< 5.6	< 6.0	MG/KG
TECHNICAL CHLORDANE	< 0.150	< 0.150	MG/KG
TOTAL DETECTED PESTICIDES	0.062	ND	MG/KG
MIREX	< 0.025	< 0.025	MG/KG
1,1-DICHLOROETHENE	< 0.0097	< 0.034	MG/KG
BROMODICHLOROMETHANE	< 0.0097	< 0.034	MG/KG
DIBROMOCHLOROMETHANE	< 0.0097	< 0.034	MG/KG
BROMOFORM	< 0.0097	< 0.034	MG/KG
O-DICHLOROBENZENE	< 0.0097	< 0.034	MG/KG
M-DICHLOROBENZENE	< 0.0097	< 0.034	MG/KG
P-DICHLOROBENZENE	< 0.0097	< 0.034	MG/KG
1,1-DICHLOROETHANE	< 0.0097	< 0.034	MG/KG
BENZENE	< 0.0097	< 0.034	MG/KG
CHLOROMETHANE	< 0.0097	< 0.034	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.0097	< 0.034	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.0097	< 0.034	MG/KG
FREON 12	< 0.0097	< 0.034	MG/KG
FREON 11	< 0.0097	< 0.034	MG/KG
BENZO(G.H.I.)PERYLENE	< 35.1	< 35.4	MG/KG
BENZO(K)FLUORANTHENE	< 35.1	< 35.4	MG/KG
4-BROMOPHENYL PHENYLETHER	< 35.1	< 35.4	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 35.1	< 35.4	MG/KG
2,6-DINITROTOLUENE	< 35.1	< 35.4	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 70.1	< 70.8	MG/KG
2-METHYL-4,6DINITROPHENOL	< 35.1	< 35.4	MG/KG
2,4-DIMETHYLPHENOL	< 35.1	< 35.4	MG/KG
PYRIDINE	< 35.1	< 35.4	MG/KG

ND = None Detected

Lancaster WRP Influent Monitoring

Lancaster Water Reclamation Plant
2016 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	0.174									
Ammonia as nitrogen	mg/L	35.5			35.4		32.7	29.9			32.4
Anthracene	ug/L	ND									
Antimony	mg/L	0.00056									
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	0.00355									

Lancaster Water Reclamation Plant
2016 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	0.20	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	0.12	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	3.5	50.0
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.18	100
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.11	50.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.36	20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	2.0	50.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.22	50.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.17	100
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.12	50.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.22	10.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	0.66	50.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.28	50.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.33	50.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.3	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
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.38	10.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.22	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-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Aluminum	mg/L			0.174	0.174	0.174	EPA 200.8		0.00195	0.0100
Ammonia as nitrogen	mg/L			29.9	33.2	35.5	SM 4500 NH3 G		0.020	3.00 - 4.00
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.16	100
Antimony	mg/L			0.00056	0.00056	0.00056	EPA 200.8	0.0005	0.00032	0.00050
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	mg/L			0.00355	0.00355	0.00355	EPA 200.8	0.002	0.00014	0.00100

Lancaster Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Barium	mg/L	0.0526									
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									
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. 7.6									
Bromodichloromethane	ug/L	ND									
Bromoform	ug/L	ND									
Butyl benzyl phthalate	ug/L	ND									
Cadmium	mg/L	DNQ Est. Conc. 0.000080									
Calcium	mg/L	60.5									
Carbon tetrachloride	ug/L	ND									
Chemical oxygen demand (COD)	mg/L	793	643	667	750	674	704	861	816	642	701
Chloride	mg/L	107			121				89.1		161
Chlorobenzene	ug/L	ND									
Chlorodibromomethane	ug/L	ND									
Chloroethane	ug/L	ND									
Chloroform	ug/L	3.4									
Chromium VI	mg/L	0.00012									
Chromium, total	mg/L	0.00357									
Chrysene	ug/L	ND									
cis-1,3-Dichloropropene	ug/L	ND									
Cobalt	mg/L	DNQ Est. Conc. 0.00015									
Copper	mg/L	0.0263									
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	1.0									
Dichloroacetic acid	ug/L	5.5									
Dieldrin	ug/L	ND									
Diesel range organics	ug/L	4310									
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.7									
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									

Lancaster Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Barium	mg/L			0.0526	0.0526	0.0526	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	1.6	50.0
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	0.12	50.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	100
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.14	100
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.13	50.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.22	100
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	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.50	50.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 7.6	ND	DNQ Est. Conc. 7.6	EPA 625	5	0.17	20.0
Bromodichloromethane	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
Bromoform	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.10	100
Cadmium	mg/L			DNQ Est. Conc. 0.000080	ND	DNQ Est. Conc. 0.000080	EPA 200.8	0.00025	0.000031	0.00020
Calcium	mg/L			60.5	60.5	60.5	EPA 200.8		0.004	0.40
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Chemical oxygen demand (COD)	mg/L	682	790	642	727	861	SM 5220D (std)		8.5	25.0 - 100
Chloride	mg/L			89.1	120	161	EPA 300.0		0.050 - 0.290	4.00 - 8.00
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L			ND	ND	ND	EPA 624	2	0.14	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.22	0.50
Chloroform	ug/L			3.4	3.4	3.4	EPA 624	2	0.18	0.50
Chromium VI	mg/L			0.00012	0.00012	0.00012	EPA 218.6 (Dissolved)		0.00001	0.00005
Chromium, total	mg/L			0.00357	0.00357	0.00357	EPA 200.8	0.0005	0.00011	0.00050
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.13	100
cis-1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624		0.07	0.50
Cobalt	mg/L			DNQ Est. Conc. 0.00015	ND	DNQ Est. Conc. 0.00015	EPA 200.8		0.00001	0.00025
Copper	mg/L			0.0263	0.0263	0.0263	EPA 200.8	0.0005	0.00011	0.00050
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	0.10	100
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	100
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.14	100
Dibromoacetic acid	ug/L			1.0	1.0	1.0	EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L			5.5	5.5	5.5	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			4310	4310	4310	SW8015 Diesel/Oil Organics		33	500
Diethyl phthalate	ug/L			DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7	EPA 625	2	0.27	20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.26	20.0
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	0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.10	10.0

Lancaster Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Fluorene	ug/L	ND									
gamma-BHC (Lindane)	ug/L	ND									
Gasoline range organics	ug/L	ND									
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	0.18									
Isophorone	ug/L	ND									
Lead	mg/L	0.00048									
m+p-Xylenes	ug/L	ND									
Magnesium	mg/L	9.0									
Manganese	mg/L	0.0162									
Mercury	mg/L	DNQ Est. Conc. 0.00003									
Methyl bromide (Bromomethane)	ug/L	ND									
Methyl chloride (Chloromethane)	ug/L	ND									
Methyl tert-butyl ether (MTBE)	ug/L	ND									
Methylene chloride	ug/L	DNQ Est. Conc. 0.38									
Molybdenum	mg/L	0.00422									
Monobromoacetic acid	ug/L	ND									
Monochloroacetic acid	ug/L	ND									
n-Nitrosodi-n-propylamine	ug/L	ND									
n-Nitrosodimethylamine (NDMA)	ug/L	0.23									
n-Nitrosodiphenylamine	ug/L	ND									
Naphthalene	ug/L	ND									
Nickel	mg/L	0.00157									
Nitrate as nitrogen	mg/L	ND			ND		ND	ND			ND
Nitrite as nitrogen	mg/L	ND			ND		ND	ND			ND
Nitrobenzene	ug/L	ND									
o-Xylene	ug/L	ND									
Oil range organics	ug/L	ND									
Pentachlorophenol	ug/L	ND									
Phenanthrene	ug/L	ND									
Phenols	ug/L	65									
Phenol	ug/L	33.5									
pH	SU	7.6	7.8	7.5	7.7	7.4	7.5	7.6	7.6	7.6	7.7
Potassium	mg/L	14.9									
Pyrene	ug/L	ND									
Selenium	mg/L	0.00151									
Silver	mg/L	DNQ Est. Conc. 0.00013									
Sodium	mg/L	107									
Sulfate	mg/L	65.0									
Surfactant (MBAS)	mg/L	10.2			10.8		10.9	11.5			8.81
Technical Chlordane	ug/L	ND									
Tetrachloroethene	ug/L	ND									
Thallium	mg/L	ND									

Lancaster Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.30	100
gamma-BHC (Lindane)	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.01
Gasoline range organics	ug/L			ND	ND	ND	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	0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.11	10.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.33	10.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.52	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	0.13	100
Iron	mg/L			0.18	0.18	0.18	EPA 200.8		0.003	0.020
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.25	10.0
Lead	mg/L			0.00048	0.00048	0.00048	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			9.0	9.0	9.0	EPA 200.8		0.001	0.020
Manganese	mg/L			0.0162	0.0162	0.0162	EPA 200.8		0.00003	0.00100
Mercury	mg/L			DNQ Est. Conc. 0.00003	ND	DNQ Est. Conc. 0.00003	EPA 245.1	0.0005	0.000004	0.00004
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND	EPA 624		0.12	0.50
Methylene chloride	ug/L			DNQ Est. Conc. 0.38	ND	DNQ Est. Conc. 0.38	EPA 624	2	0.18	0.50
Molybdenum	mg/L			0.00422	0.00422	0.00422	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 1625 (Modified) & EPA 625		0.0007 - 0.19	0.010 - 50.0
n-Nitrosodimethylamine (NDMA)	ug/L			0.23	0.23	0.23	EPA 1625 (Modified)	5	0.0003	0.010
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.23	10.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.15	10.0
Nickel	mg/L			0.00157	0.00157	0.00157	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	0.13	10.0
o-Xylene	ug/L			ND	ND	ND	EPA 624		0.12	0.50
Oil range organics	ug/L			ND	ND	ND	SW8015 Diesel/Oil Organics		26	2500
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.64	10.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.11	50.0
Phenols	ug/L			65	65	65	EPA 420.1		2	30
Phenol	ug/L			33.5	33.5	33.5	EPA 625	1	0.10	10.0
pH	SU	7.8	7.6	7.4	7.6	7.8	SM 4500 H+ B		1.00	4.00
Potassium	mg/L			14.9	14.9	14.9	EPA 200.8		0.007	0.20
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.27	100
Selenium	mg/L			0.00151	0.00151	0.00151	EPA 200.8	0.002	0.00004	0.00100
Silver	mg/L			DNQ Est. Conc. 0.00013	ND	DNQ Est. Conc. 0.00013	EPA 200.8	0.00025	0.00002	0.00020
Sodium	mg/L			107	107	107	EPA 200.8		0.004	4.0
Sulfate	mg/L			65.0	65.0	65.0	EPA 300.0		0.110	1.00
Surfactant (MBAS)	mg/L			8.81	10.4	11.5	SM 5540C		0.03	2.00 - 4.00
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	mg/L			ND	ND	ND	EPA 200.8	0.001	0.000015	0.00025

Lancaster Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Toluene	ug/L	0.96									
Total BOD	mg/L	314	268	245	241	311	351	367	262	209	265
Total Carbonaceous BOD5	mg/L	292	212	175	212	230	216	341	262	170	176
Total cyanide	ug/L	DNQ Est. Conc. 2.5									
Total dissolved solids	mg/L	537									
Total Kjeldahl Nitrogen (TKN)	mg/L	48.5			65.0		54.5	44.5			37.5
Total organic carbon	ug/L	53200			43600				40000		14200
Total Petroleum Hydrocarbons	ug/L	4310									
Total Suspended Solids	mg/L	369	297	286	323	386	282	405	460	277	305
Total Trihalomethanes	ug/l	3.4									
Toxaphene	ug/L	ND									
trans-1,2-Dichloroethene	ug/L	ND									
trans-1,3-Dichloropropene	ug/L	ND									
Trichloroacetic acid	ug/L	4.5									
Trichloroethene	ug/L	ND									
Vanadium	mg/L	0.00724									
Vinyl chloride	ug/L	ND									
Zinc	mg/L	0.120									

Lancaster Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Toluene	ug/L			0.96	0.96	0.96	EPA 624	2	0.19	0.50
Total BOD	mg/L	284	235	209	279	367	SM 5210B		0.6	85.7 - 120
Total Carbonaceous BOD5	mg/L	216	189	170	224	341	SM 5210B		0.6	86 - 120
Total cyanide	ug/L			DNQ Est. Conc. 2.5	ND	DNQ Est. Conc. 2.5	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			537	537	537	SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L			37.5	50.0	65.0	EPA 351.2		0.135	5.00 - 10.0
Total organic carbon	ug/L			14200	37750	53200	SM 5310C		50	12500
Total Petroleum Hydrocarbons	ug/L			4310	4310	4310	SW-846 8015B			0.050
Total Suspended Solids	mg/L	300	297	277	332	460	SM 2540D		2.5	50.0 - 100
Total Trihalomethanes	ug/l			3.4	3.4	3.4	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
trans-1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624		0.17	0.50
Trichloroacetic acid	ug/L			4.5	4.5	4.5	EPA 552.2		0.22	1.0
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Vanadium	mg/L			0.00724	0.00724	0.00724	EPA 200.8		0.00007	0.00100
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.20	0.50
Zinc	mg/L			0.120	0.120	0.120	EPA 200.8	0.001	0.00060	0.00100

Lancaster WRP Effluent Monitoring

Lancaster Water Reclamation Plant
2016 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	0.0151							ND		
Ammonia as nitrogen	mg/L	1.63	1.49	1.82	1.88	1.94	2.00	1.29	1.67	1.40	1.34
Anthracene	ug/L	ND							ND		
Antimony	mg/L	DNQ Est. Conc. 0.00048							0.00063		
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		

Lancaster Water Reclamation Plant
2016 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	0.20	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 - 0.20	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
1,4-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	0.12 - 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 - 3.5	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,7,8-TCDD	ug/L			ND	ND	ND			EPA 1613B		0.00000019 - 0.00000084	0.000010 - 0.000011
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3 - 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 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	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-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Aluminum	mg/L			ND	0.00755	0.0151			EPA 200.8		0.00195	0.0100
Ammonia as nitrogen	mg/L		1.77	1.29	1.66	2.00		(1)	SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	mg/L			DNQ Est. Conc. 0.00048	0.00032	0.00063			EPA 200.8	0.0005	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

Lancaster Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Arsenic	mg/L	0.00193							0.00124		
Barium	mg/L	0.0238							0.0172		
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	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			3.9				5.6		7.4
Bromoform	ug/L	ND			ND				ND		DNQ Est. Conc. 0.25
Butyl benzyl phthalate	ug/L	ND							ND		
Cadmium	mg/L	ND							ND		
Calcium	mg/L	51.5			45.9				31.3		45.5
Carbon tetrachloride	ug/L	ND							ND		
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	122			120				121		147
Chlorobenzene	ug/L	ND							ND		
Chlorodibromomethane	ug/L	0.85			0.58				0.87		1.5
Chloroethane	ug/L	ND							ND		
Chloroform	ug/L	13.6			12.4				18.3		15.3
Chromium VI	mg/L	0.00005							0.00006		
Chromium, total	mg/L	0.00100							0.00074		
Chrysene	ug/L	ND							ND		
cis-1,3-Dichloropropene	ug/L	ND							ND		
Cobalt	mg/L	DNQ Est. Conc. 0.00012							DNQ Est. Conc. 0.00014		
Copper	mg/L	0.00173							0.00245		
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	8.2			12				20		14
Dieldrin	ug/L		ND						ND		
Diesel range organics	ug/L	107									
Diethyl phthalate	ug/L	ND							ND		
Dimethyl phthalate	ug/L	ND							ND		
Dissolved oxygen	mg/L	8.1	8.0	7.7	7.4	7.1	7.4	7.0	6.7	6.8	6.7
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		

Lancaster Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Arsenic	mg/L			0.00124	0.00159	0.00193			EPA 200.8	0.002	0.00014	0.00100
Barium	mg/L			0.0172	0.0205	0.0238			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	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 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	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	mg/L			ND	ND	ND			EPA 200.8	0.0005	0.00003	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 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
Bromodichloromethane	ug/L			3.9	5.5	7.4			EPA 624	2	0.17	0.50
Bromoform	ug/L			ND	ND	DNQ Est. Conc. 0.25			EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	mg/L			ND	ND	ND			EPA 200.8	0.00025	0.000031	0.00020
Calcium	mg/L			31.3	43.6	51.5			EPA 200.8		0.004 - 0.005	0.02 - 0.40
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	ND			SM 5220D (std)		8.5	25.0
Chloride	mg/L			120	128	147			EPA 300.0		0.050 - 0.290	4.00 - 10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L			0.58	0.95	1.5			EPA 624	2	0.14	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L			12.4	14.9	18.3			EPA 624	2	0.18	0.50
Chromium VI	mg/L			0.00005	0.00006	0.00006			EPA 218.6 (Dissolved)		0.00001	0.00005
Chromium, total	mg/L			0.00074	0.00087	0.00100			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	0.50
Cobalt	mg/L			DNQ Est. Conc. 0.00012	ND	DNQ Est. Conc. 0.00014			EPA 200.8		0.00001	0.00025
Copper	mg/L			0.00173	0.00209	0.00245			EPA 200.8	0.0005	0.00011	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	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12 - 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			8.2	14	20			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			107	107	107			SW8015 Diesel/Oil Organics		33	100
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	6.8	7.6	6.7	7.3	8.1	≥ 1.0		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

Lancaster Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Ethylbenzene	ug/L	ND							ND		
Fluoranthene	ug/L	ND							ND		
Fluorene	ug/L	ND							ND		
gamma-BHC (Lindane)	ug/L		ND						DNQ Est. Conc. 0.002		
Gasoline range organics	ug/L	ND									
Haloacetic Acids (HAA5)	ug/L	14			20				30		21
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							0.05		
Isophorone	ug/L	ND							ND		
Lead	mg/L	DNQ Est. Conc. 0.00006							DNQ Est. Conc. 0.00002		
m+p-Xylenes	ug/L	ND							ND		
Magnesium	mg/L	7.5			7.5				8.3		10.8
Manganese	mg/L	0.0161							0.0123		
Mercury	mg/L	ND							ND		
Methyl bromide (Bromomethane)	ug/L	ND							ND		
Methyl chloride (Chloromethane)	ug/L	ND							DNQ Est. Conc. 0.21		
Methyl tert-butyl ether (MTBE)	ug/L	ND									
Methylene chloride	ug/L	ND							ND		
Molybdenum	mg/L	0.00390							0.00361		
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	2.7			2.7					1.8	2.2
n-Nitrosodiphenylamine	ug/L	ND							ND		
Naphthalene	ug/L	ND							ND		
Nickel	mg/L	DNQ Est. Conc. 0.00094							0.00120		
Nitrate as nitrogen	mg/L	9.42	9.88	9.50	10.3	11.0	9.02	9.61	7.45	9.00	9.92
Nitrite as nitrogen	mg/L	0.045	0.032	0.047	0.042	ND	0.052	ND	0.049	0.034	ND
Nitrobenzene	ug/L	ND							ND		
o-Xylene	ug/L	ND							ND		
Oil range organics	ug/L	ND									
Pentachlorophenol	ug/L	ND							ND		
Phenanthrene	ug/L	ND							ND		
Phenols	ug/L	DNQ Est. Conc. 5									
Phenol	ug/L	ND							DNQ Est. Conc. 0.15		
pH	SU	7.4	7.6	7.5	7.4	7.5	7.5	7.5	7.4	7.5	7.5
Potassium	mg/L	13.8							14.0		
Pyrene	ug/L	ND							ND		
Selenium	mg/L	DNQ Est. Conc. 0.00036							DNQ Est. Conc. 0.00022		
Silver	mg/L	ND							ND		
Sodium	mg/L	116			109				106		126
Sulfate	mg/L	72.6			73.6				57.2		64.8
Surfactant (MBAS)	mg/L	ND			ND		ND	ND			ND

Lancaster Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.30	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			ND	ND	ND			SW8015 Gas-Range Organics		9	50
Haloacetic Acids (HAA5)	ug/L			14	21	30			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	0.11 - 0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.52 - 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			0.05	0.06	0.06			EPA 200.8		0 - 0.003	0.02
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	mg/L			DNQ Est. Conc. 0.00002	ND	DNQ Est. Conc. 0.00006			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			7.5	8.5	10.8			EPA 200.8		0.001 - 0.003	0.020 - 0.040
Manganese	mg/L			0.0123	0.0142	0.0161			EPA 200.8		0.00003	0.00100
Mercury	mg/L			ND	ND	ND			EPA 245.1	0.0005	0.000004	0.00004
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.21 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	DNQ Est. Conc. 0.21			EPA 624	2	0.15 - 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			0.00361	0.00376	0.00390			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 - 0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L			1.8	2.4	2.7			EPA 1625 (Modified)	5	0.0003 - 0.050	0.010 - 0.200
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	mg/L			DNQ Est. Conc. 0.00094	0.00060	0.00120			EPA 200.8	0.001	0.00012	0.00100
Nitrate as nitrogen	mg/L	9.22	7.32	7.32	9.30	11.0			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.058	0.045	ND	0.034	0.058			SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
o-Xylene	ug/L			ND	ND	ND			EPA 624		0.12	0.50
Oil range organics	ug/L			ND	ND	ND			SW8015 Diesel/Oil Organics		26	500
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.11 - 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. 0.15			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.5	7.4	7.4	7.5	7.6			SM 4500 H+ B		1.00	4.00
Potassium	mg/L			13.8	13.9	14.0			EPA 200.8		0.007	0.20
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	mg/L			DNQ Est. Conc. 0.00022	ND	DNQ Est. Conc. 0.00036			EPA 200.8	0.002	0.00004	0.00100
Silver	mg/L			ND	ND	ND			EPA 200.8	0.00025	0.00002	0.00020
Sodium	mg/L			106	114	126			EPA 200.8		0.004 - 0.024	0.20 - 4.00
Sulfate	mg/L			57.2	67.1	73.6			EPA 300.0		0.110 - 0.160	1.00 - 2.00
Surfactant (MBAS)	mg/L			ND	ND	ND			SM 5540C		0.03	0.10

Lancaster Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Technical Chlordane	ug/L		ND						ND		
Temperature	°C	19.2	19.1	20.4	21.3	23.0	24.5	26.2	28.1	25.9	24.4
Tetrachloroethene	ug/L	ND							ND		
Thallium	mg/L	ND							ND		
Toluene	ug/L	ND							ND		
Total BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Carbonaceous BOD5	mg/L	ND	ND	ND	ND	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. 1.6					ND		DNQ Est. Conc. 1.7		
Total dissolved solids	mg/L	563			540		551	559			506
Total Kjeldahl Nitrogen (TKN)	mg/L	1.79	1.95	1.77	1.97	1.72	2.19	1.89	1.68	1.22	1.66
Total organic carbon	ug/L	5570			5860				5310		4650
Total Petroleum Hydrocarbons	ug/L	107									
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND
Total trihalomethanes	ug/L	19.4			16.9				24.8		24.4
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	5.6			7.9				9.5		6.8
Trichloroethene	ug/L	ND							ND		
Vanadium	mg/L	0.00618							0.00634		
Vinyl chloride	ug/L	ND							ND		
Zinc	mg/L	0.0710							0.110		

Lancaster Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Technical Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	°C	22.2	20.1	19.1	22.9	28.1			EPA 170.1 (oC)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	mg/L			ND	ND	ND			EPA 200.8	0.001	0.00002	0.00025
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Total BOD	mg/L	ND	ND	ND	ND	ND	30(2)	10	SM 5210B		0.6	3.0
Total Carbonaceous BOD5	mg/L	ND	ND	ND	ND	ND			SM 5210B		0.6	3
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	23/240		SM 9222B		1	1
Total cyanide	ug/L			ND	ND	DNQ Est. Conc. 1.7			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			506	544	563			SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L		3.05	1.22	1.90	3.05			EPA 351.2		0.135	0.200 - 1.00
Total organic carbon	ug/L			4650	5348	5860			SM 5310C		50	2000 - 2500
Total Petroleum Hydrocarbons	ug/L			107	107	107			SW-846 8015B			0.050
Total Suspended Solids	mg/l	ND	ND	ND	0.23	2.7			SM 2540D		2.5	2.5
Total trihalomethanes	ug/L			16.9	21.4	24.8			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	0.16	0.50
trans-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.17	0.50
Trichloroacetic acid	ug/L			5.6	7.5	9.5			EPA 552.2		0.22	1.0
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50
Vanadium	mg/L			0.00618	0.00626	0.00634			EPA 200.8		0.00007	0.00100
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	mg/L			0.0710	0.0905	0.110			EPA 200.8	0.001	0.00060	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 *
01-01-2016	12-31-2016

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., "Method for the Recovery and Assay of Total Culturable Viruses from 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)? *

2696

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	2696

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer Information

NPDES ID (if known)

CAL010500

Facility/Company Name *

Nursery Products Hawes Composting Facility

Address *

P.O. Box 1439

City *	State *	Zip Code *
Helendale	California	94342

Off-Site Third-Party Handler or Preparer Contact Information

First Name *	Last Name *	Title *
Chad	Buechel	Plant Manager

Phone (10-digits, No dashes) *	Ext.	E-Mail Address *
6613782515		cbuechel@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)).

☒ Check when done with SSUID section. *

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.

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

January-February	March-April	May-June	July-August	September-October	November-December
= 11.3	= 10.1	= 9.35	= 9.73	= 8.32	= 7.85

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

January-February	March-April	May-June	July-August	September-October	November-December
= 2.6	= 2.5	= 2.6	= 3.1	= 2.6	= 2.5

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

January-February	March-April	May-June	July-August	September-October	November-December
= 449	= 400	= 388	= 476	= 524	= 503

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

January-February	March-April	May-June	July-August	September-October	November-December
= 9.93	= 14.5	= 10.2	= 9.33	= 9.58	= 10.0

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1.02	= 0.95	= 0.70	= 0.69	= 1.1	= 1.48

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

January-February	March-April	May-June	July-August	September-October	November-December
= 13.1	= 14.8	= 18.1	= 16.1	= 16.7	= 17.1

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

January-February	March-April	May-June	July-August	September-October	November-December
= 26.1	= 27.4	= 25.4	= 27.3	= 29.3	= 31.3

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

January-February	March-April	May-June	July-August	September-October	November-December
= 59100	= 65900	= 50600	= 58400	= 64100	= 65200

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

January-February	March-April	May-June	July-August	September-October	November-December
= 8.26	= 9.75	= 7.43	= 6.66	= 6.18	= 6.47

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1090	= 1040	= 1030	= 1490	= 2140	= 1800

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

January-February	March-April	May-June	July-August	September-October	November-December
= 11.3	= 10.1	= 9.35	= 9.73	= 8.32	= 7.85

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

January-February	March-April	May-June	July-August	September-October	November-December
= 2.6	= 2.5	= 2.6	= 3.1	= 2.6	= 2.5

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

January-February	March-April	May-June	July-August	September-October	November-December
= 449	= 400	= 388	= 476	= 524	= 503

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

January-February	March-April	May-June	July-August	September-October	November-December
= 9.93	= 14.5	= 10.2	= 9.33	= 9.58	= 10.0

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1.02	= 0.95	= 0.70	= 0.69	= 1.10	= 1.48

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

January-February	March-April	May-June	July-August	September-October	November-December
= 26.1	= 27.4	= 25.4	= 27.3	= 29.3	= 31.3

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

January-February	March-April	May-June	July-August	September-October	November-December
= 8.26	= 9.75	= 7.43	= 6.66	= 6.18	= 6.47

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1090	= 1040	= 1030	= 1490	= 2140	= 1800

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

January-February	March-April	May-June	July-August	September-October	November-December
= 65	= 71	= 71	= 71	= 68	= 68

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 Loadings are plant values.
3. Data entered for Monthly Average Pollutant Concentrations are plant values.

Additional Attachments

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 *
mfischer@lacsd.org	Approve

Long Beach WRP Influent Monitoring

Long Beach Water Reclamation Plant
2016 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	DNQ Est. Conc. 0.12						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		
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	0.96						1.17		
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	4.71						5.74		
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
2016 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	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.27	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	DNQ Est. Conc. 0.12	EPA 624	1	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	0.08 - 0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.20	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 - 0.13	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	0.15 - 0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.10 - 0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.12 - 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 - 3.5	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.18 - 0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.27 - 0.43	10
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.11 - 0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11 - 0.36	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7 - 2.0	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20 - 0.22	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12 - 0.17	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.12 - 0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.66 - 1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21 - 0.28	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17 - 0.33	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3 - 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 - 0.38	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14 - 0.22	100
Acrolein	ug/L				ND	ND	ND	EPA 624		0.47 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.14 - 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
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.16 - 0.18	100
Antimony	ug/L				0.96	1.1	1.17	EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02	0.1
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	ug/L				4.71	5.23	5.74	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15 - 0.18	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.6 - 1.7	50.0
Benzo(a)anthracene	ug/L				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 - 0.19	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13 - 0.14	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.13 - 0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22 - 0.23	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030 - 0.040	0.25

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. 4.2						DNQ Est. Conc. 6.2		
BOD5 20°C	mg/L	335	372	333	337	357	332	464	338	337
Bromodichloromethane	ug/L	0.65						1.5		
Bromoform	ug/L	DNQ Est. Conc. 0.19						DNQ Est. Conc. 0.24		
Butyl benzyl phthalate	ug/L	DNQ Est. Conc. 1.0						DNQ Est. Conc. 2.3		
Cadmium	ug/L	0.22						0.28		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.43						0.58		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	6.2						8.4		
Chromium VI	ug/L	DNQ Est. Conc. 0.04						DNQ Est. Conc. 0.03		
Chromium, total	ug/L	3.58						3.42		
Chrysene	ug/L	ND						ND		
Copper	ug/L	69.7			26.8			111		
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. 0.004						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.6						DNQ Est. Conc. 2.5		
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	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	2.10			0.66			2.24		
Mercury	ug/L	0.13						0.11		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	0.80						0.63		
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	3.87						5.08		
Nitrobenzene	ug/L	ND						ND		
PCB-105	pg/L							170(1)		
PCB-110	pg/L							478		

Long Beach Water Reclamation Plant
2016 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	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13 - 0.50	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16 - 0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 6.2	EPA 625	5	0.17 - 0.25	20.0
BOD5 20°C	mg/L	386	311	378	311	357	464	SM 5210B		0.6	100 - 200
Bromodichloromethane	ug/L				0.65	1.1	1.5	EPA 624	2	0.11 - 0.17	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.24	EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L				DNQ Est. Conc. 1.0	ND	DNQ Est. Conc. 2.3	EPA 625	10	0.10 - 0.16	100
Cadmium	ug/L				0.22	0.25	0.28	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.14	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.43	0.29	0.58	EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22 - 0.33	0.50
Chloroform	ug/L				6.2	7.3	8.4	EPA 624	2	0.18 - 0.19	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.03	ND	DNQ Est. Conc. 0.04	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				3.42	3.50	3.58	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.13 - 0.17	100
Copper	ug/L	35.7			26.8	60.8	111	EPA 200.8	0.5	0.11 - 0.16	0.50
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	0.10 - 0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12 - 0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.14 - 0.15	100
Dieldrin	ug/L				ND	ND	DNQ Est. Conc. 0.004	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 2.5	ND	DNQ Est. Conc. 4.6	EPA 625	2	0.21 - 0.27	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19 - 0.26	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 - 0.19	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.10 - 0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18 - 0.30	100
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.005	EPA 608	0.02	0.0009	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	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.11 - 0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14 - 0.33	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.52 - 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	0.13 - 0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.25	10.0
Lead	ug/L	0.77			0.66	1.4	2.24	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L				0.11	0.12	0.13	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.15 - 0.36	0.50
Methylene chloride	ug/L				0.63	0.72	0.80	EPA 624	2	0.09 - 0.18	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0012 - 0.19	0.0020 - 50.0
n-Nitrosodimethylamine (NDMA)	ug/L			0.0021	ND	0.00070	0.0021	EPA 1625 (Modified) & EPA 625	5	0.00050 - 0.32	0.0020 - 50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.23	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.18	10.0
Nickel	ug/L				3.87	4.48	5.08	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
PCB-105	pg/L				170(1)	170	170(1)	EPA 1668		7.1	21
PCB-110	pg/L				478	478	478	EPA 1668			5.3

Long Beach Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-114	pg/L							ND		
PCB-118	pg/L							420(1)		
PCB-123	pg/L							DNQ Est. Conc. 15		
PCB-126	pg/L							ND		
PCB-128/166	pg/L							DNQ Est. Conc. 56		
PCB-129/138/163	pg/L							DNQ Est. Conc. 430(1)		
PCB-135/151	pg/L							DNQ Est. Conc. 100		
PCB-147/149	pg/L							DNQ Est. Conc. 310(1)		
PCB-153/168	pg/L							DNQ Est. Conc. 340(1)		
PCB-156	pg/L							35		
PCB-157	pg/L							10		
PCB-158	pg/L							DNQ Est. Conc. 40		
PCB-167	pg/L							DNQ Est. Conc. 14		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 130		
PCB-177	pg/L							DNQ Est. Conc. 74		
PCB-18/30	pg/L							DNQ Est. Conc. 99(1)		
PCB-180/193	pg/L							DNQ Est. Conc. 340		
PCB-183	pg/L							DNQ Est. Conc. 92(1)		
PCB-187	pg/L							DNQ Est. Conc. 190		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 45		
PCB-20/28	pg/L							DNQ Est. Conc. 210(1)		
PCB-201	pg/L							DNQ Est. Conc. 15		
PCB-206	pg/L							DNQ Est. Conc. 46		
PCB-37	pg/L							DNQ Est. Conc. 58		
PCB-44	pg/L							215		
PCB-49/69	pg/L							DNQ Est. Conc. 120		
PCB-52	pg/L							510(1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 460(1)		
PCB-66	pg/L							DNQ Est. Conc. 170		
PCB-77	pg/L							DNQ Est. Conc. 20		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 380		
PCB-90/101/113	pg/L							DNQ Est. Conc. 460(1)		
PCB-99	pg/L							DNQ Est. Conc. 180(1)		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	53.5						27.8		
pH	SU	7.3	7.4	7.5	7.5	7.5	7.4	7.3	7.4	7.5
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L							ND		
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L							0.001620		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.19			DNQ Est. Conc. 0.88			1.14		
Silver	ug/L	1.11						0.95		
Tetrachloroethene	ug/L	ND						0.60		
Thallium	ug/L	DNQ Est. Conc. 0.020						ND		
Toluene	ug/L	1.6						1.5		
Total cyanide	mg/L	DNQ Est. Conc. 0.0013						DNQ Est. Conc. 0.0018		
Total suspended solids	mg/L	329	396	361	391	367	313	490	367	389
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	192			62.2			192		

Long Beach Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-114	pg/L				ND	ND	ND	EPA 1668		7.4	21
PCB-118	pg/L				420(1)	420	420(1)	EPA 1668		7.1	21
PCB-123	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15	EPA 1668		7.3	21
PCB-126	pg/L				ND	ND	ND	EPA 1668		6.9	21
PCB-128/166	pg/L				DNQ Est. Conc. 56	ND	DNQ Est. Conc. 56	EPA 1668		4.3	420
PCB-129/138/163	pg/L				DNQ Est. Conc. 430(1)	ND	DNQ Est. Conc. 430(1)	EPA 1668		4.3	620
PCB-135/151	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		4.6	420
PCB-147/149	pg/L				DNQ Est. Conc. 310(1)	ND	DNQ Est. Conc. 310(1)	EPA 1668		4.3	420
PCB-153/168	pg/L				DNQ Est. Conc. 340(1)	ND	DNQ Est. Conc. 340(1)	EPA 1668		3.6	420
PCB-156	pg/L				35	35	35	EPA 1668			5.3
PCB-157	pg/L				10	10	10	EPA 1668			5.3
PCB-158	pg/L				DNQ Est. Conc. 40	ND	DNQ Est. Conc. 40	EPA 1668		3.4	210
PCB-167	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		8.0	21
PCB-169	pg/L				ND	ND	ND	EPA 1668		9.3	21
PCB-170	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		2.8	210
PCB-177	pg/L				DNQ Est. Conc. 74	ND	DNQ Est. Conc. 74	EPA 1668		2.7	210
PCB-18/30	pg/L				DNQ Est. Conc. 99(1)	ND	DNQ Est. Conc. 99(1)	EPA 1668		4.0	420
PCB-180/193	pg/L				DNQ Est. Conc. 340	ND	DNQ Est. Conc. 340	EPA 1668		2.2	420
PCB-183	pg/L				DNQ Est. Conc. 92(1)	ND	DNQ Est. Conc. 92(1)	EPA 1668		1.9	210
PCB-187	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		2.5	210
PCB-189	pg/L				ND	ND	ND	EPA 1668		4.5	21
PCB-194	pg/L				DNQ Est. Conc. 45	ND	DNQ Est. Conc. 45	EPA 1668		4.0	210
PCB-20/28	pg/L				DNQ Est. Conc. 210(1)	ND	DNQ Est. Conc. 210(1)	EPA 1668		8.4	420
PCB-201	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15	EPA 1668		2.7	210
PCB-206	pg/L				DNQ Est. Conc. 46	ND	DNQ Est. Conc. 46	EPA 1668		7.3	210
PCB-37	pg/L				DNQ Est. Conc. 58	ND	DNQ Est. Conc. 58	EPA 1668		8.2	210
PCB-44	pg/L				215	ND	215	EPA 1668		1.7	620
PCB-49/69	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		1.5	420
PCB-52	pg/L				510(1)	510	510(1)	EPA 1668		1.8	210
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 460(1)	ND	DNQ Est. Conc. 460(1)	EPA 1668		3.6	830
PCB-66	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		3.8	210
PCB-77	pg/L				DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20	EPA 1668		5.4	21
PCB-81	pg/L				ND	ND	ND	EPA 1668		5.0	21
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 380	ND	DNQ Est. Conc. 380	EPA 1668		7.0	620
PCB-90/101/113	pg/L				DNQ Est. Conc. 460(1)	ND	DNQ Est. Conc. 460(1)	EPA 1668		7.0	620
PCB-99	pg/L				DNQ Est. Conc. 180(1)	ND	DNQ Est. Conc. 180(1)	EPA 1668		7.0	210
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38 - 0.64	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.11 - 0.19	50.0
Phenol	ug/L				27.8	40.7	53.5	EPA 625	1	0.10 - 0.14	10.0
pH	SU	7.5	7.6	7.5	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				0.001620	0.001620	0.001620	EPA 1668			
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19 - 0.27	100
Selenium	ug/L	DNQ Est. Conc. 0.81			DNQ Est. Conc. 0.81	0.58	1.19	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				0.95	1.0	1.11	EPA 200.8	0.25	0.01 - 0.02	0.20
Tetrachloroethene	ug/L				ND	0.30	0.60	EPA 624	2	0.18 - 0.40	0.50
Thallium	ug/L				ND	ND	DNQ Est. Conc. 0.020	EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L				1.5	1.6	1.6	EPA 624	2	0.19	0.50
Total cyanide	mg/L				DNQ Est. Conc. 0.0013	ND	DNQ Est. Conc. 0.0018	SM 4500 CN E	0.005	0.0010	0.0050
Total suspended solids	mg/L	479	364	393	313	387	490	SM 2540D		2.5	2.5 - 125
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 - 0.25	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	88.9			62.2	134	192	EPA 200.8	1	0.60 - 0.66	1.00

(1) Compound found in the blank and sample.

Long Beach WRP Effluent Monitoring

Long Beach Water Reclamation Plant
2016 EFF-001A 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. 1.6						DNQ Est. Conc. 2.1			
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 1.2						DNQ Est. Conc. 1.1			
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 0.60						DNQ Est. Conc. 0.51			
1,2,3,4,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 0.37			
1,2,3,4,7,8,9-HeptaCDF	pg/L	DNQ Est. Conc. 0.94						ND			
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.0						DNQ Est. Conc. 0.51			
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.97						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	DNQ Est. Conc. 0.72						ND			
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 1.0						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	1.4						1.4			
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. 0.63						DNQ Est. Conc. 0.45			
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 0.49						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. 0.20						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	1.35	1.93	0.720	1.21	1.22	0.621	2.30	0.935	2.38	0.346
Anthracene	ug/L	ND						ND			
Antimony	ug/L	0.52			DNQ Est. Conc. 0.43			0.64			0.62
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			

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	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.21 - 0.27	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.07 - 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 - 0.12	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.20	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 & EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.13 - 0.24	52 - 53
1,2,3,4,6,7,8-HeptaCDF	pg/L			DNQ Est. Conc. 1.1	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.20 - 0.43	52 - 53
1,2,3,4,7,8-HexaCDD	pg/L			DNQ Est. Conc. 0.51	ND	DNQ Est. Conc. 0.60			EPA 1613B		0.18 - 0.26	52 - 53
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.37			EPA 1613B		0.20 - 0.28	52 - 53
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.94			EPA 1613B		0.28 - 0.54	52 - 53
1,2,3,6,7,8-HexaCDD	pg/L			DNQ Est. Conc. 0.51	ND	DNQ Est. Conc. 1.0			EPA 1613B		0.16 - 0.26	52 - 53
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.97			EPA 1613B		0.19 - 0.24	52 - 53
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.37 - 0.48	52 - 53
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.27	52 - 53
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.72			EPA 1613B		0.15 - 0.22	52 - 53
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.0			EPA 1613B		0.16 - 0.17	52 - 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 - 0.13	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	0.15 - 0.16	0.50
1,4-Dioxane	ug/L			1.4	1.4	1.4			SW-846 8270MOD 1,4-Dioxane		0.09 - 0.13	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.10 - 0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.12 - 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 - 3.5	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			DNQ Est. Conc. 0.45	ND	DNQ Est. Conc. 0.63			EPA 1613B		0.17 - 0.18	52 - 53
2,3,4,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.49			EPA 1613B		0.29 - 0.31	52 - 53
2,3,7,8-TCDD	pg/L			ND	ND	ND			EPA 1613B		0.20 - 0.23	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	ND			EPA 1613B		0.17 - 0.20	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	DNQ Est. Conc. 0.20			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3 - 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	0.01
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 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		0.47 - 1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.14 - 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
Ammonia as nitrogen	mg/L	1.10	1.04	0.346	1.26	2.38	7.9	4.1	SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	ug/L			DNQ Est. Conc. 0.43	0.45	0.64			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
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

Long Beach Water Reclamation Plant
2016 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	2.93			2.61			2.12			2.92
Barium	mg/L	0.0638			0.0503			0.0560			0.0543
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	ND						ND			
BOD5 20°C	mg/L	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.33	0.28	0.32	0.33	0.32	0.30	0.30	0.30	0.30	0.29
Bromodichloromethane	ug/L	14.2						6.0			
Bromoform	ug/L	DNQ Est. Conc. 0.23						DNQ Est. Conc. 0.13			
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	110	112	121	120	128	125	127	117	120	129
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	3.4						1.1			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	31.4						15.7			
Chromium III	ug/L	ND			ND			ND			ND
Chromium VI	ug/L	DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.03			0.23			DNQ Est. Conc. 0.03
Chromium, total (Reuse)	mg/L	DNQ Est. Conc. 0.00033			DNQ Est. Conc. 0.00019			DNQ Est. Conc. 0.00026			DNQ Est. Conc. 0.00025
Chromium, total	ug/L	DNQ Est. Conc. 0.23			DNQ Est. Conc. 0.34			DNQ Est. Conc. 0.39			DNQ Est. Conc. 0.26
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.41	1.73	1.61	1.13	1.84	1.45	1.55	1.62	2.18	1.60
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						ND			
Diethyl phthalate	ug/L	ND						ND			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	7.9	5.0	7.8	7.5	7.7	7.1	8.0	7.3	6.7	6.2
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	0.550			0.585			0.535			0.553
gamma-BHC (Lindane)	ug/L	ND						ND			
Gross alpha radioactivity	pCi/L	2.59			3.46			1.42			ND
Gross beta radioactivity	pCi/L	3.62			6.38			0.710			13.0
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			

Long Beach Water Reclamation Plant
2016 EFF-001A 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	0.1
Arsenic	ug/L			2.12	2.65	2.93			EPA 200.8	2	0.14 - 0.15	1.00
Barium	mg/L			0.0503	0.0561	0.0638			EPA 200.8		0.00005 - 0.00008	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.15 - 0.18	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 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	0.13 - 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
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 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
BOD5 20°C	mg/L	ND	ND	ND	0.25	3.0	45	20	SM 5210B		0.6	3.0
Boron	mg/L	0.31	0.30	0.28	0.31	0.33			EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L			6.0	10	14.2			EPA 624	2	0.11 - 0.17	0.50
Bromoform	ug/L			DNQ Est. Conc. 0.13	ND	DNQ Est. Conc. 0.23			EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L			ND	ND	ND			EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.21 - 0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01	0.05
Chloride	mg/L	131	123	110	122	131			EPA 300.0		0.050 - 0.290	4.00 - 10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.14	0.50
Chlorodibromomethane	ug/L			1.1	2.3	3.4			EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.22 - 0.33	0.50
Chloroform	ug/L			15.7	23.6	31.4			EPA 624	2	0.18 - 0.19	0.50
Chromium III	ug/L			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L			DNQ Est. Conc. 0.02	0.06	0.23			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total (Reuse)	mg/L			DNQ Est. Conc. 0.00019	ND	DNQ Est. Conc. 0.00033			EPA 200.8	0.0005	0.00011	0.00050
Chromium, total	ug/L			DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.39			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	1.33	1.69	1.13	1.68	2.41	20(1)/27(2)	18(1)	EPA 200.8	0.5	0.11 - 0.16	0.50
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	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			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	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 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	6.5	6.6	5.0	7.0	8.0			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	0.01
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 - 0.19	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L			0.535	0.556	0.585			SM 4500 F C		0.003	0.100
gamma-BHC (Lindane)	ug/L			ND	ND	ND			EPA 608	0.02	0.0009	0.01
Gross alpha radioactivity	pCi/L			ND	1.87	3.46			EPA 900.0		0.851 - 2.50	0.851 - 2.50
Gross beta radioactivity	pCi/L			0.710	5.93	13.0			EPA 900.0		0.895 - 2.50	0.895 - 2.50
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	0.11 - 0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.52 - 0.75	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0

Long Beach Water Reclamation Plant
2016 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.09	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.05
Mercury	ug/L	0.00088			0.0013			ND			0.0010
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						DNQ Est. Conc. 0.21			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	0.32	0.34	0.46	0.45	0.78	0.74	1.1	1.1	0.860	1.100
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	1.14			1.28			1.66			1.46
Nitrate + nitrite as nitrogen	mg/L	7.82	7.62	7.32	7.99	7.06	7.48	7.08	6.21	5.17	6.14
Nitrate as nitrogen	mg/L	7.62	7.10	7.12	7.62	6.72	7.21	6.58	5.98	4.80	5.91
Nitrite as nitrogen	mg/L	0.205	0.525	0.197	0.374	0.343	0.271	0.501	0.232	0.370	0.227
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	DNQ Est. Conc. 7.2						DNQ Est. Conc. 9.5			
OctaCDF	pg/L	DNQ Est. Conc. 3.1						DNQ Est. Conc. 2.6			
Oil and grease	mg/L	ND	ND	ND	ND	4.6	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	1.29	0.850	2.10	0.906	1.24	2.00	2.84	1.82	2.24	0.484
PCB-105	pg/L							DNQ Est. Conc. 2.2(3)(4)			
PCB-110/115	pg/L							DNQ Est. Conc. 9.5			
PCB-114	pg/L							ND			
PCB-118	pg/L							DNQ Est. Conc. 5.9(3)(4)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-128/166	pg/L							ND			
PCB-129/138/163	pg/L							DNQ Est. Conc. 5.2(3)(4)			
PCB-135/151	pg/L							ND			
PCB-147/149	pg/L							DNQ Est. Conc. 4.4(3)(4)			
PCB-153/168	pg/L							DNQ Est. Conc. 4.2(3)(4)			
PCB-156/157	pg/L							ND			
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-18/30	pg/L							DNQ Est. Conc. 12(3)			
PCB-180/193	pg/L							DNQ Est. Conc. 2.5			
PCB-183	pg/L							DNQ Est. Conc. 1.6(3)(4)			
PCB-187	pg/L							ND			
PCB-189	pg/L							ND			
PCB-194	pg/L							ND			
PCB-20/28	pg/L							DNQ Est. Conc. 14(3)(4)			
PCB-201	pg/L							ND			
PCB-206	pg/L							ND			
PCB-37	pg/L							ND			
PCB-44/47/65	pg/L							DNQ Est. Conc. 65(3)			
PCB-49/69	pg/L							DNQ Est. Conc. 6.2			
PCB-52	pg/L							DNQ Est. Conc. 16(3)			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 12(3)			
PCB-66	pg/L							DNQ Est. Conc. 4.2			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 6.3			
PCB-90/101/113	pg/L							DNQ Est. Conc. 8.3(3)(4)			
PCB-99	pg/L							DNQ Est. Conc. 2.9(3)(4)			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	ND						0.51			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	DNQ Est. Conc. 0.13						DNQ Est. Conc. 0.21			
pH	SU	7.5	7.6	7.7	7.7	7.8	7.6	7.7	7.7	7.7	7.7
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L	ND						ND			

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Indeno (1,2,3-cd) pyrene	ug/L	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 - 0.25	1.0
Lead	ug/L	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.10	106(2)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L			ND	0.00080	0.0013			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.21 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.15 - 0.36	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.06 - 0.12	0.50
Methylene chloride	ug/L			ND	ND	DNQ Est. Conc. 0.21			EPA 624	2	0.09 - 0.18	0.50
n-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0058 - 0.19	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.610	0.65	0.32	0.71	1.1			EPA 1625 (Modified)	5	0.0003 - 0.025	0.0020 - 0.100
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	ug/L			1.14	1.39	1.66			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	6.12	6.79	5.17	6.90	7.99		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	6.06	6.60	4.80	6.61	7.62			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.059	0.191	0.059	0.29	0.525		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L			DNQ Est. Conc. 7.2	ND	DNQ Est. Conc. 9.5			EPA 1613B		0.19 - 0.32	100 - 110
OctaCDF	pg/L			DNQ Est. Conc. 2.6	ND	DNQ Est. Conc. 3.1			EPA 1613B		0.30 - 0.33	100 - 110
Oil and grease	mg/L	ND	ND	ND	0.38	4.6	15	10	EPA 1664A		0.8 - 1.2	4.5 - 4.8
Organic nitrogen	mg/L	2.02	2.12	0.484	1.66	2.84			EPA 351.2		0.135	0.200
PCB-105	pg/L			DNQ Est. Conc. 2.2(3)(4)	ND	DNQ Est. Conc. 2.2(3)(4)			EPA 1668		1.0	23
PCB-110/115	pg/L			DNQ Est. Conc. 9.5	ND	DNQ Est. Conc. 9.5			EPA 1668		1.0	460
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.0	23
PCB-118	pg/L			DNQ Est. Conc. 5.9(3)(4)	ND	DNQ Est. Conc. 5.9(3)(4)			EPA 1668		0.99	23
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.0	23
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.1	23
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		0.87	460
PCB-129/138/163	pg/L			DNQ Est. Conc. 5.2(3)(4)	ND	DNQ Est. Conc. 5.2(3)(4)			EPA 1668		0.86	690
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		0.93	460
PCB-147/149	pg/L			DNQ Est. Conc. 4.4(3)(4)	ND	DNQ Est. Conc. 4.4(3)(4)			EPA 1668		0.88	460
PCB-153/168	pg/L			DNQ Est. Conc. 4.2(3)(4)	ND	DNQ Est. Conc. 4.2(3)(4)			EPA 1668		0.72	460
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		0.83	46
PCB-158	pg/L			ND	ND	ND			EPA 1668		0.70	230
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.62	23
PCB-169	pg/L			ND	ND	ND			EPA 1668		0.73	23
PCB-170	pg/L			ND	ND	ND			EPA 1668		0.77	230
PCB-177	pg/L			ND	ND	ND			EPA 1668		0.74	230
PCB-18/30	pg/L			DNQ Est. Conc. 12(3)	ND	DNQ Est. Conc. 12(3)			EPA 1668		1.6	460
PCB-180/193	pg/L			DNQ Est. Conc. 2.5	ND	DNQ Est. Conc. 2.5			EPA 1668		0.61	460
PCB-183	pg/L			DNQ Est. Conc. 1.6(3)(4)	ND	DNQ Est. Conc. 1.6(3)(4)			EPA 1668		0.52	230
PCB-187	pg/L			ND	ND	ND			EPA 1668		1.2	230
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.1	23
PCB-194	pg/L			ND	ND	ND			EPA 1668		1.2	230
PCB-20/28	pg/L			DNQ Est. Conc. 14(3)(4)	ND	DNQ Est. Conc. 14(3)(4)			EPA 1668		2.4	460
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.64	230
PCB-206	pg/L			ND	ND	ND			EPA 1668		3.9	230
PCB-37	pg/L			ND	ND	ND			EPA 1668		2.4	230
PCB-44/47/65	pg/L			DNQ Est. Conc. 65(3)	ND	DNQ Est. Conc. 65(3)			EPA 1668		0.88	690
PCB-49/69	pg/L			DNQ Est. Conc. 6.2	ND	DNQ Est. Conc. 6.2			EPA 1668		0.78	460
PCB-52	pg/L			DNQ Est. Conc. 16(3)	ND	DNQ Est. Conc. 16(3)			EPA 1668		0.96	230
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 12(3)	ND	DNQ Est. Conc. 12(3)			EPA 1668		1.5	920
PCB-66	pg/L			DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 4.2			EPA 1668		1.5	230
PCB-77	pg/L			ND	ND	ND			EPA 1668		1.5	23
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.5	23
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 6.3	ND	DNQ Est. Conc. 6.3			EPA 1668		1.1	690
PCB-90/101/113	pg/L			DNQ Est. Conc. 8.3(3)(4)	ND	DNQ Est. Conc. 8.3(3)(4)			EPA 1668		1.1	690
PCB-99	pg/L			DNQ Est. Conc. 2.9(3)(4)	ND	DNQ Est. Conc. 2.9(3)(4)			EPA 1668		1.1	230
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L			ND	0.26	0.51			EPA 331.0		0.0201 - 0.402	0.05 - 1
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L			DNQ Est. Conc. 0.13	ND	DNQ Est. Conc. 0.21			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.5	7.4	7.4	7.6	7.8			SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L			ND	ND	ND			EPA 608			

Long Beach Water Reclamation Plant
2016 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L							ND			
Pyrene	ug/L	ND						ND			
Selenium	ug/L	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.23
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	0.127			ND			0.000			0.683
Sulfate	mg/L	82.3	85.9	77.8	94.3	101	95.6	82.0	88.9	86.6	92.5
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	74.9	75.7	76.8	78.5	78.9	81.1	83.8	84.2	83.1	81.4
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND			ND			ND			ND
Toluene	ug/L	ND						ND			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND			ND			ND
Total cyanide	ug/L	ND			ND			ND			ND
Total dissolved solids	mg/L	609	578	604	610	622	630	602	608	578	602
Total hardness (CaCO3)	mg/L	158	164	160	169	172	178	164	168	162	167
Total Kjeldahl Nitrogen (TKN)	mg/L	2.64	2.78	2.82	2.12	2.46	2.62	5.14	2.76	4.62	0.830
Total nitrogen	mg/L	10.5	10.4	10.1	10.1	9.52	10.1	12.2	8.97	9.79	6.97
Total phosphorus	mg/L	0.225	0.307	0.294	0.179	0.161	0.175	0.242	0.188	0.208	0.256
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			239			ND			ND
Turbidity (flow proportioned avg daily value)	NTU	0.56	0.63	0.62	0.62	0.57	0.67	0.61	0.56	0.53	0.59
Uranium	pCi/L	0.000			0.271			0.226			0.550
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	41.4	31.0	25.9	28.6	29.4	29.4	24.3	33.3	32.3	29.8

Long Beach Water Reclamation Plant
2016 EFF-001A Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L			ND	ND	ND			EPA 1668			
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.39	7.5	4.3	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			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L			0.000	0.203	0.683			EPA 905.0		0.491 - 0.682	0.491 - 0.682
Sulfate	mg/L	89.9	92.4	77.8	89.1	101			EPA 300.0		0.110 - 0.160	1.00 - 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			SM 5540C		0.03	0.10
Temperature	Degrees F	79.6	75.8	74.9	79.5	84.2	86(5)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.40	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	No./100mL	ND	ND	ND	ND	ND	23(6)		SM 9222B		1	1
Total chlorinated hydrocarbons (TICH)	ug/L			ND	ND	ND			EPA 608			
Total cyanide	ug/L			ND	ND	ND			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	644	580	578	606	644			SM 2540C		2.7	50.0 - 62.5
Total hardness (CaCO3)	mg/L	169	160	158	166	178			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	3.12	3.16	0.830	2.92	5.14			EPA 351.2		0.135	0.200 - 0.400
Total nitrogen	mg/L	9.24	9.95	6.97	9.82	12.2			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.325	0.190	0.161	0.229	0.325			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C & SM 4500 Cl G		0.03 - 0.05	0.05 - 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			EPA 608	0.5	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 - 0.25	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.28	0.50
Tritium	pCi/L			ND	59.8	239			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.62	0.59	0.53	0.60	0.67	2		SM 2130B		0.12	0.12
Uranium	pCi/L			0.000	0.262	0.550			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	32.8	39.3	24.3	31.5	41.4	156(2)		EPA 200.8	1	0.60 - 0.66	1.00

(1) 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-354R (RSW-007).

(2) 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-354R (RSW-007).

(3) Compound found in the blank and sample.

(4) 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.

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

(6) 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
2016 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		
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	2.86						1.84		
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	3.40						2.53		
Benzene	ug/L	ND						DNQ Est. Conc. 0.39		
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. 9.2						DNQ Est. Conc. 5.8		
BOD5 20°C	mg/L	271	263	283	330	317	279	310	302	295
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.22						DNQ Est. Conc. 0.48		
Bromoform	ug/L	DNQ Est. Conc. 0.28						DNQ Est. Conc. 0.12		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	0.29						0.22		

Los Coyotes 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	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.27	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07 - 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 - 0.12	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.20	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 - 0.13	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	0.15 - 0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.10 - 0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.12 - 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 - 3.5	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.18 - 0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.20 - 0.37	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.11 - 0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11 - 0.36	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7 - 2.0	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20 - 0.22	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12 - 0.17	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.12 - 0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.66 - 1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21 - 0.28	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17 - 0.33	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3 - 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 - 0.38	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14 - 0.22	100
Acrolein	ug/L				ND	ND	ND	EPA 624		0.47 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.14 - 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
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.16 - 0.18	100
Antimony	ug/L				1.84	2.35	2.86	EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02	0.1
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	ug/L				2.53	2.97	3.40	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	DNQ Est. Conc. 0.39	EPA 624	2	0.15 - 0.18	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.6 - 1.7	50.0
Benzo(a)anthracene	ug/L				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 - 0.19	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13 - 0.14	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.13 - 0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22 - 0.23	100
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	0.002	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13 - 0.50	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16 - 0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 5.8	ND	DNQ Est. Conc. 9.2	EPA 625	5	0.17 - 0.25	20.0
BOD5 20°C	mg/L	282	280	257	257	289	330	SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.22	ND	DNQ Est. Conc. 0.48	EPA 624	2	0.11 - 0.17	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.12	ND	DNQ Est. Conc. 0.28	EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.10 - 0.16	100
Cadmium	ug/L				0.22	0.26	0.29	EPA 200.8	0.25	0.030 - 0.031	0.20

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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	DNQ Est. Conc. 0.29						DNQ Est. Conc. 0.16		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	9.4						57.6		
Chromium VI	ug/L	DNQ Est. Conc. 0.03						0.07		
Chromium, total	ug/L	4.13						3.07		
Chrysene	ug/L	ND						ND		
Copper	mg/L	0.11			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. 4.5						ND		
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	2.34						1.35		
Mercury	ug/L	0.12						0.05		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						0.76		
Methylene chloride	ug/L	0.62						0.99		
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	8.57						8.36		
Nitrobenzene	ug/L	ND						ND		
PCB-105	pg/L							82 (1)(2)		
PCB-114	pg/L							ND		
PCB-118	pg/L							190		
PCB-123	pg/L							DNQ Est. Conc. 8.6		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 210 (1)		
PCB-158	pg/L							DNQ Est. Conc. 22		
PCB-167	pg/L							ND		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 77		
PCB-177	pg/L							DNQ Est. Conc. 52		
PCB-183	pg/L							DNQ Est. Conc. 62 (1)(2)		
PCB-187	pg/L							DNQ Est. Conc. 110		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 26		
PCB-201	pg/L							DNQ Est. Conc. 9.4		
PCB-206	pg/L							DNQ Est. Conc. 22		
PCB-37	pg/L							DNQ Est. Conc. 36		
PCB-44	pg/L							96 (1)		
PCB-52	pg/L							340		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 220 (1)(2)		
PCB-66	pg/L							DNQ Est. Conc. 95		

Los Coyotes Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.14	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.16	ND	DNQ Est. Conc. 0.29	EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22 - 0.33	0.50
Chloroform	ug/L				9.4	34	57.6	EPA 624	2	0.18 - 0.19	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.03	0.04	0.07	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				3.07	3.60	4.13	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.13 - 0.17	100
Copper	mg/L	0.11			0.06	0.09	0.11	EPA 200.8	0.0005	0	0
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	0.10 - 0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12 - 0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.14 - 0.15	100
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 4.5	EPA 625	2	0.21 - 0.27	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19 - 0.26	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 - 0.19	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.10 - 0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18 - 0.30	100
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.0009	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	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.11 - 0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14 - 0.33	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.52 - 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	0.13 - 0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.25	10.0
Lead	ug/L				1.35	1.85	2.34	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L				0.05	0.09	0.12	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	0.38	0.76	EPA 624	2	0.15 - 0.36	0.50
Methylene chloride	ug/L				0.62	0.81	0.99	EPA 624	2	0.09 - 0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	0.12 - 0.19	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	0.14 - 0.32	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.23	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.18	10.0
Nickel	ug/L				8.36	8.47	8.57	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
PCB-105	pg/L				82 (1)(2)	82	82 (1)(2)	EPA 1668		7.9	20
PCB-114	pg/L				ND	ND	ND	EPA 1668		7.7	20
PCB-118	pg/L				190	190	190	EPA 1668		7.4	20
PCB-123	pg/L				DNQ Est. Conc. 8.6	ND	DNQ Est. Conc. 8.6	EPA 1668		7.7	20
PCB-126	pg/L				ND	ND	ND	EPA 1668		8.5	20
PCB-129/138/163	pg/L				DNQ Est. Conc. 210 (1)	ND	DNQ Est. Conc. 210 (1)	EPA 1668		7.8	610
PCB-158	pg/L				DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		6.3	200
PCB-167	pg/L				ND	ND	ND	EPA 1668		6.6	20
PCB-169	pg/L				ND	ND	ND	EPA 1668		10	20
PCB-170	pg/L				DNQ Est. Conc. 77	ND	DNQ Est. Conc. 77	EPA 1668		3.7	200
PCB-177	pg/L				DNQ Est. Conc. 52	ND	DNQ Est. Conc. 52	EPA 1668		3.6	200
PCB-183	pg/L				DNQ Est. Conc. 62 (1)(2)	ND	DNQ Est. Conc. 62 (1)(2)	EPA 1668		2.5	200
PCB-187	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		6.1	200
PCB-189	pg/L				ND	ND	ND	EPA 1668		11	20
PCB-194	pg/L				DNQ Est. Conc. 26	ND	DNQ Est. Conc. 26	EPA 1668		9.2	200
PCB-201	pg/L				DNQ Est. Conc. 9.4	ND	DNQ Est. Conc. 9.4	EPA 1668		4.1	200
PCB-206	pg/L				DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		15	200
PCB-37	pg/L				DNQ Est. Conc. 36	ND	DNQ Est. Conc. 36	EPA 1668		12	200
PCB-44	pg/L				96 (1)	96	96 (1)	EPA 1668			5.3
PCB-52	pg/L				340	340	340	EPA 1668		2.9	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 220 (1)(2)	ND	DNQ Est. Conc. 220 (1)(2)	EPA 1668		5.2	810
PCB-66	pg/L				DNQ Est. Conc. 95	ND	DNQ Est. Conc. 95	EPA 1668		5.5	200

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Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-77	pg/L							DNQ Est. Conc. 17		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 180		
PCB-90/101/113	pg/L							DNQ Est. Conc. 210 (1)		
PCB-99	pg/L							DNQ Est. Conc. 82 (1)(2)		
PCB-110/115	pg/L							DNQ Est. Conc. 230 (1)		
PCB-128/166	pg/L							DNQ Est. Conc. 27		
PCB-135/151	pg/L							DNQ Est. Conc. 70		
PCB-147/149	pg/L							DNQ Est. Conc. 170 (1)		
PCB-153/168	pg/L							DNQ Est. Conc. 210 (1)(2)		
PCB-156/157	pg/L							DNQ Est. Conc. 31		
PCB-18/30	pg/L							DNQ Est. Conc. 74 (1)		
PCB-180/193	pg/L							DNQ Est. Conc. 230		
PCB-20/28	pg/L							DNQ Est. Conc. 150 (1)		
PCB-49/69	pg/L							DNQ Est. Conc. 88		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	36.9						41.1		
pH	SU	7.5	7.3	7.3	7.1	7.1	7.2	7.1	7.1	7.3
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L							0.000708		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.65						1.05		
Silver	ug/L	1.18						DNQ Est. Conc. 0.15		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	DNQ Est. Conc. 0.020						ND		
Toluene	ug/L	3.5						1.7		
Total cyanide	mg/L	DNQ Est. Conc. 0.0011						DNQ Est. Conc. 0.0011		
Total suspended solids	mg/L	300	303	323	338	341	268	300	277	269
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	240						79.4		

Los Coyotes Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-77	pg/L				DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668		7.5	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		7.0	20
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668		7.2	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 210 (1)	ND	DNQ Est. Conc. 210 (1)	EPA 1668		7.4	610
PCB-99	pg/L				DNQ Est. Conc. 82 (1)(2)	ND	DNQ Est. Conc. 82 (1)(2)	EPA 1668		7.3	200
PCB-110/115	pg/L				DNQ Est. Conc. 230 (1)	ND	DNQ Est. Conc. 230 (1)	EPA 1668		6.5	400
PCB-128/166	pg/L				DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27	EPA 1668		7.9	400
PCB-135/151	pg/L				DNQ Est. Conc. 70	ND	DNQ Est. Conc. 70	EPA 1668		8.4	400
PCB-147/149	pg/L				DNQ Est. Conc. 170 (1)	ND	DNQ Est. Conc. 170 (1)	EPA 1668		8.0	400
PCB-153/168	pg/L				DNQ Est. Conc. 210 (1)(2)	ND	DNQ Est. Conc. 210 (1)(2)	EPA 1668		6.6	400
PCB-156/157	pg/L				DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31	EPA 1668		9.2	40
PCB-18/30	pg/L				DNQ Est. Conc. 74 (1)	ND	DNQ Est. Conc. 74 (1)	EPA 1668		5.0	400
PCB-180/193	pg/L				DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668		3.0	400
PCB-20/28	pg/L				DNQ Est. Conc. 150 (1)	ND	DNQ Est. Conc. 150 (1)	EPA 1668		12	400
PCB-49/69	pg/L				DNQ Est. Conc. 88	ND	DNQ Est. Conc. 88	EPA 1668		2.3	400
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38 - 0.64	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.11 - 0.19	50.0
Phenol	ug/L				36.9	39.0	41.1	EPA 625	1	0.10 - 0.14	10.0
pH	SU	7.4	7.2	7.4	7.1	7.3	7.5	SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L				0.000708	0.000708	0.000708	EPA 1668			
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19 - 0.27	100
Selenium	ug/L				1.05	1.35	1.65	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				DNQ Est. Conc. 0.15	0.59	1.18	EPA 200.8	0.25	0.01 - 0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.40	0.50
Thallium	ug/L				ND	ND	DNQ Est. Conc. 0.020	EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L				1.7	2.6	3.5	EPA 624	2	0.19	0.50
Total cyanide	mg/L				DNQ Est. Conc. 0.0011	ND	DNQ Est. Conc. 0.0011	SM 4500 CN E	0.005	0.0010	0.0050
Total suspended solids	mg/L	253	288	289	253	296	341	SM 2540D		2.5	83.3 - 100
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 - 0.25	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L				79.4	160	240	EPA 200.8	1	0.60 - 0.66	1.00 - 5.00

(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
2016 EFF-001A 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. 2.6						DNQ Est. Conc. 1.9		
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 2.2						DNQ Est. Conc. 0.85		
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.6						ND		
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.9						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L	DNQ Est. Conc. 2.4						ND		
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.8						ND		
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.5						ND		
1,2,3,7,8-PentaCDD	pg/L	DNQ Est. Conc. 0.83						ND		
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.1						ND		
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 1.5						DNQ Est. Conc. 0.86		
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 1.9						DNQ Est. Conc. 0.74		
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	1.8						2.0		
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. 1.8						DNQ Est. Conc. 0.83		
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.4						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 0.33						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. 0.28						DNQ Est. Conc. 0.14		
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	1.38	1.84	1.02	1.44	1.25	1.29	1.53	0.858	1.35
Anthracene	ug/L	ND						ND		
Antimony	ug/L	2.03			2.01			2.53		
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
2016 EFF-001A 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	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.21 - 0.27	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.07 - 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 - 0.12	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.12 - 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			EPA524.2/EPA524.2(TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L				DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 2.6			EPA 1613B		0.13 - 0.36	51 - 53
1,2,3,4,6,7,8-HeptaCDF	pg/L				DNQ Est. Conc. 0.85	ND	DNQ Est. Conc. 2.2			EPA 1613B		0.21 - 0.38	51 - 53
1,2,3,4,7,8-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.24 - 0.38	51 - 53
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.9			EPA 1613B		0.25 - 0.42	51 - 53
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 2.4			EPA 1613B		0.29 - 0.48	51 - 53
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.23 - 0.40	51 - 53
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.22 - 0.41	51 - 53
1,2,3,7,8-PentaCDD	pg/L				ND	ND	DNQ Est. Conc. 0.83			EPA 1613B		0.24 - 0.68	51 - 53
1,2,3,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.25 - 0.40	51 - 53
1,2,3,7,8,9-HexaCDD	pg/L				DNQ Est. Conc. 0.86	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.20 - 0.32	51 - 53
1,2,3,7,8,9-HexaCDF	pg/L				DNQ Est. Conc. 0.74	ND	DNQ Est. Conc. 1.9			EPA 1613B		0.15 - 0.36	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 - 0.13	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	0.15 - 0.16	0.50
1,4-Dioxane	ug/L				1.8	1.9	2.0			SW-846 8270MOD		0.09 - 0.13	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.10 - 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
2,3,4,6,7,8-HexaCDF	pg/L				DNQ Est. Conc. 0.83	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.16 - 0.37	51 - 53
2,3,4,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.4			EPA 1613B		0.26 - 0.42	51 - 53
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		0.21 - 0.49	10 - 11
2,3,7,8-TetraCDF	pg/L				ND	ND	DNQ Est. Conc. 0.33			EPA 1613B		0.15 - 0.43	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				DNQ Est. Conc. 0.14	ND	DNQ Est. Conc. 0.28			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	0.01
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	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.47 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.14 - 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
Ammonia as nitrogen	mg/L	1.28	1.37	1.20	0.858	1.32	1.84	10.5	5.5	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	1.83			1.83	2.10	2.53			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608	0.5	0.02	0.1
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

Los Coyotes Water Reclamation Plant
2016 EFF-001A Monitoring Results

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	1.03			DNQ Est. Conc. 0.82			1.23		
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
Benzo(b)fluoranthene	ug/L	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
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	0.38	0.37	0.42	0.44	0.42	0.39	0.40	0.36	0.40
Bromodichloromethane	ug/L	2.7						4.1		
Bromoform	ug/L	ND						DNQ Est. Conc. 0.12		
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	167	205	182	185	175	186	187	180	183
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.42						0.74		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	10.4						12.7		
Chromium III	ug/L	1.54			0.68			1.05		
Chromium VI	ug/L	DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.04		
Chromium, total	ug/L	1.54			0.68			1.05		
Chromium, total (24-hr composite)	ug/L	0.63			0.76			0.56		
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	1.82	1.80	1.76	1.41	1.47	3.41	2.01	1.87	1.53
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	ND
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						ND		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	6.1	7.8	7.6	7.7	7.2	7.3	6.6	6.8	7.0
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	0.438			0.479			0.423		
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.006						ND		
Gross alpha radioactivity	pCi/L	1.39			1.42			2.48		
Gross beta radioactivity	pCi/L	4.13			11.9			5.63		
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		

Los Coyotes Water Reclamation Plant
2016 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			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	0.1
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	ug/L	DNQ Est. Conc. 0.86			DNQ Est. Conc. 0.82	0.57	1.23			EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15 - 0.18	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	0.005
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	3.0
Boron	mg/L	0.37	0.41	0.40	0.36	0.40	0.44			EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L				2.7	3.4	4.1			EPA 624	2	0.11 - 0.17	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.12			EPA 624	2	0.10 - 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	0.21 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.01	0.05
Chloride	mg/L	193	194	174	167	184	205			EPA 300.0		0.050 - 0.290	8.00 - 20.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11 - 0.14	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.42	0.37	0.74			EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.22 - 0.33	0.50
Chloroform	ug/L				10.4	11.6	12.7			EPA 624	2	0.18 - 0.19	0.50
Chromium III	ug/L	0.60			0.60	0.97	1.54			EPA 200.8			0.50
Chromium VI	ug/L	DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.02	ND	DNQ Est. Conc. 0.04			EPA 218.6 (Diss.)		0.01	0.05
Chromium, total	ug/L	0.60			0.60	0.97	1.54			EPA 200.8	0.5	0.11	0.50
Chromium, total (24-hr composite)	ug/L	0.52			0.52	0.62	0.76			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Copper	ug/L	1.75	2.08	1.63	1.41	1.88	3.41	32	12	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.004	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	7.4	7.5	7.7	6.1	7.2	7.8			SM 4500 O G		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	0.01
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 - 0.19	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	0.473			0.423	0.453	0.479			SM 4500 F C		0.003	0.100
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.006			EPA 608	0.02	0.0009	0.01
Gross alpha radioactivity	pCi/L	1.27			1.27	1.64	2.48			EPA 900.0		0.867 - 2.84	0.867 - 2.84
Gross beta radioactivity	pCi/L	12.2			4.13	8.47	12.2			EPA 900.0		1.18 - 3.20	1.18 - 3.20
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	0.01
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

Los Coyotes Water Reclamation Plant
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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	ND
Isophorone	ug/L	ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.19			DNQ Est. Conc. 0.15			DNQ Est. Conc. 0.19		
Mercury	ug/L	0.0015			0.0014			DNQ Est. Conc. 0.001		
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						DNQ Est. Conc. 0.14		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.47						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	4.14			3.54			3.91		
Nitrate + nitrite as nitrogen	mg/L	5.31	5.36	5.55	4.94	5.76	5.55	7.15	6.00	5.61
Nitrate as nitrogen	mg/L	5.31	5.30	5.51	4.93	5.70	5.49	7.09	5.98	5.51
Nitrite as nitrogen	mg/L	ND	0.060	0.036	ND	0.055	0.064	0.057	ND	0.098
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	DNQ Est. Conc. 7.9						DNQ Est. Conc. 8.8		
OctaCDF	pg/L	DNQ Est. Conc. 4.4						DNQ Est. Conc. 3.4		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	1.08	1.04	1.76	0.816	1.01	0.910	0.324	1.14	1.15
Orthophosphate-P	mg/L	0.069	0.073	0.063	0.063	0.059	0.091	0.114	0.102	0.070
PCB-105	pg/L							DNQ Est. Conc. 2.3 (1)(2)		
PCB-114	pg/L							ND		
PCB-118	pg/L							DNQ Est. Conc. 4.7 (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							DNQ Est. Conc. 1.6		
PCB-177	pg/L							DNQ Est. Conc. 1.1		
PCB-183	pg/L							DNQ Est. Conc. 1.7 (1)(2)		
PCB-187	pg/L							DNQ Est. Conc. 1.5		
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. 3.5		
PCB-52	pg/L							DNQ Est. Conc. 19 (1)		
PCB-66	pg/L							DNQ Est. Conc. 3.7		
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-99	pg/L							DNQ Est. Conc. 2.7 (1)(2)		
PCB-129/138/163	pg/L							DNQ Est. Conc. 5.7 (1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 9.3 (1)(2)		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 6.1		
PCB-90/101/113	pg/L							DNQ Est. Conc. 7.2 (1)		
PCB-110/115	pg/L							DNQ Est. Conc. 9.0 (1)		
PCB-128/166	pg/L							ND		
PCB-135/151	pg/L							DNQ Est. Conc. 2.1		
PCB-147/149	pg/L							DNQ Est. Conc. 3.7 (1)		
PCB-153/168	pg/L							DNQ Est. Conc. 3.7 (1)(2)		
PCB-156/157	pg/L							DNQ Est. Conc. 1.2		
PCB-18/30	pg/L							DNQ Est. Conc. 13 (1)		
PCB-180/193	pg/L							DNQ Est. Conc. 2.7		
PCB-20/28	pg/L							DNQ Est. Conc. 16 (1)		
PCB-44/47/65	pg/L							DNQ Est. Conc. 280 (1)		
PCB-49/69	pg/L							DNQ Est. Conc. 11		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	ND						0.5		
Phenanthrene	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			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. 0.08			DNQ Est. Conc. 0.08	ND	DNQ Est. Conc. 0.19			EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.0021			DNQ Est. Conc. 0.001	0.001	0.0021			EPA 1631E		0.00031 - 0.31	0.00050 - 0.50
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.21 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.15 - 0.36	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.06 - 0.12	0.50
Methylene chloride	ug/L				ND	ND	DNQ Est. Conc. 0.14			EPA 624	2	0.09 - 0.18	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	0.47			EPA1625(Mod.)/EPA625	5	0.0003 - 0.14	0.0020 - 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	2.76			2.76	3.59	4.14			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	5.45	5.07	4.83	4.83	5.55	7.15		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	5.38	4.99	4.77	4.77	5.50	7.09			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.065	0.083	0.062	ND	0.048	0.098		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L				DNQ Est. Conc. 7.9	ND	DNQ Est. Conc. 8.8			EPA 1613B		0.18 - 0.43	100 - 110
OctaCDF	pg/L				DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 4.4			EPA 1613B		0.36 - 0.50	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	15	10	EPA 1664A		0.8 - 1.2	4.2 - 6.1
Organic nitrogen	mg/L	0.960	1.33	1.46	0.324	1.08	1.76			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L	0.064	0.068	0.049	0.049	0.074	0.114			EPA 365.1		0.001	0.030
PCB-105	pg/L				DNQ Est. Conc. 2.3 (1)(2)	ND	DNQ Est. Conc. 2.3 (1)(2)			EPA 1668		0.76	21
PCB-114	pg/L				ND	ND	ND			EPA 1668		0.78	21
PCB-118	pg/L				DNQ Est. Conc. 4.7 (1)	ND	DNQ Est. Conc. 4.7 (1)			EPA 1668		0.75	21
PCB-123	pg/L				ND	ND	ND			EPA 1668		0.78	21
PCB-126	pg/L				ND	ND	ND			EPA 1668		0.78	21
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.52	210
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.49	21
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.58	21
PCB-170	pg/L				DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6			EPA 1668		0.61	210
PCB-177	pg/L				DNQ Est. Conc. 1.1	ND	DNQ Est. Conc. 1.1			EPA 1668		0.58	210
PCB-183	pg/L				DNQ Est. Conc. 1.7 (1)(2)	ND	DNQ Est. Conc. 1.7 (1)(2)			EPA 1668		0.41	210
PCB-187	pg/L				DNQ Est. Conc. 1.5	ND	DNQ Est. Conc. 1.5			EPA 1668		0.81	210
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.82	21
PCB-194	pg/L				ND	ND	ND			EPA 1668		0.73	210
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.57	210
PCB-206	pg/L				ND	ND	ND			EPA 1668		2.7	210
PCB-37	pg/L				DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5			EPA 1668		2.0	210
PCB-52	pg/L				DNQ Est. Conc. 19 (1)	ND	DNQ Est. Conc. 19 (1)			EPA 1668		1.0	210
PCB-66	pg/L				DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 3.7			EPA 1668		1.3	210
PCB-77	pg/L				ND	ND	ND			EPA 1668		1.2	21
PCB-81	pg/L				ND	ND	ND			EPA 1668		1.2	21
PCB-99	pg/L				DNQ Est. Conc. 2.7 (1)(2)	ND	DNQ Est. Conc. 2.7 (1)(2)			EPA 1668		0.88	210
PCB-129/138/163	pg/L				DNQ Est. Conc. 5.7 (1)	ND	DNQ Est. Conc. 5.7 (1)			EPA 1668		0.64	620
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 9.3 (1)(2)	ND	DNQ Est. Conc. 9.3 (1)(2)			EPA 1668		1.2	820
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 6.1			EPA 1668		0.87	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 7.2 (1)	ND	DNQ Est. Conc. 7.2 (1)			EPA 1668		0.89	620
PCB-110/115	pg/L				DNQ Est. Conc. 9.0 (1)	ND	DNQ Est. Conc. 9.0 (1)			EPA 1668		0.78	410
PCB-128/166	pg/L				ND	ND	ND			EPA 1668		0.65	410
PCB-135/151	pg/L				DNQ Est. Conc. 2.1	ND	DNQ Est. Conc. 2.1			EPA 1668		0.69	410
PCB-147/149	pg/L				DNQ Est. Conc. 3.7 (1)	ND	DNQ Est. Conc. 3.7 (1)			EPA 1668		0.65	410
PCB-153/168	pg/L				DNQ Est. Conc. 3.7 (1)(2)	ND	DNQ Est. Conc. 3.7 (1)(2)			EPA 1668		0.54	410
PCB-156/157	pg/L				DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 1.2			EPA 1668		0.64	41
PCB-18/30	pg/L				DNQ Est. Conc. 13 (1)	ND	DNQ Est. Conc. 13 (1)			EPA 1668		1.5	410
PCB-180/193	pg/L				DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7			EPA 1668		0.48	410
PCB-20/28	pg/L				DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		2.2	410
PCB-44/47/65	pg/L				DNQ Est. Conc. 280 (1)	ND	DNQ Est. Conc. 280 (1)			EPA 1668		0.96	620
PCB-49/69	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668		0.84	410
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.38	1.0
Perchlorate	ug/L				ND	0.3	0.5			EPA 331.0		0.0201 - 0.201	0.05 - 0.5
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0

Los Coyotes Water Reclamation Plant
2016 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			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. 0.08			DNQ Est. Conc. 0.08	ND	DNQ Est. Conc. 0.19			EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.0021			DNQ Est. Conc. 0.001	0.001	0.0021			EPA 1631E		0.00031 - 0.31	0.00050 - 0.50
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.21 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.15 - 0.36	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.06 - 0.12	0.50
Methylene chloride	ug/L				ND	ND	DNQ Est. Conc. 0.14			EPA 624	2	0.09 - 0.18	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	0.47			EPA1625(Mod.)/EPA625	5	0.0003 - 0.14	0.0020 - 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	2.76			2.76	3.59	4.14			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	5.45	5.07	4.83	4.83	5.55	7.15		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	5.38	4.99	4.77	4.77	5.50	7.09			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.065	0.083	0.062	ND	0.048	0.098		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L				DNQ Est. Conc. 7.9	ND	DNQ Est. Conc. 8.8			EPA 1613B		0.18 - 0.43	100 - 110
OctaCDF	pg/L				DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 4.4			EPA 1613B		0.36 - 0.50	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	15	10	EPA 1664A		0.8 - 1.2	4.2 - 6.1
Organic nitrogen	mg/L	0.960	1.33	1.46	0.324	1.08	1.76			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L	0.064	0.068	0.049	0.049	0.074	0.114			EPA 365.1		0.001	0.030
PCB-105	pg/L				DNQ Est. Conc. 2.3 (1)(2)	ND	DNQ Est. Conc. 2.3 (1)(2)			EPA 1668		0.76	21
PCB-114	pg/L				ND	ND	ND			EPA 1668		0.78	21
PCB-118	pg/L				DNQ Est. Conc. 4.7 (1)	ND	DNQ Est. Conc. 4.7 (1)			EPA 1668		0.75	21
PCB-123	pg/L				ND	ND	ND			EPA 1668		0.78	21
PCB-126	pg/L				ND	ND	ND			EPA 1668		0.78	21
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.52	210
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.49	21
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.58	21
PCB-170	pg/L				DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6			EPA 1668		0.61	210
PCB-177	pg/L				DNQ Est. Conc. 1.1	ND	DNQ Est. Conc. 1.1			EPA 1668		0.58	210
PCB-183	pg/L				DNQ Est. Conc. 1.7 (1)(2)	ND	DNQ Est. Conc. 1.7 (1)(2)			EPA 1668		0.41	210
PCB-187	pg/L				DNQ Est. Conc. 1.5	ND	DNQ Est. Conc. 1.5			EPA 1668		0.81	210
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.82	21
PCB-194	pg/L				ND	ND	ND			EPA 1668		0.73	210
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.57	210
PCB-206	pg/L				ND	ND	ND			EPA 1668		2.7	210
PCB-37	pg/L				DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5			EPA 1668		2.0	210
PCB-52	pg/L				DNQ Est. Conc. 19 (1)	ND	DNQ Est. Conc. 19 (1)			EPA 1668		1.0	210
PCB-66	pg/L				DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 3.7			EPA 1668		1.3	210
PCB-77	pg/L				ND	ND	ND			EPA 1668		1.2	21
PCB-81	pg/L				ND	ND	ND			EPA 1668		1.2	21
PCB-99	pg/L				DNQ Est. Conc. 2.7 (1)(2)	ND	DNQ Est. Conc. 2.7 (1)(2)			EPA 1668		0.88	210
PCB-129/138/163	pg/L				DNQ Est. Conc. 5.7 (1)	ND	DNQ Est. Conc. 5.7 (1)			EPA 1668		0.64	620
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 9.3 (1)(2)	ND	DNQ Est. Conc. 9.3 (1)(2)			EPA 1668		1.2	820
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 6.1			EPA 1668		0.87	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 7.2 (1)	ND	DNQ Est. Conc. 7.2 (1)			EPA 1668		0.89	620
PCB-110/115	pg/L				DNQ Est. Conc. 9.0 (1)	ND	DNQ Est. Conc. 9.0 (1)			EPA 1668		0.78	410
PCB-128/166	pg/L				ND	ND	ND			EPA 1668		0.65	410
PCB-135/151	pg/L				DNQ Est. Conc. 2.1	ND	DNQ Est. Conc. 2.1			EPA 1668		0.69	410
PCB-147/149	pg/L				DNQ Est. Conc. 3.7 (1)	ND	DNQ Est. Conc. 3.7 (1)			EPA 1668		0.65	410
PCB-153/168	pg/L				DNQ Est. Conc. 3.7 (1)(2)	ND	DNQ Est. Conc. 3.7 (1)(2)			EPA 1668		0.54	410
PCB-156/157	pg/L				DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 1.2			EPA 1668		0.64	41
PCB-18/30	pg/L				DNQ Est. Conc. 13 (1)	ND	DNQ Est. Conc. 13 (1)			EPA 1668		1.5	410
PCB-180/193	pg/L				DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7			EPA 1668		0.48	410
PCB-20/28	pg/L				DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		2.2	410
PCB-44/47/65	pg/L				DNQ Est. Conc. 280 (1)	ND	DNQ Est. Conc. 280 (1)			EPA 1668		0.96	620
PCB-49/69	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668		0.84	410
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.38	1.0
Perchlorate	ug/L				ND	0.3	0.5			EPA 331.0		0.0201 - 0.201	0.05 - 0.5
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0

Los Coyotes Water Reclamation Plant
2016 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Phenol	ug/L	DNQ Est. Conc. 0.15						DNQ Est. Conc. 0.20		
pH	SU	7.3	7.4	7.3	7.3	7.4	7.3	7.4	7.3	7.4
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L							ND		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.43			DNQ Est. Conc. 0.39			DNQ Est. Conc. 0.36		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			DNQ Est. Conc. 0.01		
Strontium-90	pCi/L	0.318			ND			0		
Sulfate	mg/L	192	214	186	197	163	217	184	207	199
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	0.11	ND	ND	ND	ND	ND	ND	ND
Temperature	Degrees F	74.1	76.1	77.5	79.3	80.6	82.6	85.1	85.0	84.5
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND			ND			ND		
Toluene	ug/L	ND						ND		
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. 1.25			ND			DNQ Est. Conc. 2.49		
Total Detectable PCBs	ug/L	ND						ND		
Total dissolved solids	mg/L	889	943	857	889	796	923	907	913	913
Total hardness (CaCO3)	mg/L	247	264	255	266	262	273	264	261	262
Total Kjeldahl Nitrogen (TKN)	mg/L	2.46	2.88	2.78	2.26	2.26	2.20	1.85	2.00	2.50
Total nitrogen	mg/L	7.77	8.24	8.33	7.20	8.02	7.75	9.00	8.00	8.11
Total phosphorus	mg/L	0.104	0.118	0.102	0.122	0.104	0.148	0.155	0.166	0.121
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			226			ND		
Turbidity (flow proportioned avg daily value)	NTU	0.53	0.61	0.65	0.68	0.68	0.70	0.74	0.69	0.81
Uranium	pCi/L	0.107			0.452			0.377		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	42.8			32.7			51.0		

Los Coyotes Water Reclamation Plant
2016 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Phenol	ug/L				DNQ Est. Conc. 0.15	ND	DNQ Est. Conc. 0.20			EPA 625	1	0.14	1.0
pH	SU	7.4	7.3	7.4	7.3	7.4	7.4			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
Selenium	ug/L	DNQ Est. Conc. 0.30			DNQ Est. Conc. 0.30	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	0.205			ND	0.103	0.318			EPA 905.0		0.491 - 0.682	0.491 - 0.682
Sulfate	mg/L	214	215	189	163	198	217			EPA 300.0		0.110 - 0.160	2.00 - 5.00
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	0.0092	0.11			SM 5540C		0.03	0.10
Temperature	Degrees F	82.8	80.6	76.3	74.1	80.4	85.1	86 (3)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.40	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			EPA 624	2	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 (4)		SM 9222B		1	1
Total cyanide	ug/L		ND		ND	ND	DNQ Est. Conc. 2.49	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	903	950	827	796	893	950			SM 2540C		2.7	71.4 - 100
Total hardness (CaCO3)	mg/L	271	271	261	247	263	273			EPA 200.8 & SM 2340C			0.05 - 12
Total Kjeldahl Nitrogen (TKN)	mg/L	2.24	2.70	2.66	1.85	2.40	2.88			EPA 351.2		0.135	0.400
Total nitrogen	mg/L	7.69	7.77	7.49	7.20	7.95	9.00			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.106	0.106	0.113	0.102	0.122	0.166			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM4500 Cl C/SM4500 Cl G		0.03 - 0.05	0.05 - 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	0.08	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 - 0.25	0.50
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.20 - 0.28	0.50
Tritium	pCi/L	384			ND	153	384			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.77	0.61	0.60	0.53	0.68	0.81	2		SM 2130B		0.12	0.12
Uranium	pCi/L	0.660			0.107	0.399	0.660			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	38.4			32.7	41.2	51.0			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.

(3) The temperature of wastes discharged shall not exceed 86 oF except as a result of external ambient temperature.

(4) 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
2016 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
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								
1,3-Dichloropropene (Total)	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-Endosulfan	ug/L	ND								
alpha-Hexachlorocyclohexane (BHC)	ug/L	ND								
Ammonia as nitrogen	mg/L	38.4	41.6	42.6	48.4	47.4	42.0	41.2	37.8	42.0
Anthracene	ug/L	ND								
Antimony	ug/L	0.74								
Arsenic	ug/L	1.65								
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								
Beryllium	ug/L	ND								
beta-Endosulfan	ug/L	ND								
beta-Hexachlorocyclohexane	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								

Palmdale Water Reclamation Plant
2016 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	0.001	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-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	0.002	0.01
Ammonia as nitrogen	mg/L	43.2		46.2	37.8	42.8	48.4	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				0.74	0.74	0.74	EPA 200.8	0.5	0.32	0.50
Arsenic	ug/L				1.65	1.65	1.65	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
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-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
beta-Hexachlorocyclohexane	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				ND	ND	ND	EPA 625	5	0.25	20.0

Palmdale Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Bromodichloromethane	ug/L	ND							0.61	
Bromoform	ug/L	0.53							2.1	
Butyl benzyl phthalate	ug/L	ND								
Cadmium	ug/L	ND								
Carbon tetrachloride	ug/L	ND								
Chlordane	ug/L	ND								
Chlorobenzene	ug/L	ND								
Chlorodibromomethane	ug/L	ND							1.4	
Chloroethane	ug/L	ND								
Chloroform	ug/L	1.2							1.1	
Chromium VI	ug/L	0.11								
Chromium, total	ug/L	6.63								
Chrysene	ug/L	ND								
Copper	ug/L	39.8								
delta-Hexachlorocyclohexane	ug/L	ND								
Di-n-butyl phthalate	ug/L	ND								
Di-n-octyl phthalate	ug/L	ND								
Dibenzo(a,h)anthracene	ug/L	ND								
Dieldrin	ug/L	ND								
Diesel range organics	ug/L	8630			5760				3190	
Diethyl phthalate	ug/L	ND								
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								
Gasoline range organics	ug/L	ND			ND				ND	
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	ug/L	0.81								
Lindane (gamma-Hexachlorocyclohexane)	ug/L	ND								
Mercury	ug/L	ND								
Methyl bromide (Bromomethane)	ug/L	ND								
Methyl chloride (Chloromethane)	ug/L	ND								
Methylene chloride	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	ug/L	2.62								
Nitrate as nitrogen	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ug/L	ND								
Pentachlorophenol	ug/L	ND								
Phenanthrene	ug/L	ND								
Phenols	ug/L	84								
Phenol	ug/L	31.7								
Pyrene	ug/L	ND								
Selenium	ug/L	1.20								
Silver	ug/L	0.32								

Palmdale Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Bromodichloromethane	ug/L				ND	0.31	0.61	EPA 624	2	0.17	0.50
Bromoform	ug/L				0.53	1.3	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				ND	ND	ND	EPA 200.8	0.25	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	0.01	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L				ND	0.70	1.4	EPA 624	2	0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chloroform	ug/L				1.1	1.2	1.2	EPA 624	2	0.18	0.50
Chromium VI	ug/L				0.11	0.11	0.11	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				6.63	6.63	6.63	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L				39.8	39.8	39.8	EPA 200.8	0.5	0.11	0.50
delta-Hexachlorocyclohexane	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
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L	10100			3190	6920	10100	SW8015 Diesel/Oil Organics		22 - 33	500 - 2500
Diethyl phthalate	ug/L				ND	ND	ND	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	0.009	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
Gasoline range organics	ug/L	ND			ND	ND	ND	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
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0
Lead	ug/L				0.81	0.81	0.81	EPA 200.8	0.5	0.01	0.25
Lindane (gamma-Hexachlorocyclohexane)	ug/L				ND	ND	ND	EPA 608	0.02	0.0009	0.01
Mercury	ug/L				ND	ND	ND	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Methylene chloride	ug/L				ND	ND	ND	EPA 624	2	0.18	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				2.62	2.62	2.62	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				84	84	84	EPA 420.1		2	30
Phenol	ug/L				31.7	31.7	31.7	EPA 625	1	0.14	10.0
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L				1.20	1.20	1.20	EPA 200.8	2	0.04	1.00
Silver	ug/L				0.32	0.32	0.32	EPA 200.8	0.25	0.02	0.20

Palmdale Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Tetrachloroethene	ug/L	ND								
Thallium	ug/L	ND								
Toluene	ug/L	0.75								
Total BOD5	mg/L	294	295	302	287	290	282	266	267	303
Total COD	mg/L	639	666	747	791	714	632	664	662	710
Total cyanide	ug/L	18.5								
Total dissolved solids	mg/L	504						582		
Total Kjeldahl Nitrogen (TKN)	mg/L	56.0	57.2	53.0	68.8	63.8	58.5	61.2	45.2	47.8
Total trihalomethanes	ug/L	1.7							5.2	
Toxaphene	ug/L	ND								
trans-1,2-Dichloroethene	ug/L	ND								
Trichloroethene	ug/L	ND								
Vinyl chloride	ug/L	ND								
Zinc	ug/L	180								

Palmdale Water Reclamation Plant
2016 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				0.75	0.75	0.75	EPA 624	2	0.19	0.50
Total BOD5	mg/L	327	321	315	266	296	327	SM 5210B		0.4	85.7 - 120
Total COD	mg/L	889	758	1109	632	748	1109	SM 5220D (std)		8.5	25.0 - 50.0
Total cyanide	ug/L				18.5	18.5	18.5	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L				504	543	582	SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	55.5		64.3	45.2	57.4	68.8	EPA 351.2		0.135	5.00 - 25.0
Total trihalomethanes	ug/L				1.7	3.5	5.2	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
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20	0.50
Zinc	ug/L				180	180	180	EPA 200.8	1	0.60	1.00

Palmdale WRP Effluent Monitoring

Palmdale Water Reclamation Plant
2016 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		
1,3-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	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-Endosulfan	ug/L	ND							ND		
alpha-Hexachlorocyclohexane (BHC)	ug/L	ND							ND		
Ammonia as nitrogen	mg/L	3.83	3.25	2.54	3.25	2.14	1.81	1.84	2.04	1.56	1.46
Anthracene	ug/L	ND							ND		
Antimony	ug/L	DNQ Est. Conc. 0.44							0.56		
Arsenic	ug/L	DNQ Est. Conc. 0.75							DNQ Est. Conc. 0.41		
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			ND				ND		ND
BOD5, filtered	mg/L	ND	ND	ND	ND	ND	8.3	ND	ND	ND	ND
Bromodichloromethane	ug/L	0.65			DNQ Est. Conc. 0.43				0.55		0.56

Palmdale Water Reclamation Plant
2016 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	0.20	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	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	0.01
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	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	0.005
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	0.002	0.01
Ammonia as nitrogen	mg/L		2.00	1.46	2.34	3.83			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. 0.44	0.28	0.56			EPA 200.8	0.5	0.32	0.50
Arsenic	ug/L			DNQ Est. Conc. 0.41	ND	DNQ Est. Conc. 0.75			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	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-Endosulfan	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
beta-Hexachlorocyclohexane	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	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, filtered	mg/L	ND	ND	ND	0.69	8.3	30	10	SM 5210B		0.4	3.0
Bromodichloromethane	ug/L			DNQ Est. Conc. 0.43	0.44	0.65			EPA 624	2	0.09 - 0.17	0.50

Palmdale Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Bromoform	ug/L	ND			DNQ Est. Conc. 0.18				ND		ND
Butyl benzyl phthalate	ug/L	ND							ND		
Cadmium	ug/L	ND							ND		
Calcium	mg/L	36.5			42.4				38.2		38.8
Carbon tetrachloride	ug/L	ND							ND		
Chemical oxygen demand (COD)	mg/L	ND	27.8	ND	27.4	25.3	ND	ND	25.1	ND	32.6
Chlordane	ug/L	ND							ND		
Chloride	mg/L	115			157				171		168
Chlorobenzene	ug/L	ND							ND		
Chlorodibromomethane	ug/L	ND			DNQ Est. Conc. 0.13				ND		ND
Chloroethane	ug/L	ND							ND		
Chloroform	ug/L	5.6			2.8				4.1		3.8
Chromium VI	ug/L	0.05							ND		
Chromium, total	ug/L	1.39							0.65		
Chrysene	ug/L	ND							ND		
Copper	ug/L	1.49							1.58		
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				ND		ND
Dichloroacetic acid	ug/L	9.3			9.6				11		8.1
Dieldrin	ug/L	ND							ND		
Diesel range organics	ug/L	124			134					109	129
Diethyl phthalate	ug/L	ND							DNQ Est. Conc. 0.29		
Dimethyl phthalate	ug/L	ND							ND		
Dissolved oxygen	mg/L	7.4	7.3	7.4	7.1	7.2	6.8	7.0	6.7	6.6	7.1
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		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	DNQ Est. Conc. 0.11							DNQ Est. Conc. 0.06		
Lindane (gamma-Hexachlorocyclohexa	ug/L	DNQ Est. Conc. 0.002							ND		
Magnesium	mg/L	6.8			11.2				12.1		12.9
Mercury	ug/L				0.00080				0.00058		
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		
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	0.84				0.40			0.40		0.760
n-Nitrosodiphenylamine	ug/L	ND							ND		
Naphthalene	ug/L	ND							ND		
Nickel	ug/L	DNQ Est. Conc. 0.84							1.41		
Nitrate as nitrogen	mg/L	3.02	2.78	3.26	3.47	2.53	2.55	3.05	1.80	2.43	2.03
Nitrite as nitrogen	mg/L	0.130	0.173	0.161	0.137	0.098	0.079	0.078	0.079	0.059	0.054

Palmdale Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
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	ug/L			ND	ND	ND			EPA 200.8	0.25	0.031	0.20
Calcium	mg/L			36.5	39.0	42.4			EPA 200.8		0.004 - 0.005	0.020 - 0.040
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50
Chemical oxygen demand (COD)	mg/L	25.1	ND	ND	13.6	32.6			SM 5220D (std)		8.5	25.0
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01	0.05
Chloride	mg/L			115	153	171			EPA 300.0		0.050 - 0.290	4.00 - 8.00
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L			ND	ND	DNQ Est. Conc. 0.13			EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.22	0.50
Chloroform	ug/L			2.8	4.1	5.6			EPA 624	2	0.09 - 0.18	0.50
Chromium VI	ug/L			ND	0.03	0.05			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			0.65	1.0	1.39			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			1.49	1.54	1.58			EPA 200.8	0.5	0.11	0.50
delta-Hexachlorocyclohexane	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	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			8.1	9.5	11			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			109	124	134			SW8015 Diesel/Oil Organics		22 - 33	100
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.29			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	7.3	7.7	6.6	7.1	7.7	≥ 1		SM 4500 O G		0.1	1.0
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	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18	10.0
Gasoline range organics	ug/L			ND	ND	ND			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	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. 0.06	ND	DNQ Est. Conc. 0.11			EPA 200.8	0.5	0.01	0.25
Lindane (gamma-Hexachlorocyclohexa	ug/L			ND	ND	DNQ Est. Conc. 0.002			EPA 608	0.02	0.0009	0.01
Magnesium	mg/L			6.8	11	12.9			EPA 200.8		0.001 - 0.003	0.020 - 0.040
Mercury	ug/L			0.00058	0.00069	0.00080			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.15	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			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			0.40	0.60	0.84			EPA 1625 (Modified)	5	0.0003 - 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			DNQ Est. Conc. 0.84	0.71	1.41			EPA 200.8	1	0.12	1.00
Nitrate as nitrogen	mg/L	2.22	1.91	1.80	2.59	3.47			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.075	0.064	0.054	0.099	0.173			SM 4500 NO3 F		0.003	0.030

Palmdale Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Nitrobenzene	ug/L	ND							ND		
Pentachlorophenol	ug/L	ND							ND		
Phenanthrene	ug/L	ND							ND		
Phenols	ug/L	DNQ Est. Conc. 2							12		
Phenol	ug/L	DNQ Est. Conc. 0.17							DNQ Est. Conc. 0.69		
pH	SU	6.9	7.3	7.2	7.2	7.3	7.3	7.2	7.3	7.4	7.4
Pyrene	ug/L	ND							ND		
Selenium	ug/L	DNQ Est. Conc. 0.47							DNQ Est. Conc. 0.17		
Silver	ug/L	ND							ND		
Sodium	mg/L	113			142				131		134
Sulfate	mg/L	77.3			88.5				74.9		78.4
Surfactant (MBAS)	mg/L	0.10			ND			ND			ND
Temperature	°C	18.7	19.0	20.2	21.2	23.1	26.2	26.5	28.5	27.4	25.3
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	ND
Total cyanide	ug/L					ND			ND		
Total dissolved solids	mg/L	488			560			570			523
Total haloacetic acids	ug/L	15			16				13		11
Total Kjeldahl Nitrogen (TKN)	mg/L	5.69	5.55	3.72	5.20	4.35	3.98	3.40	2.60	3.35	3.92
Total organic carbon	mg/L	7.57			5.61				4.57		5.36
Total trihalomethanes	ug/L	6.2			2.8				4.6		4.4
Toxaphene	ug/L	ND							ND		
trans-1,2-Dichloroethene	ug/L	ND							ND		
Trichloroacetic acid	ug/L	5.4			6.2				1.9		2.6
Trichloroethene	ug/L	ND							ND		
Vinyl chloride	ug/L	ND							ND		
Zinc	ug/L	86.1							80.7		

Palmdale Water Reclamation Plant
2016 Tertiary Effluent Monitoring Results

Parameter	Units	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. 2	6	12			EPA 420.1		2	6
Phenol	ug/L			DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.69			EPA 625	1	0.14	1.0
pH	SU	7.3	7.4	6.9	7.3	7.4			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. 0.17	ND	DNQ Est. Conc. 0.47			EPA 200.8	2	0.04	1.00
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Sodium	mg/L			113	130	142			EPA 200.8		0.004 - 0.024	0.40 - 4.0
Sulfate	mg/L			74.9	79.8	88.5			EPA 300.0		0.110 - 0.160	1.00 - 2.00
Surfactant (MBAS)	mg/L			ND	0.025	0.10	2	1	SM 5540C		0.03	0.10
Temperature	°C	24.0	21.8	18.7	23.5	28.5			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	0.015	0.25
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	23/240		SM 9222B		1	1
Total cyanide	ug/L			ND	ND	ND			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			488	535	570			SM 2540C		2.7	25.0
Total haloacetic acids	ug/L			11	14	16			EPA 552.2		0.41 - 1.0	1.0
Total Kjeldahl Nitrogen (TKN)	mg/L		3.25	2.60	4.09	5.69			EPA 351.2		0.135	0.200 - 1.00
Total organic carbon	mg/L			4.57	5.78	7.57			SM 5310C		0.05	2.00
Total trihalomethanes	ug/L			2.8	4.5	6.2			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
Trichloroacetic acid	ug/L			1.9	4.0	6.2			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	0.20	0.50
Zinc	ug/L			80.7	83.4	86.1			EPA 200.8	1	0.60	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: *

- ☒ 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 *
01-01-2016	12-31-2016

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., "Method for the Recovery and Assay of Total Culturable Viruses from 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)? *

1276

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	1276

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer Information

NPDES ID (if known)

CAL010500

Facility/Company Name *

Nursery Products Hawes Composting Facility

Address *

P.O. Box 1439

City *	State *	Zip Code *
Helendale	California	94342

Off-Site Third-Party Handler or Preparer Contact Information

First Name *	Last Name *	Title *
Chad	Buechel	Plant Manager

Phone (10-digits, No dashes) *	Ext.	E-Mail Address *
6613782515		cbuechel@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)).

☒ Check when done with SSUID section. *

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.

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

January-March	April-June	July-September	October-December
= 3.83	= 3.87	= 3.37	= 3.13

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

January-March	April-June	July-September	October-December
= 2.1	= 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

January-March	April-June	July-September	October-December
= 425	= 432	= 567	= 559

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

January-March	April-June	July-September	October-December
= 6.06	= 6.68	= 7.14	= 6.92

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

January-March	April-June	July-September	October-December
= 1.03	= 0.89	= 1.23	= 1.12

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

January-March	April-June	July-September	October-December
= 10.1	= 9.41	= 11.7	= 11.6

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

January-March	April-June	July-September	October-December
= 22.4	= 20.9	= 22.2	= 20.9

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

January-March	April-June	July-September	October-December
= 64500	= 59500	= 57700	= 67500

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

January-March	April-June	July-September	October-December
= 5.49	= 4.92	= 4.88	= 5.21

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

January-March	April-June	July-September	October-December
= 1160	= 1180	= 2260	= 2160

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

January-March	April-June	July-September	October-December
= 3.51	= 3.87	= 3.31	= 3.13

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

January-March	April-June	July-September	October-December
= 2.1	= 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

January-March	April-June	July-September	October-December
= 367	= 432	= 526	= 559

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

January-March	April-June	July-September	October-December
= 5.86	= 6.68	= 6.88	= 6.92

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

January-March	April-June	July-September	October-December
= 0.95	= 0.89	= 1.12	= 1.12

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

January-March	April-June	July-September	October-December
= 21.9	= 20.9	= 20.1	= 20.9

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

January-March	April-June	July-September	October-December
= 5.47	= 4.92	= 4.86	= 5.21

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

January-March	April-June	July-September	October-December
= 991	= 1180	= 2025	= 2160

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

January-March	April-June	July-September	October-December
= 54	= 52	= 65	= 66

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 Loadings are plant values.
3. Data entered for Monthly Average Pollutant Concentrations are plant values.

Additional Attachments

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 *
mfischer@lacsd.org	Approve

Pomona WRP Influent Monitoring

Pomona Water Reclamation Plant
2016 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						0.64				
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						1.67				
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
2016 INF-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	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	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	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	10.0 - 50.0
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 - 250
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08	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	0.50
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND			EPA 625	10	0.16	100 - 500
2-Chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.15	50.0 - 250
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	1.3	50.0 - 250
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.20	100 - 500
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.55 - 0.62	10 - 12
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.15	50.0 - 250
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND			EPA 625	2	0.11	20.0 - 100
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	1.7	50.0 - 250
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.20	50.0 - 250
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.12	100 - 500
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.22	50.0 - 250
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	10.0 - 50.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.2	50.0 - 250
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.21	50.0 - 250
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	50.0 - 250
4-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	1.4	100 - 500
4,4-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.003	0.01
Acenaphthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.15	10.0 - 50.0
Acenaphthylene	ug/L		ND	ND	ND	ND			EPA 625	10	0.14	100 - 500
Acrolein	ug/L		ND	ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L		ND	ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	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	0.18	100 - 500
Antimony	ug/L		DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.42	0.32	0.64			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02	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	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1248	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01	0.05
Aroclor 1260	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01	0.1
Arsenic	ug/L		1.54	1.54	1.61	1.67			EPA 200.8	2	0.15	1.00
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.7	50.0 - 250
Benzo(a)anthracene	ug/L		ND	ND	ND	ND			EPA 625	5	0.19	50.0 - 250
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 625	10	0.15	100 - 500
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	10	0.13	100 - 500
Benzo(g,h,i)perylene	ug/L		ND	ND	ND	ND			EPA 625	5	0.19	50.0 - 250

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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. 18.1				
BOD	mg/L	392	372	350	339	353	379	304	327	336	307
Bromodichloromethane	ug/L						0.89				
Bromoform	ug/L						DNQ Est. Conc. 0.49				
Butyl benzyl phthalate	ug/L						DNQ Est. Conc. 2.1				
Cadmium	ug/L						0.26				
Carbon tetrachloride	ug/L						ND				
Chlorobenzene	ug/L						ND				
Chloroethane	ug/L						ND				
Chloroform	ug/L						4.0				
Chromium III	ug/L						5.96				
Chromium VI	ug/L						0.12				
Chrysene	ug/L						ND				
Copper	ug/L						38.1				
Cyanide	ug/L						DNQ Est. Conc. 1.53				
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						1.0				
Dieldrin	ug/L						DNQ Est. Conc. 0.004				
Diethyl phthalate	ug/L						DNQ Est. Conc. 5.9				
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						ND				
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	0.00083	0.00150	0.00083	0.00111	0.00079	0.00345	0.00089	0.00106	0.00097	0.00100
Mercury	ug/L						DNQ Est. Conc. 0.03				
Methyl bromide (Bromomethane)	ug/L						ND				
Methyl chloride (Chloromethane)	ug/L						DNQ Est. Conc. 0.19				
Methylene chloride	ug/L						0.67				
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						4.18				
Nitrobenzene	ug/L						ND				
PCB-129/138/163	pg/L						DNQ Est. Conc. 160				

Pomona Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	10	0.23	100 - 500
Beryllium	ug/L		ND	ND	ND	ND			EPA 200.8	0.5	0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002	0.005
beta-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Bis(2-chloroethoxy)methane	ug/L		ND	ND	ND	ND			EPA 625	5	0.13	50.0 - 250
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND			EPA 625	1	0.19	10.0 - 50.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND			EPA 625	2	0.16	20.0 - 100
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 18.1			EPA 625	5	0.25	20.0 - 100
BOD	mg/L	309	317	304	340	392			SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.46	DNQ Est. Conc. 0.46	0.45	0.89			EPA 624	2	0.17	0.50
Bromoform	ug/L		0.64	DNQ Est. Conc. 0.49	0.32	0.64			EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 2.1			EPA 625	10	0.16	100 - 500
Cadmium	ug/L		0.21	0.21	0.24	0.26			EPA 200.8	0.25	0.030	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.28	0.50
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.11	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18	0.50
Chloroform	ug/L		3.4	3.4	3.7	4.0			EPA 624	2	0.18	0.50
Chromium III	ug/L		3.63	3.63	4.80	5.96			EPA 200.8			0.50
Chromium VI	ug/L		DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	0.06	0.12			EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L		ND	ND	ND	ND			EPA 625	10	0.17	100 - 500
Copper	ug/L		29.9	29.9	34.0	38.1			EPA 200.8	0.5	0.16	0.50
Cyanide	ug/L		ND	ND	ND	DNQ Est. Conc. 1.53			SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.16	100 - 500
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.16	100 - 500
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND			EPA 625	10	0.15	100 - 500
Dibromochloromethane	ug/L		0.72	0.72	0.86	1.0			EPA 624	2	0.14	0.50
Dieldrin	ug/L		ND	ND	ND	DNQ Est. Conc. 0.004			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 5.9			EPA 625	2	0.21	20.0 - 100
Dimethyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	2	0.19	20.0 - 100
Endosulfan sulfate	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.002	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L		DNQ Est. Conc. 0.23	ND	ND	DNQ Est. Conc. 0.23			EPA 624	2	0.18	0.50
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.19	10.0 - 50.0
Fluorene	ug/L		ND	ND	ND	ND			EPA 625	10	0.18	100 - 500
gamma-BHC	ug/L		DNQ Est. Conc. 0.005	ND	ND	DNQ Est. Conc. 0.005			EPA 608	0.02	0.0009	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	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	1	0.18	10.0 - 50.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND			EPA 625	1	0.14	10.0 - 50.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 625	5	0.75	50.0 - 250
Hexachloroethane	ug/L		ND	ND	ND	ND			EPA 625	1	0.14	10.0 - 50.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND			EPA 625	10	0.14	100 - 500
Isophorone	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	10.0 - 50.0
Lead	mg/L	0.00296	0.00070	0.00070	0.0013	0.00345			EPA 200.8	0.0005	0.00001 - 0.00003	0.00025
Mercury	ug/L		DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	ND	DNQ Est. Conc. 0.03			EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.19			EPA 624	2	0.19	0.50
Methylene chloride	ug/L		DNQ Est. Conc. 0.43	DNQ Est. Conc. 0.43	0.34	0.67			EPA 624	2	0.18	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.12	0.200 - 250
n-Nitrosodimethylamine (NDMA)	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.050 - 0.14	0.200 - 250
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND			EPA 625	1	0.15	10.0 - 50.0
Naphthalene	ug/L		ND	ND	ND	ND			EPA 625	1	0.18	10.0 - 50.0
Nickel	ug/L		2.24	2.24	3.21	4.18			EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L		ND	ND	ND	ND			EPA 625	1	0.22	10.0 - 50.0
PCB-129/138/163	pg/L			DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160			EPA 1668		4.2	610

Pomona Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-61/70/74/76	pg/L						DNQ Est. Conc. 250				
PCB-90/101/113	pg/L						DNQ Est. Conc. 160				
PCB-105	pg/L						67				
PCB-114	pg/L						DNQ Est. Conc. 5.7				
PCB-118	pg/L						150				
PCB-123	pg/L						DNQ Est. Conc. 11				
PCB-126	pg/L						ND				
PCB-158	pg/L						DNQ Est. Conc. 15				
PCB-167	pg/L						DNQ Est. Conc. 7.0				
PCB-169	pg/L						ND				
PCB-170	pg/L						DNQ Est. Conc. 38				
PCB-177	pg/L						DNQ Est. Conc. 23				
PCB-183	pg/L						DNQ Est. Conc. 28				
PCB-187	pg/L						DNQ Est. Conc. 62				
PCB-189	pg/L						DNQ Est. Conc. 8.4				
PCB-194	pg/L						DNQ Est. Conc. 20				
PCB-201	pg/L						DNQ Est. Conc. 4.7				
PCB-206	pg/L						DNQ Est. Conc. 26				
PCB-37	pg/L						DNQ Est. Conc. 51				
PCB-52	pg/L						220(1)				
PCB-66	pg/L						DNQ Est. Conc. 120				
PCB-77	pg/L						DNQ Est. Conc. 11				
PCB-81	pg/L						ND				
PCB-99	pg/L						DNQ Est. Conc. 57				
PCB-110/115	pg/L						DNQ Est. Conc. 170				
PCB-128/166	pg/L						DNQ Est. Conc. 19				
PCB-135/151	pg/L						DNQ Est. Conc. 31				
PCB-147/149	pg/L						DNQ Est. Conc. 92				
PCB-153/168	pg/L						DNQ Est. Conc. 130				
PCB-156/157	pg/L						DNQ Est. Conc. 27				
PCB-18/30	pg/L						DNQ Est. Conc. 100				
PCB-180/193	pg/L						DNQ Est. Conc. 120				
PCB-20/28	pg/L						DNQ Est. Conc. 230				
PCB-44/47/65	pg/L						DNQ Est. Conc. 440(1)				
PCB-49/69	pg/L						DNQ Est. Conc. 71				
PCB-86/87/97/108/119/125	pg/L						DNQ Est. Conc. 120				
Pentachlorophenol	ug/L						ND				
Phenanthrene	ug/L						ND				
Phenol	ug/L						26.3				
pH	SU	8.0	7.9	7.8	8.0	7.9	7.7	7.7	7.7	7.7	8.0
Pyrene	ug/L						ND				
Selenium	mg/L	DNQ Est. Conc. 0.00083	DNQ Est. Conc. 0.00082	DNQ Est. Conc. 0.00075	DNQ Est. Conc. 0.00089	DNQ Est. Conc. 0.00094	0.00105	DNQ Est. Conc. 0.00086	DNQ Est. Conc. 0.00092	DNQ Est. Conc. 0.00094	DNQ Est. Conc. 0.00091
Silver	ug/L						0.35				
Technical chlordane	ug/L						ND				
Tetrachloroethylene	ug/L						DNQ Est. Conc. 0.37				
Thallium	ug/L						ND				
Toluene	ug/L						0.58				
Total chromium	ug/L						6.08				
Total Suspended Solids	mg/L	372	347	344	328	322	416	303	312	333	331
Toxaphene	ug/L						ND				
Trichloroethylene	ug/L						ND				
Vinyl chloride	ug/L						ND				
Zinc	ug/L						111				

Pomona Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250			EPA 1668		5.2	810
PCB-90/101/113	pg/L			DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160			EPA 1668		5.9	610
PCB-105	pg/L			67	67	67			EPA 1668		5.4	20
PCB-114	pg/L			DNQ Est. Conc. 5.7	ND	DNQ Est. Conc. 5.7			EPA 1668		5.6	20
PCB-118	pg/L			150	150	150			EPA 1668		5.4	20
PCB-123	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668		5.4	20
PCB-126	pg/L			ND	ND	ND			EPA 1668		5.5	20
PCB-158	pg/L			DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15			EPA 1668		3.4	200
PCB-167	pg/L			DNQ Est. Conc. 7.0	ND	DNQ Est. Conc. 7.0			EPA 1668		3.4	20
PCB-169	pg/L			ND	ND	ND			EPA 1668		4.1	20
PCB-170	pg/L			DNQ Est. Conc. 38	ND	DNQ Est. Conc. 38			EPA 1668		2.0	200
PCB-177	pg/L			DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23			EPA 1668		1.9	200
PCB-183	pg/L			DNQ Est. Conc. 28	ND	DNQ Est. Conc. 28			EPA 1668		1.3	200
PCB-187	pg/L			DNQ Est. Conc. 62	ND	DNQ Est. Conc. 62			EPA 1668		4.4	200
PCB-189	pg/L			DNQ Est. Conc. 8.4	ND	DNQ Est. Conc. 8.4			EPA 1668		2.8	20
PCB-194	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20			EPA 1668		3.6	200
PCB-201	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20			EPA 1668		2.4	200
PCB-206	pg/L			DNQ Est. Conc. 26	ND	DNQ Est. Conc. 26			EPA 1668		8.0	200
PCB-37	pg/L			DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51			EPA 1668		8.6	200
PCB-52	pg/L			220(1)	220(1)	220(1)			EPA 1668		2.6	200
PCB-66	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120			EPA 1668		5.6	200
PCB-77	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668		6.0	20
PCB-81	pg/L			ND	ND	ND			EPA 1668		5.8	20
PCB-99	pg/L			DNQ Est. Conc. 57	ND	DNQ Est. Conc. 57			EPA 1668		5.9	200
PCB-110/115	pg/L			DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170			EPA 1668		5.2	410
PCB-128/166	pg/L			DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19			EPA 1668		4.2	410
PCB-135/151	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31			EPA 1668		4.5	410
PCB-147/149	pg/L			DNQ Est. Conc. 92	ND	DNQ Est. Conc. 92			EPA 1668		4.3	410
PCB-153/168	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130			EPA 1668		3.5	410
PCB-156/157	pg/L			DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27			EPA 1668		4.6	41
PCB-18/30	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100			EPA 1668		5.3	410
PCB-180/193	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120			EPA 1668		1.6	410
PCB-20/28	pg/L			DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230			EPA 1668		9.6	410
PCB-44/47/65	pg/L			DNQ Est. Conc. 440(1)	ND	DNQ Est. Conc. 440(1)			EPA 1668		2.4	610
PCB-49/69	pg/L			DNQ Est. Conc. 71	ND	DNQ Est. Conc. 71			EPA 1668		2.1	410
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120			EPA 1668		5.8	1200
Pentachlorophenol	ug/L		ND	DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120			EPA 625	5	0.38	10.0 - 50.0
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.19	50.0 - 250
Phenol	ug/L		DNQ Est. Conc. 33.2	DNQ Est. Conc. 33.2	13.2	26.3			EPA 625	1	0.14	10.0 - 50.0
pH	SU	8.0	7.9	7.7	7.9	8.0			SM 4500 H+ B		1.00	4.00
Pyrene	ug/L		ND	ND	ND	ND			EPA 625	10	0.19	100 - 500
Selenium	mg/L	0.00118	0.00106	DNQ Est. Conc. 0.00075	0.000274	0.00118			EPA 200.8	0.002	0.00004 - 0.00010	0.00100
Silver	ug/L		0.32	0.32	0.34	0.35			EPA 200.8	0.25	0.01	0.20
Technical chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01	0.05
Tetrachloroethylene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.37			EPA 624	2	0.18	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L		0.83	0.58	0.71	0.83			EPA 624	2	0.19	0.50
Total chromium	ug/L		3.63	3.63	4.86	6.08			EPA 200.8	0.5	0.11	0.50
Total Suspended Solids	mg/L	291	333	291	336	416			SM 2540D		2.5	50.0 - 83.3
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.08	0.5
Trichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.28	0.50
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.26	0.50
Zinc	ug/L		95.6	95.6	103	111			EPA 200.8	1	0.66	1.00

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

Pomona WRP Effluent Monitoring

Pomona Water Reclamation Plant
2016 EFF-001 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						DNQ Est. Conc. 2.7				
1,2,3,4,6,7,8-HeptaCDF	pg/L						DNQ Est. Conc. 0.90				
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						ND				
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						ND				
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						1.4				
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				DNQ Est. Conc. 1.0		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		ND		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
2016 EFF-001 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	0.20	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	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	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	1	0.16	0.50
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		DNQ Est. Conc. 4.0	DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 4.0			EPA 1613B		0.50 - 0.51	51 - 53
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 3.2	DNQ Est. Conc. 0.90	ND	DNQ Est. Conc. 3.2			EPA 1613B		0.44 - 0.60	51 - 53
1,2,3,4,7,8-HexaCDD	pg/L		DNQ Est. Conc. 2.5	ND	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.43 - 0.53	51 - 53
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 2.0	ND	ND	DNQ Est. Conc. 2.0			EPA 1613B		0.38 - 0.68	51 - 53
1,2,3,4,7,8,9-HeptaCDF	pg/L		DNQ Est. Conc. 2.1	ND	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.54 - 0.94	51 - 53
1,2,3,6,7,8-HexaCDD	pg/L		DNQ Est. Conc. 2.4	ND	ND	DNQ Est. Conc. 2.4			EPA 1613B		0.43 - 0.52	51 - 53
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.8	ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.35 - 0.58	51 - 53
1,2,3,7,8-PentaCDD	pg/L		DNQ Est. Conc. 1.8	ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.55 - 0.70	51 - 53
1,2,3,7,8-PentaCDF	pg/L		DNQ Est. Conc. 2.2	ND	ND	DNQ Est. Conc. 2.2			EPA 1613B		0.38 - 0.40	51 - 53
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 2.5	ND	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.36 - 0.45	51 - 53
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 1.8	ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.34 - 0.37	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	0.50
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	0.50
1,4-Dioxane	ug/L			1.4	1.4	1.4			SW-846 8270MOD 1,4-Dioxane		0.09	0.40
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND			EPA 625	10	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	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.5	ND	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.31 - 0.42	51 - 53
2,3,4,7,8-PentaCDF	pg/L		DNQ Est. Conc. 2.1	ND	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.42 - 0.43	51 - 53
2,3,7,8-TCDD	pg/L		ND	ND	ND	DNQ Est. Conc. 1.0			EPA 1613B		0.40 - 1.3	10 - 11
2,3,7,8-TetraCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.26 - 0.37	10 - 11
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.15	5.0
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND			EPA 625	2	0.11	2.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	1.7	5.0
2,4-Dinitrotoluene	ug/L		ND	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	ND			EPA 625	5	0.22	5.0
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	1.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.2	5.0
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.21	5.0
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	5.0
4-Nitrophenol	ug/L		ND	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	ND			EPA 625	1	0.15	1.0
Acenaphthylene	ug/L		ND	ND	ND	ND			EPA 625	10	0.14	10.0
Acrolein	ug/L		ND	ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L		ND	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

Pomona Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
alpha-Endosulfan	ug/L						ND				
Ammonia nitrogen	mg/L	2.92	2.29	2.26	2.02	1.93	1.80	1.98	1.72	1.67	2.52
Anthracene	ug/L						ND				
Antimony	ug/L		DNQ Est. Conc. 0.46				0.54		0.52		
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		DNQ Est. Conc. 0.95				1.19		1.39		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L	ND		ND			ND				
Benzo(a)anthracene	ug/L						ND				
Benzo(a)pyrene	ug/L		ND				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	ND
Boron	mg/L	0.29	0.25	0.31	0.33	0.30	0.29	0.30	0.29	0.25	0.26
Bromodichloromethane	ug/L	7.4	7.1	12.2	5.4	4.0	15.8	8.1	16.2	9.2	12.4
Bromoform	ug/L	DNQ Est. Conc. 0.34	ND	0.88	ND	ND	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.26	ND	DNQ Est. Conc. 0.20
Butyl benzyl phthalate	ug/L						ND				
Cadmium	ug/L		DNQ Est. Conc. 0.060				DNQ Est. Conc. 0.074		DNQ Est. Conc. 0.060		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	146	135	150	137	136	153	151	155	160	153
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	10.8	14.5	14.8	16.5	15.3	42.0	21.2	40.3	21.1	28.9
Chlorpyrifos	ug/L						ND				
Chromium III	ug/L						0.78				
Chromium VI	ug/L		DNQ Est. Conc. 0.04				0.10		0.07		
Chrysene	ug/L						ND				
Copper	ug/L		4.63				5.84		4.16		
Cyanide	ug/L		DNQ Est. Conc. 2.2				DNQ Est. Conc. 2.3		DNQ Est. Conc. 3.4		
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	2.5	1.4	5.2	0.96	0.57	3.3	1.7	3.6	1.9	2.7
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L						ND				
Dimethyl phthalate	ug/L						ND				
Dissolved oxygen	mg/L	7.5	6.8	7.3	6.7	7.0	6.0	6.4	5.4	5.7	6.5
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
2016 EFF-001 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	1.85	1.87	1.67	2.07	2.92	6.6(1)/8.4(2)	3.2(1)/4.1(2)	SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L		ND	ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L		DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.39	0.27	0.54			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		1.27	DNQ Est. Conc. 0.95	0.963	1.39			EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L		ND	ND	ND	ND			EPA 625	5	0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 525.2 & EPA 610		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	0.19	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	5.0
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND			EPA 625	1	0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND			EPA 625	2	0.16	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	DNQ Est. Conc. 0.45	ND	ND	DNQ Est. Conc. 0.45		4	EPA 625	5	0.17 - 0.25	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3.0
Boron	mg/L	0.26	0.25	0.25	0.28	0.33		1	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L	6.8	17.5	4.0	10	17.5			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.21	0.57	ND	0.12	0.88			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L		DNQ Est. Conc. 0.27	ND	ND	DNQ Est. Conc. 0.27			EPA 625	10	0.16	10.0
Cadmium	ug/L		DNQ Est. Conc. 0.050	DNQ Est. Conc. 0.050	ND	DNQ Est. Conc. 0.074			EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.28	0.50
Chloride	mg/L	152	174	135	150	174		180	EPA 300.0		0.050 - 0.290	4.00 - 10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.11	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	18.7	36.8	10.8	23.4	42.0			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		0.99	0.78	0.89	0.99			EPA 200.8			0.50
Chromium VI	ug/L		DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.04	0.04	0.10			EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L		ND	ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L		3.58	3.58	4.55	5.84			EPA 200.8	0.5	0.11 - 0.16	0.50
Cyanide	ug/L		DNQ Est. Conc. 2.8	DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 3.4			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	0.16	10.0
Di-n-octyl phthalate	ug/L		ND	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			EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L	1.2	4.3	0.57	2.4	5.2			EPA 624	2	0.08 - 0.14	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	2.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	2	0.19	2.0
Dissolved oxygen	mg/L	6.1	5.7	5.4	6.4	7.5			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	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		0.269		0.310		0.297		0.309		0.269
gamma-BHC	ug/L		ND		ND		ND		ND		DNQ Est. Conc. 0.007
Gross alpha radioactivity	pCi/L		2.11				2.35		2.14		
Gross beta radioactivity	pCi/L		5.40				8.12		4.94		
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		25.0				30.8		53.5		
Isophorone	ug/L						ND				
Lead	ug/L	DNQ Est. Conc. 0.21	0.39	0.37	0.37	0.39	0.31	0.25	0.30	0.33	0.41
Mercury	ug/L		0.0012				0.0011		0.0013		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		DNQ Est. Conc. 0.23		ND		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	0.12	0.097	0.22	0.14	0.12	0.22	0.21	0.10	0.120	0.190
n-Nitrosodiphenylamine	ug/L						ND				
Naphthalene	ug/L						ND				
Nickel	ug/L		1.57				1.76		1.69		
Nitrate + nitrite as nitrogen	mg/L	5.80	6.59	5.12	6.86	6.66	7.83	7.66	6.70	7.19	7.78
Nitrate as nitrogen	mg/L	5.49	6.36	4.90	6.70	6.48	7.59	7.00	6.64	7.12	7.64
Nitrite as nitrogen	mg/L	0.311	0.231	0.218	0.159	0.182	0.11	0.167	0.058	0.074	0.140
Nitrobenzene	ug/L						ND				
OctaCDD	pg/L						DNQ Est. Conc. 20				
OctaCDF	pg/L						DNQ Est. Conc. 3.8				
Oil and grease	mg/L		ND				ND		ND		
Organic nitrogen	mg/L	1.64	1.33	1.52	1.02	1.49	0.660	0.800	1.26	1.23	0.700
Orthophosphate-P	mg/L		1.16				0.760		0.147		
PCB-129/138/163	pg/L						DNQ Est. Conc. 7.0				
PCB-61/70/74/76	pg/L						DNQ Est. Conc. 14				
PCB-90/101/113	pg/L						DNQ Est. Conc. 5.6				
PCB-105	pg/L						ND				
PCB-114	pg/L						ND				
PCB-118	pg/L						DNQ Est. Conc. 6.7				
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				
PCB-177	pg/L						ND				
PCB-183	pg/L						DNQ Est. Conc. 2.4				
PCB-187	pg/L						DNQ Est. Conc. 3.2				
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	0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9221E & SM 9222D		1 - 1.8	1 - 1.8
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	10.0
Fluoride	mg/L		0.309	0.269	0.294	0.310			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC	ug/L		ND	ND	ND	DNQ Est. Conc. 0.007			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		2.52	2.11	2.28	2.52			EPA 900.0		1.19 - 2.85	1.19 - 2.85
Gross beta radioactivity	pCi/L		4.24	4.24	5.68	8.12			EPA 900.0		1.19 - 1.60	1.19 - 1.60
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	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	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		29.6	25.0	34.7	53.5			EPA 200.8		3.0	20.0
Isophorone	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	DNQ Est. Conc. 0.23	0.25	DNQ Est. Conc. 0.21	0.28	0.41	166(3)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.0017	0.0011	0.0013	0.0017			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.21 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.23			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether	ug/L		ND	ND	ND	ND			EPA 624		0.12	0.50
Methylene chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.18	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0058 - 0.12	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.170	0.390	0.097	0.17	0.390			EPA 1625 (Modified)	5	0.0003 - 0.0050	0.0020 - 0.020
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND			EPA 625	1	0.15	1.0
Naphthalene	ug/L		ND	ND	ND	ND			EPA 625	1	0.18	1.0
Nickel	ug/L		1.43	1.43	1.61	1.76			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	7.74	7.59	5.12	6.96	7.83		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	7.62	7.36	4.90	6.74	7.64			SM 4500 NO3 D & SM 4500 NO3 F		0.02 - 0.030	0.200 - 1.25
Nitrite as nitrogen	mg/L	0.13	0.230	0.058	0.17	0.311		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L		ND	ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L		DNQ Est. Conc. 14	DNQ Est. Conc. 14	ND	DNQ Est. Conc. 20			EPA 1613B		0.78	100 - 110
OctaCDF	pg/L		DNQ Est. Conc. 6.2	DNQ Est. Conc. 3.8	ND	DNQ Est. Conc. 6.2			EPA 1613B		0.58 - 0.64	100 - 110
Oil and grease	mg/L		ND	ND	ND	ND	15	10	EPA 1664A		0.8 - 1.2	4.2 - 4.5
Organic nitrogen	mg/L	1.07	2.05	0.660	1.23	2.05			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L		0.234	0.147	0.575	1.16			EPA 365.1		0.001	0.030
PCB-129/138/163	pg/L			DNQ Est. Conc. 7.0	ND	DNQ Est. Conc. 7.0			EPA 1668		1.2	740
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		2.9	990
PCB-90/101/113	pg/L			DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6			EPA 1668		2.5	740
PCB-105	pg/L			ND	ND	ND			EPA 1668		2.1	25
PCB-114	pg/L			ND	ND	ND			EPA 1668		2.2	25
PCB-118	pg/L			DNQ Est. Conc. 6.7	ND	DNQ Est. Conc. 6.7			EPA 1668		2.0	25
PCB-123	pg/L			ND	ND	ND			EPA 1668		2.1	25
PCB-126	pg/L			ND	ND	ND			EPA 1668		2.1	25
PCB-158	pg/L			ND	ND	ND			EPA 1668		1.0	250
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.99	25
PCB-169	pg/L			ND	ND	ND			EPA 1668		1.1	25
PCB-170	pg/L			ND	ND	ND			EPA 1668		1.2	250
PCB-177	pg/L			ND	ND	ND			EPA 1668		1.5	250
PCB-183	pg/L			DNQ Est. Conc. 2.4	ND	DNQ Est. Conc. 2.4			EPA 1668		0.79	250
PCB-187	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668		1.4	250
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.7	250
PCB-194	pg/L			ND	ND	ND			EPA 1668		1.7	250
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.94	250

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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						ND				
PCB-52	pg/L						DNQ Est. Conc. 13(4)				
PCB-66	pg/L						ND				
PCB-77	pg/L						ND				
PCB-81	pg/L						ND				
PCB-99	pg/L						ND				
PCB-110/115	pg/L						DNQ Est. Conc. 9.6				
PCB-128/166	pg/L						ND				
PCB-135/151	pg/L						ND				
PCB-147/149	pg/L						DNQ Est. Conc. 5.2				
PCB-153/168	pg/L						DNQ Est. Conc. 5.2				
PCB-156/157	pg/L						ND				
PCB-18/30	pg/L						DNQ Est. Conc. 18				
PCB-180/193	pg/L						DNQ Est. Conc. 6.0				
PCB-20/28	pg/L						DNQ Est. Conc. 25				
PCB-44/47/65	pg/L						DNQ Est. Conc. 51(4)				
PCB-49/69	pg/L						DNQ Est. Conc. 3.9				
PCB-86/87/97/108/119/125	pg/L						ND				
Pentachlorophenol	ug/L		ND		ND		ND			ND	ND
Perchlorate	ug/L	0.16	ND	0.14	0.089	0.15	0.092	0.22	0.54	0.57	0.61
Phenanthrene	ug/L		ND		ND		ND			ND	ND
Phenol	ug/L		DNQ Est. Conc. 0.32		ND		DNQ Est. Conc. 0.17			DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.26
pH	SU	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.3	7.4
Polychlorinated Biphenyls (PCBs), Sum (as Ar	ug/L		ND		ND		ND		ND		ND
Pyrene	ug/L						ND				
Selenium	ug/L	DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.50	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.53	DNQ Est. Conc. 0.54	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.42
Settleable Solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		DNQ Est. Conc. 0.03				DNQ Est. Conc. 0.02		DNQ Est. Conc. 0.03		
Strontium-90	pCi/L		0.489				0.000		0.716		
Sulfate	mg/L	80.2	70.9	75.6	89.0	89.0	96.8	91.1	95.5	92.4	93.4
Surfactant (CTAS)	mg/L		ND				ND		ND		
Surfactant (MBAS)	mg/L		0.10		ND		ND		ND		ND
Technical chlordane	ug/L		ND				ND		ND		
Temperature	Degrees F	71.1	73.4	74.7	76.6	77.2	81.3	84.2	85.4	84.5	82.5
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		ND		ND		ND		ND		ND
Total chromium	ug/L		0.84				0.88		0.78		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	624	564	616	614	592	654	660	656	651	642
Total hardness	mg/L	215	213	202	213	208	226	213	211	200	200
Total Kjeldahl Nitrogen (TKN)	mg/L	4.56	3.62	3.78	3.04	3.42	2.46	2.78	2.98	2.90	3.22
Total nitrogen	mg/L	10.4	10.2	8.90	9.90	10.1	10.8	10.4	9.68	10.1	11.0
Total phosphorus	mg/L		1.28				0.355		0.203		
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	20.7	23.0	33.1	22.9	19.9	61.1	31.0	60.1	32.2	44.0
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		239				ND		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.78	0.60	0.48	0.74	0.51	0.56	0.51	0.65	0.80	0.75
Uranium	pCi/L		0.000				0.083		0.000		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND

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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		4.7	250
PCB-37	pg/L			ND	ND	ND			EPA 1668		3.8	250
PCB-52	pg/L			DNQ Est. Conc. 13(4)	ND	DNQ Est. Conc. 13(4)			EPA 1668		1.6	250
PCB-66	pg/L			ND	ND	ND			EPA 1668		3.0	250
PCB-77	pg/L			ND	ND	ND			EPA 1668		2.7	25
PCB-81	pg/L			ND	ND	ND			EPA 1668		2.7	25
PCB-99	pg/L			ND	ND	ND			EPA 1668		2.5	250
PCB-110/115	pg/L			DNQ Est. Conc. 9.6	ND	DNQ Est. Conc. 9.6			EPA 1668		2.2	490
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		1.2	490
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		1.3	490
PCB-147/149	pg/L			DNQ Est. Conc. 5.2	ND	DNQ Est. Conc. 5.2			EPA 1668		1.3	490
PCB-153/168	pg/L			DNQ Est. Conc. 5.2	ND	DNQ Est. Conc. 5.2			EPA 1668		1.0	490
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		1.3	49
PCB-18/30	pg/L			DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18			EPA 1668		4.1	490
PCB-180/193	pg/L			DNQ Est. Conc. 6.0	ND	DNQ Est. Conc. 6.0			EPA 1668		0.94	490
PCB-20/28	pg/L			DNQ Est. Conc. 25	ND	DNQ Est. Conc. 25			EPA 1668		3.9	490
PCB-44/47/65	pg/L			DNQ Est. Conc. 51(4)	ND	DNQ Est. Conc. 51(4)			EPA 1668		1.5	740
PCB-49/69	pg/L			DNQ Est. Conc. 3.9	ND	DNQ Est. Conc. 3.9			EPA 1668		1.3	490
PCB-86/87/97/108/119/125	pg/L			ND	ND	ND			EPA 1668		2.4	1500
Pentachlorophenol	ug/L		ND	0	ND	0			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L	0.34	0.27	ND	0.27	0.61			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L		DNQ Est. Conc. 0.28	ND	ND	DNQ Est. Conc. 0.28			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		DNQ Est. Conc. 0.17	ND	ND	DNQ Est. Conc. 0.32			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.5	7.5	7.3	7.4	7.5			SM 4500 H+ B		1.00	4.00
Polychlorinated Biphenyls (PCBs), Sum (as Ar	ug/L		ND	ND	ND	ND			EPA 608			
Pyrene	ug/L		ND	ND	ND	ND			EPA 625	10	0.19	10.0
Selenium	ug/L	DNQ Est. Conc. 0.36	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.36	ND	DNQ Est. Conc. 0.54	6.2(5)	4.7(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		DNQ Est. Conc. 0.01	DNQ Est. Conc. 0.01	ND	DNQ Est. Conc. 0.03			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L		0.486	0.000	0.423	0.716			EPA 905.0		0.491 - 0.682	0.491 - 0.682
Sulfate	mg/L	78.1	91.0	70.9	86.9	96.8		300	EPA 300.0		0.110 - 0.160	1.00 - 2.00
Surfactant (CTAS)	mg/L		ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L		ND	ND	0.017	0.10		0.5	SM 5540C		0.03	0.10
Technical chlordane	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 608	0.1	0.01 - 0.066	0.05 - 0.10
Temperature	Degrees F	79.2	73.6	71.1	78.6	85.4	86(6)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.18	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	ND			EPA 624	2	0.19	0.50
Total chromium	ug/L		0.99	0.78	0.87	0.99			EPA 200.8	0.5	0.11	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	240	23(7)	SM 9221B & SM 9222B		1 - 1.8	1 - 1.8
Total dissolved solids	mg/L	655	640	564	631	660		750	SM 2540C		2.7	50.0 - 62.5
Total hardness	mg/L	211	217	200	211	226			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.92	3.92	2.46	3.30	4.56			EPA 351.2		0.135	0.400
Total nitrogen	mg/L	11.4	11.5	8.90	10.4	11.5			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L		0.333	0.203	0.543	1.28			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C & SM 4500 Cl G		0.03 - 0.05	0.05 - 0.10
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	26.9	59.2	19.9	36.2	61.1		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	0.28	0.50
Tritium	pCi/L		ND	ND	59.8	239			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.61	0.67	0.48	0.64	0.80	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.107	0.000	0.048	0.107			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50

Pomona Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Zinc	ug/L		64.8				65.9		64.6		

Pomona Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Zinc	ug/L		61.1	61.1	64.1	65.9			EPA 200.8	1	0.60 - 0.66	1.00

(1) Effluent ammonia-nitrogen limit effective from April 1 to September 30.
(2) Effluent ammonia-nitrogen limit effective from October 1 to March 31.
(3) Wet weather effluent limit.
(4) Compound was found in the blank and sample.
(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 coliforms cannot exceed 23/100 mL in more than one sample during any 30-day period.

San Jose Creek WRP, East, Influent Monitoring

San Jose Creek East Water Reclamation Plant
2016 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		
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		
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		
Acrylonitrile	ug/L		ND						DNQ Est. Conc. 0.34		
Aldrin	ug/L		ND						ND		
alpha-BHC	ug/L		ND						ND		
Anthracene	ug/L		ND						ND		
Antimony	ug/L		0.76						0.71		
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		5.52						3.18		
Benzene	ug/L		ND						ND		

San Jose Creek East Water Reclamation Plant
2016 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	0.50
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	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		1.3	10 - 13
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	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L		DNQ Est. Conc. 0.004	ND	ND	DNQ Est. Conc. 0.004	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	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	DNQ Est. Conc. 0.34	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	0.0005 - 0.002	0.01
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.18	100
Antimony	ug/L			0.71	0.74	0.76	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	ND	EPA 608	0.5	0.02 - 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	ND	EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L			3.18	4.35	5.52	EPA 200.8	2	0.14	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50

San Jose Creek East Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
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. 10.9						DNQ Est. Conc. 8.4		
Bromodichloromethane	ug/L		0.56						DNQ Est. Conc. 0.37		
Bromoform	ug/L		DNQ Est. Conc. 0.47						DNQ Est. Conc. 0.24		
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		0.51						DNQ Est. Conc. 0.080		
Carbon tetrachloride	ug/L		ND						ND		
Chlorobenzene	ug/L		ND						ND		
Chlorodibromomethane	ug/L		0.54						DNQ Est. Conc. 0.24		
Chloroethane	ug/L		ND						ND		
Chloroform	ug/L		6.0						7.9		
Chromium III	ug/L		5.34						5.41		
Chromium VI	ug/L		0.20						0.09		
Chromium, total	ug/L		5.54						5.50		
Chrysene	ug/L		ND						ND		
Copper	ug/L		76.0						42.2		
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. 4.6						DNQ Est. Conc. 4.1		
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		

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
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	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. 8.4	ND	DNQ Est. Conc. 10.9	EPA 625	5	0.25	20.0
Bromodichloromethane	ug/L			DNQ Est. Conc. 0.37	0.28	0.56	EPA 624	2	0.17	0.50
Bromoform	ug/L			DNQ Est. Conc. 0.24	ND	DNQ Est. Conc. 0.47	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. 0.080	0.26	0.51	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. 0.24	0.27	0.54	EPA 624	2	0.14	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L			6.0	7.0	7.9	EPA 624	2	0.18	0.50
Chromium III	ug/L			5.34	5.38	5.41	EPA 200.8			0.50
Chromium VI	ug/L			0.09	0.1	0.20	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			5.50	5.52	5.54	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L			42.2	59.1	76.0	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L		ND	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		DNQ Est. Conc. 0.002	ND	ND	DNQ Est. Conc. 0.002	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			DNQ Est. Conc. 4.1	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	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.001	0.01
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	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		DNQ Est. Conc. 0.006	ND	ND	DNQ Est. Conc. 0.006	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	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

San Jose Creek East Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Lead	ug/L	1.20	2.14	1.01	1.54	0.72	0.74	0.90	0.74	0.80	0.71
Mercury	ug/L		0.13						0.04		
Methyl bromide (Bromomethane)	ug/L		ND						ND		
Methyl chloride (Chloromethane)	ug/L		ND						ND		
Methylene chloride	ug/L		0.62						1.2		
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		8.20						6.05		
Nitrobenzene	ug/L		ND						ND		
PCB-105	pg/L								220		
PCB-110	pg/L								277		
PCB-114	pg/L								DNQ Est. Conc. 16		
PCB-118	pg/L								520		
PCB-123	pg/L								25		
PCB-126	pg/L								ND		
PCB-156	pg/L								23		
PCB-157	pg/L								DNQ Est. Conc. 5.9		
PCB-158	pg/L								DNQ Est. Conc. 50		
PCB-167	pg/L								23		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 170		
PCB-177	pg/L								DNQ Est. Conc. 88		
PCB-180	pg/L								113		
PCB-183	pg/L								DNQ Est. Conc. 96		
PCB-187	pg/L								DNQ Est. Conc. 160		
PCB-189	pg/L								ND		
PCB-194	pg/L								DNQ Est. Conc. 55		
PCB-201	pg/L								DNQ Est. Conc. 14		
PCB-206	pg/L								DNQ Est. Conc. 39		
PCB-28	pg/L								99		
PCB-37	pg/L								DNQ Est. Conc. 110		
PCB-44	pg/L								138		
PCB-52	pg/L								890(1)		
PCB-66	pg/L								330		
PCB-77	pg/L								42		
PCB-81	pg/L								ND		
PCB-99	pg/L								260		
PCB-128/166	pg/L								DNQ Est. Conc. 80		
PCB-129/138/163	pg/L								DNQ Est. Conc. 530		
PCB-135/151	pg/L								DNQ Est. Conc. 100		
PCB-147/149	pg/L								DNQ Est. Conc. 330		
PCB-153/168	pg/L								DNQ Est. Conc. 360		
PCB-18/30	pg/L								DNQ Est. Conc. 240(1)(2)		
PCB-49/69	pg/L								DNQ Est. Conc. 250		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 730		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 480		
PCB-90/101/113	pg/L								ND		
Pentachlorophenol	ug/L		ND						ND		

San Jose Creek East Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Lead	ug/L	1.17	14.3	0.71	2.2	14.3	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.08	0.04	0.08	0.13	EPA 245.1	0.5	0 - 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			0.62	0.91	1.2	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.12	0.200 - 50.0
n-Nitrosodimethylamine (NDMA)	ug/L		ND	ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.050 - 0.14	0.200 - 50.0
n-Nitrosodiphenylamine	ug/L		ND	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			6.05	7.13	8.20	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			220	220	220	EPA 1668		8.6	21
PCB-110	pg/L			277	277	277	EPA 1668			11
PCB-114	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668		8.7	21
PCB-118	pg/L			520	520	520	EPA 1668		8.4	21
PCB-123	pg/L			25	25	25	EPA 1668		9.0	21
PCB-126	pg/L			ND	ND	ND	EPA 1668		8.5	21
PCB-156	pg/L			23	23	23	EPA 1668			11
PCB-157	pg/L			DNQ Est. Conc. 5.9	ND	DNQ Est. Conc. 5.9	EPA 1668			11
PCB-158	pg/L			DNQ Est. Conc. 50	ND	DNQ Est. Conc. 50	EPA 1668		4.1	210
PCB-167	pg/L			23	23	23	EPA 1668		6.9	21
PCB-169	pg/L			ND	ND	ND	EPA 1668		8.8	21
PCB-170	pg/L			DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		3.7	210
PCB-177	pg/L			DNQ Est. Conc. 88	ND	DNQ Est. Conc. 88	EPA 1668		3.5	210
PCB-180	pg/L			113	113	113	EPA 1668		2.5	210
PCB-183	pg/L			DNQ Est. Conc. 96	ND	DNQ Est. Conc. 96	EPA 1668		2.5	210
PCB-187	pg/L			DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		3.5	210
PCB-189	pg/L			ND	ND	ND	EPA 1668		5.6	21
PCB-194	pg/L			DNQ Est. Conc. 55	ND	DNQ Est. Conc. 55	EPA 1668		5.5	210
PCB-201	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		2.4	210
PCB-206	pg/L			DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668		8.4	210
PCB-28	pg/L			99	99	99	EPA 1668			11
PCB-37	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		17	210
PCB-44	pg/L			138	138	138	EPA 1668			11
PCB-52	pg/L			890(1)	890	890(1)	EPA 1668		2.6	210
PCB-66	pg/L			330	330	330	EPA 1668		6.4	210
PCB-77	pg/L			42	42	42	EPA 1668		8.6	21
PCB-81	pg/L			ND	ND	ND	EPA 1668		8.2	21
PCB-99	pg/L			260	260	260	EPA 1668		9.0	210
PCB-128/166	pg/L			DNQ Est. Conc. 80	ND	DNQ Est. Conc. 80	EPA 1668		5.1	430
PCB-129/138/163	pg/L			DNQ Est. Conc. 530	ND	DNQ Est. Conc. 530	EPA 1668		5.0	640
PCB-135/151	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		5.4	430
PCB-147/149	pg/L			DNQ Est. Conc. 330	ND	DNQ Est. Conc. 330	EPA 1668		5.1	430
PCB-153/168	pg/L			DNQ Est. Conc. 360	ND	DNQ Est. Conc. 360	EPA 1668		4.2	430
PCB-18/30	pg/L			DNQ Est. Conc. 240(1)(2)	ND	DNQ Est. Conc. 240(1)(2)	EPA 1668		4.3	430
PCB-49/69	pg/L			DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668		2.1	430
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 730	ND	DNQ Est. Conc. 730	EPA 1668		6.0	850
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 480	ND	DNQ Est. Conc. 480	EPA 1668		8.8	1300
PCB-90/101/113	pg/L			ND	ND	ND	EPA 1668		9.0	640
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.38	10.0

San Jose Creek East Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Phenanthrene	ug/L		ND						ND		
Phenol	ug/L		34.8						28.1		
pH	SU	7.4	7.4	7.2	7.1	7.3	7.3	7.1	7.2	7.1	7.2
Pyrene	ug/L		ND						ND		
Selenium	ug/L	1.05	1.37	1.02	1.14	DNQ Est. Conc. 0.93	1.03	1.01	1.09	DNQ Est. Conc. 0.98	1.14
Silver	ug/L		1.43						DNQ Est. Conc. 0.16		
Technical Chlordane	ug/L		ND						ND		
Tetrachloroethene	ug/L		ND						ND		
Thallium	ug/L		ND						ND		
Toluene	ug/L		0.93						0.88		
Total BOD 20C	mg/L	356	431	398	406	434	322	341	387	332	373
Total cyanide	ug/L		ND						DNQ Est. Conc. 2.8		
Total suspended solids	mg/L	382	513	567	531	559	537	467	595	455	499
Toxaphene	ug/L		ND						ND		
trans-1,2-Dichloroethene	ug/L		ND						2.1		
Trichloroethene	ug/L		ND						ND		
Vinyl chloride	ug/L		ND						ND		
Zinc	ug/L		183						75.2		

San Jose Creek East Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0
Phenol	ug/L			28.1	31.5	34.8	EPA 625	1	0.14	10.0
pH	SU	7.1	7.2	7.1	7.2	7.4	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L	1.20	DNQ Est. Conc. 0.92	DNQ Est. Conc. 0.92	0.84	1.37	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L			DNQ Est. Conc. 0.16	0.72	1.43	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L		ND	ND	ND	ND	EPA 608	0.1	0.01 - 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	0.015	0.25
Toluene	ug/L			0.88	0.91	0.93	EPA 624	2	0.19	0.50
Total BOD 20C	mg/L	356	552	322	391	552	SM 5210B		0.6	120 - 200
Total cyanide	ug/L			ND	ND	DNQ Est. Conc. 2.8	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	612	794	382	543	794	SM 2540D		2.5	50.0 - 100
Toxaphene	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L			ND	1.1	2.1	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			75.2	129	183	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

San Jose Creek WRP, East, Effluent Monitoring

San Jose Creek East Water Reclamation Plant
2016 EFF-002 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		DNQ Est. Conc. 0.0035						DNQ Est. Conc. 0.0025		
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 0.94						ND		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 0.85						ND		
1,2,3,4,7,8-HexaCDD	pg/L		ND						ND		
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.43						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND						ND		
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		
1,2,4-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		1.1						1.0		1.2
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						DNQ Est. Conc. 0.85		
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		DNQ Est. Conc. 0.70						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
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		

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 - 0.20	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 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.12	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			DNQ Est. Conc. 0.0025	ND	DNQ Est. Conc. 0.0035			EPA 524.2 & EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.94			EPA 1613B		0.13 - 0.72	50 - 56
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.85			EPA 1613B		0.31 - 1.1	50 - 56
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.25 - 0.72	50 - 56
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.43			EPA 1613B		0.31 - 0.67	50 - 56
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND			EPA 1613B		0.48 - 1.7	50 - 56
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.23 - 0.78	50 - 56
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.26 - 0.61	50 - 56
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.41 - 1.4	50 - 56
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.27 - 1.0	50 - 56
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.20 - 0.61	50 - 56
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.19 - 0.51	50 - 56
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 - 0.09	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 - 0.16	0.50
1,4-Dioxane	ug/L			1.0	1.1	1.2			SW-846 8270MOD 1,4-Dioxane		0.04 - 0.09	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	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.85			EPA 1613B		0.21 - 0.48	50 - 56
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.28 - 1.1	50 - 56
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.20 - 1.3	10 - 12
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 0.70			EPA 1613B		0.19 - 0.66	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	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
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
2016 EFF-002 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	1.13	1.19	1.36	1.36	1.33	1.06	0.994	1.07	1.06	0.929
Anthracene	ug/L		ND						ND		
Antimony	ug/L		0.66				0.67		0.62		
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		1.70				2.18		1.90		
Barium	ug/L		90.5				91.2		77.8		
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	0.33	0.31	0.34	0.34	0.31	0.30	0.28	0.32	0.31	0.27
Bromodichloromethane	ug/L	15.3	24.0	19.2	19.5	23.1	22.0	29.0	26.3	24.0	19.1
Bromoform	ug/L	DNQ Est. Conc. 0.47	0.72	0.82	0.50	0.50	0.79	1.2	0.59	0.50	DNQ Est. Conc. 0.31
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		ND				ND		ND		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	155	177	160	161	159	164	161	161	151	163
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chlorodibromomethane	ug/L	4.8	6.6	7.4	5.7	6.8	7.5	11.7	8.1	6.0	4.9
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	23.3	51.9	25.1	29.6	40.5	30.6	33.8	47.3	41.5	32.4
Chlorpyrifos	ug/L								ND		
Chromium III	ug/L		0.77				0.64		0.57		
Chromium VI	ug/L		0.08				0.11		0.13		
Chromium, total	ug/L		0.85				0.75		0.70		
Chromium, total (24-hour composite)	ug/L		0.66				0.81		0.81		
Chrysene	ug/L		ND						ND		
Copper	ug/L		4.73			4.37	4.31		4.61		
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

San Jose Creek East Water Reclamation Plant
2016 EFF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES 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	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	1.12	1.03	0.929	1.14	1.36	6.1(1)/7.8(2)	4.2(1)/5.4(2)	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		0.58	0.58	0.63	0.67			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		1.35	1.35	1.78	2.18			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L		72.5	72.5	83.0	91.2			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			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 525.2/610/625	10	0.007 - 0.15	0.020 - 10.0
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 - 0.004	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			EPA 625	5	0.17 - 0.25	2.0
Boron	mg/L	0.31	0.29	0.27	0.31	0.34		1	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L	22.8	19.4	15.3	22.0	29.0			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	0.54	0.70	DNQ Est. Conc. 0.31	0.57	1.2			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. 0.043	ND	ND	DNQ Est. Conc. 0.043			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	157	161	151	161	177		180	EPA 300.0		0.050 - 0.290	6.00 - 10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L	6.6	6.3	4.8	6.9	11.7			EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	29.3	26.4	23.3	34.3	51.9			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		0.74	0.57	0.68	0.77			EPA 200.8			0.50
Chromium VI	ug/L		0.06	0.06	0.10	0.13			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L		0.81	0.70	0.78	0.85			EPA 200.8	0.5	0.11	0.50
Chromium, total (24-hour composite)	ug/L		0.67	0.66	0.74	0.81			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	3.44	3.61	3.44	4.18	4.73			EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L		ND	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			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

San Jose Creek East Water Reclamation Plant
2016 EFF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June *	July *	August	September	October
Diethyl phthalate	ug/L		ND						ND		
Dimethyl phthalate	ug/L		ND						ND		
Dissolved oxygen	mg/L	7.0	7.9	6.9	5.2	5.7	6.4	6.0	5.7	6.3	6.8
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		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		0.445		0.427		0.402		0.425		0.429
gamma-BHC (Lindane)	ug/L		ND		ND		ND		ND		DNQ Est. Conc. 0.008
Gross alpha radioactivity	pCi/L		ND				2.88		3.01		
Gross beta radioactivity	pCi/L		ND				7.01		8.20		
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		50				60		67		
Isophorone	ug/L		ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.19	0.28	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.17	0.28	DNQ Est. Conc. 0.17
Mercury	ug/L		0.00069				0.00067		0.00077		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		DNQ Est. Conc. 0.26		ND
Methyl tert-butyl ether (MTBE)	ug/L		ND				ND		ND		
Methylene chloride	ug/L		0.95		ND		ND		ND		DNQ Est. Conc. 0.20
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.23	0.12	0.069	0.042	0.055	0.075	0.062	0.053	0.055	0.420
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		4.47				2.67		2.50		
Nitrate + nitrite as nitrogen	mg/L	6.92	7.40	5.48	5.74	7.41	6.51	6.20	5.55	6.30	6.41
Nitrate as nitrogen	mg/L	6.90	7.38	5.46	5.64	7.39	6.49	6.18	5.53	6.27	6.38
Nitrite as nitrogen	mg/L	ND	ND	ND	0.099	ND	ND	ND	ND	ND	ND
Nitrobenzene	ug/L		ND						ND		
OctaCDD	pg/L		DNQ Est. Conc. 5.0						DNQ Est. Conc. 6.8		
OctaCDF	pg/L		DNQ Est. Conc. 4.6						ND		
Oil and grease	mg/L		ND			ND			ND		
Organic nitrogen	mg/L	1.19	1.09	2.00	1.24	1.09	1.86	1.29	1.35	1.92	1.65
Orthophosphate-P	mg/L	0.214	0.145	0.229	0.113	0.325	0.230	0.300	0.230	0.375	0.522
PCB-105	pg/L								DNQ Est. Conc. 3.5		
PCB-114	pg/L								ND		
PCB-118	pg/L								DNQ Est. Conc. 6.6		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-158	pg/L								ND		

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
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	7.0	6.9	5.2	6.5	7.9			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 9221E & SM 9222D		1 - 1.8	1 - 1.8
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		0.436	0.402	0.427	0.445			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L		DNQ Est. Conc. 0.004	ND	ND	DNQ Est. Conc. 0.008			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		1.08	ND	1.74	3.01		15	EPA 900.0		1.36 - 3.81	1.36 - 3.81
Gross beta radioactivity	pCi/L		10.7	ND	6.48	10.7			EPA 900.0		1.20 - 3.20	1.20 - 3.20
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	0.0030 - 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	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		38	38	54	67			EPA 200.8		3	20
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.17	0.047	0.28	166(3)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.0014	0.00067	0.00088	0.0014			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.21 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.26			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L		ND	ND	ND	ND			EPA 624		0.12 - 0.21	0.50
Methylene chloride	ug/L		DNQ Est. Conc. 0.22	ND	0.16	0.95			EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0058 - 0.12	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.036	0.067	0.036	0.11	0.420			EPA 1625 (Modified)	5	0.0003 - 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		3.73	2.50	3.34	4.47			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	5.03	5.42	5.03	6.20	7.41		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	5.02	5.41	5.02	6.17	7.39			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	ND	ND	0.0083	0.099		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L			DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 6.8			EPA 1613B		0.29 - 1.1	100 - 110
OctaCDF	pg/L			ND	ND	DNQ Est. Conc. 4.6			EPA 1613B		0.48 - 1.0	100 - 110
Oil and grease	mg/L	ND		ND	ND	ND	15	10	EPA 1664A		0.8 - 1.2	4.4 - 4.9
Organic nitrogen	mg/L	1.42	1.65	1.09	1.48	2.00			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L	0.325	0.210	0.113	0.268	0.522			EPA 365.1		0.001	0.030
PCB-105	pg/L			DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5			EPA 1668		1.4	24
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.3	24
PCB-118	pg/L			DNQ Est. Conc. 6.6	ND	DNQ Est. Conc. 6.6			EPA 1668		1.3	24
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.3	24
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.5	24
PCB-158	pg/L			ND	ND	ND			EPA 1668		1.4	240

Parameter	Units	January	February	March	April	May	June *	July *	August	September	October
PCB-167	pg/L								ND		
PCB-169	pg/L								ND		
PCB-170	pg/L								ND		
PCB-177	pg/L								ND		
PCB-183	pg/L								DNQ Est. Conc. 2.2		
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. 3.5		
PCB-52	pg/L								DNQ Est. Conc. 18(4)		
PCB-66	pg/L								DNQ Est. Conc. 4.5		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-99	pg/L								DNQ Est. Conc. 3.8		
PCB-110/115	pg/L								DNQ Est. Conc. 13		
PCB-128/166	pg/L								ND		
PCB-129/138/163	pg/L								DNQ Est. Conc. 5.0		
PCB-135/151	pg/L								ND		
PCB-147/149	pg/L								DNQ Est. Conc. 4.6(4)(5)		
PCB-153/168	pg/L								DNQ Est. Conc. 4.2		
PCB-156/157	pg/L								ND		
PCB-18/30	pg/L								DNQ Est. Conc. 18(4)(5)		
PCB-180/193	pg/L								DNQ Est. Conc. 2.1		
PCB-20/28	pg/L								DNQ Est. Conc. 24(4)		
PCB-44/47/65	pg/L								DNQ Est. Conc. 54(4)		
PCB-49/69	pg/L								DNQ Est. Conc. 5.7		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 14		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 8.9		
PCB-90/101/113	pg/L								DNQ Est. Conc. 9.8		
PCBs as aroclors	ug/L		ND		ND				ND		ND
PCBs as congeners	ug/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.38	0.46	0.15	0.35	0.41	0.31	0.23	0.46	0.30	0.24
pH (NPDES)	SU	7.1	7.1	7.0	7.0	NR	NR	NR	7.0	6.9	6.9
pH (Reuse)	SU	7.1	7.0	7.0	7.0	7.1	7.0	6.9	6.9	6.9	6.9
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		ND		ND		ND		1.6		DNQ Est. Conc. 0.18
Pyrene	ug/L		ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.63	DNQ Est. Conc. 0.49	DNQ Est. Conc. 0.57	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.50	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.37	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.33
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				ND		ND		
Strontium-90	pCi/L		0.105				0.000		0.410		
Sulfate	mg/L	133	141	95.1	133	134	121	119	131	119	131
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	73.5	74.4	75.2	77.0	NR	NR	NR	83.3	86.0	82.1
Tetrachloroethene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		ND		ND		DNQ Est. Conc. 0.07		ND		ND

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.85	24
PCB-169	pg/L			ND	ND	ND			EPA 1668		1.1	24
PCB-170	pg/L			ND	ND	ND			EPA 1668		0.82	240
PCB-177	pg/L			ND	ND	ND			EPA 1668		0.78	240
PCB-183	pg/L			DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 2.2			EPA 1668		0.55	240
PCB-187	pg/L			ND	ND	ND			EPA 1668		2.0	240
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.9	24
PCB-194	pg/L			ND	ND	ND			EPA 1668		1.5	240
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.91	240
PCB-206	pg/L			ND	ND	ND			EPA 1668		3.1	240
PCB-37	pg/L			DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5			EPA 1668		1.6	240
PCB-52	pg/L			DNQ Est. Conc. 18(4)	ND	DNQ Est. Conc. 18(4)			EPA 1668		0.84	240
PCB-66	pg/L			DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 4.5			EPA 1668		1.5	240
PCB-77	pg/L			ND	ND	ND			EPA 1668		1.6	24
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.4	24
PCB-99	pg/L			DNQ Est. Conc. 3.8	ND	DNQ Est. Conc. 3.8			EPA 1668		1.5	240
PCB-110/115	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		1.3	490
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		1.8	490
PCB-129/138/163	pg/L			DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0			EPA 1668		1.8	730
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		1.9	490
PCB-147/149	pg/L			DNQ Est. Conc. 4.6(4)(5)	ND	DNQ Est. Conc. 4.6(4)(5)			EPA 1668		1.8	490
PCB-153/168	pg/L			DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 4.2			EPA 1668		1.5	490
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		1.1	49
PCB-18/30	pg/L			DNQ Est. Conc. 18(4)(5)	ND	DNQ Est. Conc. 18(4)(5)			EPA 1668		1.5	490
PCB-180/193	pg/L			DNQ Est. Conc. 2.1	ND	DNQ Est. Conc. 2.1			EPA 1668		0.65	490
PCB-20/28	pg/L			DNQ Est. Conc. 24(4)	ND	DNQ Est. Conc. 24(4)			EPA 1668		1.6	490
PCB-44/47/65	pg/L			DNQ Est. Conc. 54(4)	ND	DNQ Est. Conc. 54(4)			EPA 1668		0.77	730
PCB-49/69	pg/L			DNQ Est. Conc. 5.7	ND	DNQ Est. Conc. 5.7			EPA 1668		0.68	490
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		1.4	970
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 8.9	ND	DNQ Est. Conc. 8.9			EPA 1668		1.5	1500
PCB-90/101/113	pg/L			DNQ Est. Conc. 9.8	ND	DNQ Est. Conc. 9.8			EPA 1668		1.5	730
PCBs as aroclors	ug/L			ND	ND	ND			EPA 608			
PCBs as congeners	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	0.24	0.14	0.14	0.31	0.46			EPA 331.0		0.0201	0.05
pH (NPDES)	SU	7.0	6.9	6.9	7.0	7.1			SM 4500 H+ B		1.00	4.00
pH (Reuse)	SU	7.0	7.0	6.9	7.0	7.1			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	0.27	1.6			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. 0.26	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.26	ND	DNQ Est. Conc. 0.63	6.5(6)	4.6(6)	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			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L		0.000	0.000	0.129	0.410		8	EPA 905.0		0.491 - 0.682	0.491 - 0.682
Sulfate	mg/L	116	123	95.1	125	141		300	EPA 300.0		0.110 - 0.160	1.50 - 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	80.3	75.4	73.5	78.6	86.0	86(7)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16 - 0.18	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. 0.07			EPA 624	2	0.06 - 0.19	0.50

San Jose Creek East Water Reclamation Plant
2016 EFF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June *	July *	August	September	October
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 coliform, City of Industry	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		ND			DNQ Est. Conc. 1.90			DNQ Est. Conc. 2.03		
Total dissolved solids	mg/L	692	744	664	711	714	748	698	685	642	678
Total hardness (CaCO3)	mg/L	237	248	206	236	233	233	215	221	203	214
Total Kjeldahl Nitrogen (TKN)	mg/L	2.32	2.28	3.36	2.60	2.42	2.92	2.28	2.42	2.98	2.58
Total nitrogen	mg/L	9.24	10.5	8.84	8.34	9.83	9.43	8.48	7.97	9.28	8.99
Total phosphorus	mg/L	0.259	0.191	0.198	0.168	0.378	0.251	0.352	0.277	0.401	0.411
Total residual chlorine	mg/L	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	43.4	83.2	52.5	55.3	70.9	60.9	75.7	74.8	72.0	56.4
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		312				ND		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.51	0.54	0.57	0.50	0.59	0.61	0.65	0.67	0.65	0.72
Uranium	pCi/L		0.373				0.090		0.386		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		55.6				49.1		50.2		

San Jose Creek East Water Reclamation Plant
2016 EFF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3.0
Total chlorinated hydrocarbons (TICH)	ug/L	ND		ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	23(8)		SM 9221B & SM 9222B		1 - 1.8	1 - 1.8
Total coliform, City of Industry	No./100mL	ND	ND	ND	ND	ND			SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 1.00		ND	ND	DNQ Est. Conc. 2.03			SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	675	682	642	694	748		750	SM 2540C		2.7	50.0 - 71.4
Total hardness (CaCO3)	mg/L	219	218	203	224	248			EPA 200.8 & SM 2340C		0.01	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.54	2.68	2.28	2.62	3.36			EPA 351.2		0.135	0.400
Total nitrogen	mg/L	7.57	8.10	7.57	8.88	10.5			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.342	0.267	0.168	0.291	0.411			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	59.2	52.8	43.4	63.1	83.2		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	78.0	312		20000	EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.68	0.60	0.50	0.61	0.72	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.880	0.090	0.43	0.880		20	EPA 908.0		0.300	0.300
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L		59.5	49.1	53.6	59.5			EPA 200.8	1	0.60 - 0.66	1.00

* No discharge present at EFF-002 during this month.

NR = not required

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

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

(3) Wet weather effluent limit

(4) Compound found in the blank and sample.

(5) 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.

(6) Dry weather effluent limit

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

(8) 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
2016 INF-002 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		
1,3-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		
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		DNQ Est. Conc. 0.33						0.54		
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		1.36						1.50		
Benzene	ug/L		ND						ND		

San Jose Creek West Water Reclamation Plant
2016 INF-002 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
1,3-Dichloropropene (Total)	ug/L		ND	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		0.94 - 1.4	11 - 14
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	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	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	ND	EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	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			DNQ Est. Conc. 0.33	0.27	0.54	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	ND	EPA 608	0.5	0.02 - 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	ND	EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L			1.36	1.43	1.50	EPA 200.8	2	0.14	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50

San Jose Creek West Water Reclamation Plant
2016 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
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. 3.5						DNQ Est. Conc. 8.8		
Bromodichloromethane	ug/L		2.0						ND		
Bromoform	ug/L		ND						ND		
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		DNQ Est. Conc. 0.060						DNQ Est. Conc. 0.070		
Carbon tetrachloride	ug/L		ND						ND		
Chlorobenzene	ug/L		ND						ND		
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.45						ND		
Chloroethane	ug/L		ND						ND		
Chloroform	ug/L		9.5						2.6		
Chromium III	ug/L		2.84						8.03		
Chromium VI	ug/L		0.17						0.18		
Chromium, total	ug/L		3.01						8.21		
Chrysene	ug/L		ND						ND		
Copper	ug/L		35.1						50.7		
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. 3.7		
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		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		

San Jose Creek West Water Reclamation Plant
2016 INF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
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	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. 3.5	ND	DNQ Est. Conc. 8.8	EPA 625	5	0.25	20.0
Bromodichloromethane	ug/L			ND	1.0	2.0	EPA 624	2	0.17	0.50
Bromoform	ug/L			ND	ND	ND	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. 0.060	ND	DNQ Est. Conc. 0.070	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			ND	ND	DNQ Est. Conc. 0.45	EPA 624	2	0.14	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L			2.6	6.1	9.5	EPA 624	2	0.18	0.50
Chromium III	ug/L			2.84	5.44	8.03	EPA 200.8			0.50
Chromium VI	ug/L			0.17	0.18	0.18	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			3.01	5.61	8.21	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L			35.1	42.9	50.7	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L		ND	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	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 3.7	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	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.001	0.01
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	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		DNQ Est. Conc. 0.005	ND	ND	DNQ Est. Conc. 0.005	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	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

San Jose Creek West Water Reclamation Plant
2016 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Lead	ug/L	0.88	0.59	0.89	0.86	0.75	1.06	7.97	0.81	7.34	1.92
Mercury	ug/L		DNQ Est. Conc. 0.02						0.04		
Methyl bromide (Bromomethane)	ug/L		ND						ND		
Methyl chloride (Chloromethane)	ug/L		ND						ND		
Methylene chloride	ug/L		0.66						0.56		
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		2.91						2.92		
Nitrobenzene	ug/L		ND						ND		
PCB-105	pg/L								84		
PCB-114	pg/L								ND		
PCB-118	pg/L								210		
PCB-123	pg/L								DNQ Est. Conc. 11		
PCB-126	pg/L								ND		
PCB-158	pg/L								DNQ Est. Conc. 22		
PCB-167	pg/L								DNQ Est. Conc. 8.2		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 58		
PCB-177	pg/L								DNQ Est. Conc. 35		
PCB-183	pg/L								DNQ Est. Conc. 47		
PCB-187	pg/L								DNQ Est. Conc. 85		
PCB-189	pg/L								ND		
PCB-194	pg/L								DNQ Est. Conc. 20		
PCB-201	pg/L								DNQ Est. Conc. 7.0		
PCB-206	pg/L								DNQ Est. Conc. 18		
PCB-37	pg/L								DNQ Est. Conc. 44		
PCB-52	pg/L								DNQ Est. Conc. 240(1)		
PCB-66	pg/L								DNQ Est. Conc. 130		
PCB-77	pg/L								DNQ Est. Conc. 14		
PCB-81	pg/L								ND		
PCB-99	pg/L								DNQ Est. Conc. 99		
PCB-110/115	pg/L								DNQ Est. Conc. 240		
PCB-128/166	pg/L								DNQ Est. Conc. 30		
PCB-129/138/163	pg/L								DNQ Est. Conc. 230		
PCB-135/151	pg/L								DNQ Est. Conc. 57		
PCB-147/149	pg/L								DNQ Est. Conc. 150		
PCB-153/168	pg/L								DNQ Est. Conc. 200		
PCB-156/157	pg/L								DNQ Est. Conc. 31		
PCB-18/30	pg/L								DNQ Est. Conc. 100(1)(2)		
PCB-180/193	pg/L								DNQ Est. Conc. 170		
PCB-20/28	pg/L								DNQ Est. Conc. 190(1)		
PCB-44/47/65	pg/L								DNQ Est. Conc. 350(1)		
PCB-49/69	pg/L								DNQ Est. Conc. 78		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 290		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 180		
PCB-90/101/113	pg/L								DNQ Est. Conc. 240		
Pentachlorophenol	ug/L		ND						ND		
Phenanthrene	ug/L		ND						ND		

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Lead	ug/L	0.92	1.72	0.59	2.1	7.97	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.06	DNQ Est. Conc. 0.02	0.03	0.06	EPA 245.1	0.5	0 - 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			0.56	0.61	0.66	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.12	0.200 - 50.0
n-Nitrosodimethylamine (NDMA)	ug/L		ND	ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.050 - 0.14	0.200 - 50.0
n-Nitrosodiphenylamine	ug/L		ND	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			2.91	2.92	2.92	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			84	84	84	EPA 1668		3.6	30
PCB-114	pg/L			ND	ND	ND	EPA 1668		3.7	30
PCB-118	pg/L			210	210	210	EPA 1668		3.5	30
PCB-123	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		3.7	30
PCB-126	pg/L			ND	ND	ND	EPA 1668		3.8	30
PCB-158	pg/L			DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		2.0	300
PCB-167	pg/L			DNQ Est. Conc. 8.2	ND	DNQ Est. Conc. 8.2	EPA 1668		2.3	30
PCB-169	pg/L			ND	ND	ND	EPA 1668		3.2	30
PCB-170	pg/L			DNQ Est. Conc. 58	ND	DNQ Est. Conc. 58	EPA 1668		1.8	300
PCB-177	pg/L			DNQ Est. Conc. 35	ND	DNQ Est. Conc. 35	EPA 1668		1.7	300
PCB-183	pg/L			DNQ Est. Conc. 47	ND	DNQ Est. Conc. 47	EPA 1668		1.2	300
PCB-187	pg/L			DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85	EPA 1668		2.1	300
PCB-189	pg/L			ND	ND	ND	EPA 1668		2.3	30
PCB-194	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20	EPA 1668		1.9	300
PCB-201	pg/L			DNQ Est. Conc. 7.0	ND	DNQ Est. Conc. 7.0	EPA 1668		1.4	300
PCB-206	pg/L			DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		4.5	300
PCB-37	pg/L			DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44	EPA 1668		5.5	300
PCB-52	pg/L			DNQ Est. Conc. 240(1)	ND	DNQ Est. Conc. 240(1)	EPA 1668		1.3	300
PCB-66	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		3.6	300
PCB-77	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		4.1	30
PCB-81	pg/L			ND	ND	ND	EPA 1668		3.9	30
PCB-99	pg/L			DNQ Est. Conc. 99	ND	DNQ Est. Conc. 99	EPA 1668		3.9	300
PCB-110/115	pg/L			DNQ Est. Conc. 240	ND	DNQ Est. Conc. 240	EPA 1668		3.4	600
PCB-128/166	pg/L			DNQ Est. Conc. 30	ND	DNQ Est. Conc. 30	EPA 1668		2.5	600
PCB-129/138/163	pg/L			DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668		2.4	910
PCB-135/151	pg/L			DNQ Est. Conc. 57	ND	DNQ Est. Conc. 57	EPA 1668		2.6	600
PCB-147/149	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		2.5	600
PCB-153/168	pg/L			DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200	EPA 1668		2.1	600
PCB-156/157	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31	EPA 1668		3.2	60
PCB-18/30	pg/L			DNQ Est. Conc. 100(1)(2)	ND	DNQ Est. Conc. 100(1)(2)	EPA 1668		2.0	600
PCB-180/193	pg/L			DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		1.4	600
PCB-20/28	pg/L			DNQ Est. Conc. 190(1)	ND	DNQ Est. Conc. 190(1)	EPA 1668		5.5	600
PCB-44/47/65	pg/L			DNQ Est. Conc. 350(1)	ND	DNQ Est. Conc. 350(1)	EPA 1668		1.2	910
PCB-49/69	pg/L			DNQ Est. Conc. 78	ND	DNQ Est. Conc. 78	EPA 1668		1.1	600
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668		3.4	1200
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668		3.8	1800
PCB-90/101/113	pg/L			DNQ Est. Conc. 240	ND	DNQ Est. Conc. 240	EPA 1668		3.9	910
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

San Jose Creek West Water Reclamation Plant
2016 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Phenol	ug/L		10.4						28.9		
pH	SU	7.5	7.0	7.4	7.3	7.5	7.6	7.4	7.3	7.2	7.3
Pyrene	ug/L		ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.62	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.60	DNQ Est. Conc. 0.71	DNQ Est. Conc. 0.65	DNQ Est. Conc. 0.69	1.49	DNQ Est. Conc. 0.63	1.38	DNQ Est. Conc. 0.91
Silver	ug/L		0.51						0.26		
Technical Chlordane	ug/L		ND						ND		
Tetrachloroethene	ug/L		ND						DNQ Est. Conc. 0.28		
Thallium	ug/L		ND						ND		
Toluene	ug/L		0.89						1.3		
Total BOD 20C	mg/L	287	624	306	332	305	248	299	244	5968	267
Total cyanide	ug/L		DNQ Est. Conc. 2.6						DNQ Est. Conc. 2.8		
Total suspended solids	mg/L	356	826	340	398	393	323	339	345	11055	528
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		88.8						72.5		

San Jose Creek West Water Reclamation Plant
2016 INF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Phenol	ug/L			10.4	19.7	28.9	EPA 625	1	0.14	10.0
pH	SU	7.4	7.5	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
Selenium	ug/L	DNQ Est. Conc. 0.82	DNQ Est. Conc. 0.88	DNQ Est. Conc. 0.42	0.24	1.49	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L			0.26	0.39	0.51	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L		ND	ND	ND	ND	EPA 608	0.1	0.01 - 0.03	0.05
Tetrachloroethene	ug/L			ND	ND	DNQ Est. Conc. 0.28	EPA 624	2	0.18	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L			0.89	1.1	1.3	EPA 624	2	0.19	0.50
Total BOD 20C	mg/L	355	328	244	797	5968	SM 5210B		0.6	120 - 6000
Total cyanide	ug/L			DNQ Est. Conc. 2.6	ND	DNQ Est. Conc. 2.8	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	389	424	323	1310	11055	SM 2540D		2.5	50.0 - 2500
Toxaphene	ug/L		ND	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
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			72.5	80.7	88.8	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.

San Jose Creek WRP, West, Effluent Monitoring

San Jose Creek West Water Reclamation Plant
2016 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		DNQ Est. Conc. 0.0027						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND						ND		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 2.5						ND		
1,2,3,4,7,8-HexaCDD	pg/L		DNQ Est. Conc. 2.2						ND		
1,2,3,4,7,8-HexaCDF	pg/L		ND						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND						ND		
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						DNQ Est. Conc. 1.9		
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 1.6						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		0.81								0.77
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		DNQ Est. Conc. 1.6						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						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
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		

San Jose Creek West Water Reclamation Plant
2016 EFF-003 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 - 0.20	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 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.12	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	DNQ Est. Conc. 0.0027			EPA 524.2 & EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND	ND	ND			EPA 1613B		0.73 - 1.4	50 - 55
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.79 - 0.86	50 - 55
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 2.2			EPA 1613B		0.78 - 0.99	50 - 55
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.64 - 0.89	50 - 55
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND			EPA 1613B		1.3 - 1.5	50 - 55
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.75 - 0.97	50 - 55
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.55 - 0.78	50 - 55
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		1.7 - 2.5	50 - 55
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.94 - 2.5	50 - 55
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.9			EPA 1613B		0.62 - 0.79	50 - 55
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.47 - 0.64	50 - 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 - 0.09	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 - 0.16	0.50
1,4-Dioxane	ug/L			0.77	0.79	0.81			SW-846 8270MOD 1,4-Dioxane		0.04 - 0.09	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	0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.46 - 0.63	50 - 55
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.96 - 2.9	50 - 55
2,3,7,8-TCDD	pg/L		DNQ Est. Conc. 1.7	ND	ND	DNQ Est. Conc. 1.7			EPA 1613B		0.30 - 1.1	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	ND			EPA 1613B		0.81 - 1.2	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	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
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 West Water Reclamation Plant
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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	1.67	1.06	1.03	0.980	1.04	0.941	0.946	1.42	0.947	1.04
Anthracene	ug/L		ND						ND		
Antimony	ug/L		DNQ Est. Conc. 0.45				0.53		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		1.20				1.04		1.47		
Barium	ug/L		37.3				41.5		83.8		
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	0.30	0.30	0.36	0.34	0.33	0.31	0.30	0.31	0.33	0.31
Bromodichloromethane	ug/L	15.5	16.0	16.8	ND	20.0	20.4	17.1	10.0	17.8	21.6
Bromoform	ug/L	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.40	ND	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.35
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		ND				ND		DNQ Est. Conc. 0.040		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	105	119	111	119	120	121	115	116	119	133
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chlorodibromomethane	ug/L	3.8	2.8	3.4	4.2	3.9	3.8	4.1	2.0	4.0	4.0
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	27.8	45.5	37.3	35.1	45.1	45.1	32.1	23.9	38.1	49.5
Chlorpyrifos	ug/L								ND		
Chromium III	ug/L		1.15				0.77		1.10		
Chromium VI	ug/L		0.08				0.41		0.07		
Chromium, total	ug/L		1.23				1.18		1.17		
Chromium, total (24-hour composite)	ug/L		1.28				0.98		1.16		
Chrysene	ug/L		ND						ND		
Copper	ug/L		3.89			4.99	3.65		5.13		
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

San Jose Creek West Water Reclamation Plant
2016 EFF-003 Monitoring Results

Parameter	Units	November *	December *	Monthly Average			NPDES 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	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.946	0.934	0.934	1.08	1.67	6.3(1)/7.8(2)	4.0(1)/5.0(2)	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	DNQ Est. Conc. 0.45	0.29	0.61			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		1.17	1.04	1.22	1.47			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L		39.0	37.3	50.4	83.8			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			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 - 0.004	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			EPA 625	5	0.17 - 0.25	2.0
Boron	mg/L	0.34	0.32	0.30	0.32	0.36		1.0	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L	23.5	21.6	ND	16.7	23.5			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.36	DNQ Est. Conc. 0.41	ND	ND	DNQ Est. Conc. 0.45			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. 0.057	ND	ND	DNQ Est. Conc. 0.057			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	119	128	105	119	133		180	EPA 300.0		0.050 - 0.290	4.00 - 10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L	4.6	4.5	2.0	3.8	4.6			EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	48.7	42.2	23.9	39.2	49.5			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		1.30	0.77	1.1	1.30			EPA 200.8			0.50
Chromium VI	ug/L		0.14	0.07	0.2	0.41			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L		1.44	1.17	1.26	1.44			EPA 200.8	0.5	0.11	0.50
Chromium, total (24-hour composite)	ug/L		1.22	0.98	1.2	1.28			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	4.99	6.39	3.65	4.84	6.39			EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L		ND	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			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

San Jose Creek West Water Reclamation Plant
2016 EFF-003 Monitoring Results

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *	October *
Diethyl phthalate	ug/L		ND						ND		
Dimethyl phthalate	ug/L		ND						ND		
Dissolved oxygen	mg/L	7.9	8.2	7.7	7.5	7.2	7.0	6.3	5.6	6.9	6.9
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		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		0.671		0.706		0.668		0.679		0.726
gamma-BHC (Lindane)	ug/L		ND		DNQ Est. Conc. 0.002		ND		ND		DNQ Est. Conc. 0.007
Gross alpha radioactivity	pCi/L		3.01				1.58		2.27		
Gross beta radioactivity	pCi/L		9.29				7.03		7.92		
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		44				56		64		
Isophorone	ug/L		ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.23	0.27	0.28	0.29	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.22	0.27	0.54	0.29
Mercury	ug/L		0.00076				0.00064		0.0053		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND		DNQ Est. Conc. 0.20
Methyl tert-butyl ether (MTBE)	ug/L		ND				ND		ND		
Methylene chloride	ug/L		ND		ND		ND		ND		ND
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.59	0.56	0.23	0.36	0.24	0.16	0.73	0.41	0.480	0.028
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		1.35				1.79		1.73		
Nitrate + nitrite as nitrogen	mg/L	7.56	7.31	7.45	6.64	7.26	5.91	4.65	6.28	6.34	6.65
Nitrate as nitrogen	mg/L	7.54	7.29	7.43	6.55	7.25	5.89	4.62	6.26	6.31	6.61
Nitrite as nitrogen	mg/L	ND	ND	ND	0.089	ND	ND	ND	ND	ND	0.039
Nitrobenzene	ug/L		ND						ND		
OctaCDD	pg/L		DNQ Est. Conc. 11						DNQ Est. Conc. 13		
OctaCDF	pg/L		ND						ND		
Oil and grease	mg/L		ND			ND			ND		
Organic nitrogen	mg/L	0.750	0.848	1.47	1.36	1.22	1.88	0.898	0.920	1.83	1.38
Orthophosphate-P	mg/L	0.871	0.962	0.721	2.09	0.574	1.13	0.656	1.97	0.512	1.50
PCB-105	pg/L								ND		
PCB-114	pg/L								ND		
PCB-118	pg/L								DNQ Est. Conc. 6.1		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-158	pg/L								ND		

San Jose Creek West Water Reclamation Plant
2016 EFF-003 Monitoring Results

Parameter	Units	November *	December *	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
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	7.0	7.0	5.6	7.1	8.2			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 9221E & SM 9222D		1 - 2	1 - 2
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		0.676	0.668	0.688	0.726			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L		DNQ Est. Conc. 0.004	ND	ND	DNQ Est. Conc. 0.007			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		2.42	1.58	2.32	3.01		15	EPA 900.0		1.28 - 2.34	1.28 - 2.34
Gross beta radioactivity	pCi/L		8.64	7.03	8.22	9.29			EPA 900.0		0.895 - 1.69	0.895 - 1.69
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		32	32	49	64			EPA 200.8		3	20
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Lead	ug/L	0.31	0.26	DNQ Est. Conc. 0.19	0.21	0.54	166(3)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.0012	0.00064	0.0020	0.0053			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.21 - 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 (MTBE)	ug/L		ND	ND	ND	ND			EPA 624		0.12 - 0.21	0.50
Methylene chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0058 - 0.12	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.290	0.560	0.028	0.39	0.73			EPA 1625 (Modified)	5	0.0003 - 0.005	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		1.72	1.35	1.65	1.79			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	7.78	6.74	4.65	6.71	7.78		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	7.75	6.71	4.62	6.68	7.75			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	0.030	ND	0.013	0.089		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 13			EPA 1613B		1.0 - 1.1	100 - 110
OctaCDF	pg/L			ND	ND	ND			EPA 1613B		0.73 - 1.6	100 - 110
Oil and grease	mg/L	ND		ND	ND	ND	15	10	EPA 1664A		0.8 - 1.2	4.6 - 4.7
Organic nitrogen	mg/L	0.884	1.23	0.750	1.22	1.88			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L	2.24	0.310	0.310	1.13	2.24			EPA 365.1		0.001	0.030
PCB-105	pg/L			ND	ND	ND			EPA 1668		1.6	25
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.6	25
PCB-118	pg/L			DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 6.1			EPA 1668		1.6	25
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.6	25
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.8	25
PCB-158	pg/L			ND	ND	ND			EPA 1668		1.3	250

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *	October *
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		
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. 4.0		
PCB-52	pg/L								DNQ Est. Conc. 16(4)		
PCB-66	pg/L								DNQ Est. Conc. 4.5		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-99	pg/L								ND		
PCB-110/115	pg/L								DNQ Est. Conc. 10		
PCB-128/166	pg/L								ND		
PCB-129/138/163	pg/L								DNQ Est. Conc. 4.2		
PCB-135/151	pg/L								ND		
PCB-147/149	pg/L								DNQ Est. Conc. 3.5		
PCB-153/168	pg/L								DNQ Est. Conc. 4.0		
PCB-156/157	pg/L								ND		
PCB-18/30	pg/L								DNQ Est. Conc. 17(4)(5)		
PCB-180/193	pg/L								DNQ Est. Conc. 2.6		
PCB-20/28	pg/L								DNQ Est. Conc. 21(4)		
PCB-44/47/65	pg/L								DNQ Est. Conc. 51(4)		
PCB-49/69	pg/L								DNQ Est. Conc. 6.3		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 13		
PCB-86/87/97/108/119/125	pg/L								ND		
PCB-90/101/113	pg/L								DNQ Est. Conc. 9.2		
PCBs as aroclors	ug/L		ND		ND				ND		ND
PCBs as congeners	ug/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.32	0.51	0.47	0.48	0.57	0.37	0.4	0.29	0.16	0.43
pH (NPDES)	SU	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
pH (Reuse)	SU	7.0	7.0	7.0	7.0	7.1	7.0	7.1	7.1	7.0	7.0
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		DNQ Est. Conc. 0.16		DNQ Est. Conc. 0.19		DNQ Est. Conc. 0.15		DNQ Est. Conc. 0.25		DNQ Est. Conc. 0.15
Pyrene	ug/L		ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.54	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.28
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				ND		ND		
Strontium-90	pCi/L		ND				0.000		0.154		
Sulfate	mg/L	108	89.4	67.0	92.6	87.4	87.7	82.8	84.2	88.2	101
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
Tetrachloroethene	ug/L		ND		ND		ND		ND		4.3
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		ND		ND		ND		ND		ND

Parameter	Units	November *	December *	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-167	pg/L			ND	ND	ND			EPA 1668		1.1	25
PCB-169	pg/L			ND	ND	ND			EPA 1668		1.4	25
PCB-170	pg/L			ND	ND	ND			EPA 1668		0.95	250
PCB-177	pg/L			ND	ND	ND			EPA 1668		0.91	250
PCB-183	pg/L			ND	ND	ND			EPA 1668		0.64	250
PCB-187	pg/L			ND	ND	ND			EPA 1668		2.1	250
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.9	25
PCB-194	pg/L			ND	ND	ND			EPA 1668		1.6	250
PCB-201	pg/L			ND	ND	ND			EPA 1668		1.1	250
PCB-206	pg/L			ND	ND	ND			EPA 1668		3.1	250
PCB-37	pg/L			DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.0			EPA 1668		1.7	250
PCB-52	pg/L			DNQ Est. Conc. 16(4)	ND	DNQ Est. Conc. 16(4)			EPA 1668		0.73	250
PCB-66	pg/L			DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 4.5			EPA 1668		1.7	250
PCB-77	pg/L			ND	ND	ND			EPA 1668		2.0	25
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.9	25
PCB-99	pg/L			ND	ND	ND			EPA 1668		1.8	250
PCB-110/115	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668		1.6	490
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		1.6	490
PCB-129/138/163	pg/L			DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 4.2			EPA 1668		1.6	740
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		1.8	490
PCB-147/149	pg/L			DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5			EPA 1668		1.7	490
PCB-153/168	pg/L			DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.0			EPA 1668		1.4	490
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		1.5	49
PCB-18/30	pg/L			DNQ Est. Conc. 17(4)(5)	ND	DNQ Est. Conc. 17(4)(5)			EPA 1668		1.2	490
PCB-180/193	pg/L			DNQ Est. Conc. 2.6	ND	DNQ Est. Conc. 2.6			EPA 1668		0.76	490
PCB-20/28	pg/L			DNQ Est. Conc. 21(4)	ND	DNQ Est. Conc. 21(4)			EPA 1668		1.5	490
PCB-44/47/65	pg/L			DNQ Est. Conc. 51(4)	ND	DNQ Est. Conc. 51(4)			EPA 1668		0.67	740
PCB-49/69	pg/L			DNQ Est. Conc. 6.3	ND	DNQ Est. Conc. 6.3			EPA 1668		0.59	490
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		1.6	980
PCB-86/87/97/108/119	pg/L			ND	ND	ND			EPA 1668		1.7	1500
PCB-90/101/113	pg/L			DNQ Est. Conc. 9.2	ND	DNQ Est. Conc. 9.2			EPA 1668		1.8	740
PCBs as aroclors	ug/L			ND	ND	ND			EPA 608			
PCBs as congeners	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	0.2	0.42	0.16	0.4	0.57			EPA 331.0		0.0201	0.05
pH (NPDES)	SU	NR	NR	NR	NR	NR			SM 4500 H+ B		1.00	4.00
pH (Reuse)	SU	7.0	7.1	7.0	7.0	7.1			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		ND	ND	ND	DNQ Est. Conc. 0.25			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. 0.25	DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.54			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		DNQ Est. Conc. 0.01	ND	ND	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L		0.000	ND	0.0385	0.154		8	EPA 905.0		0.491 - 0.682	0.491 - 0.682
Sulfate	mg/L	86.0	93.1	67.0	89.0	108		300	EPA 300.0		0.110 - 0.160	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)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L		ND	ND	0.72	4.3			EPA 624	2	0.16 - 0.18	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	ND			EPA 624	2	0.06 - 0.19	0.50

San Jose Creek West Water Reclamation Plant
2016 EFF-003 Monitoring Results

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *	October *
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. 1.24			DNQ Est. Conc. 1.48			ND		
Total dissolved solids	mg/L	560	572	542	573	562	616	564	570	560	608
Total hardness (CaCO3)	mg/L	211	202	187	207	205	211	199	205	209	208
Total Kjeldahl Nitrogen (TKN)	mg/L	2.42	1.91	2.50	2.34	2.26	2.82	1.84	2.34	2.78	2.42
Total nitrogen	mg/L	9.98	9.50	9.95	8.98	9.52	8.73	6.49	8.62	9.12	9.07
Total phosphorus	mg/L	0.913	0.929	0.737	2.09	0.633	1.07	0.636	1.91	0.486	1.50
Total residual chlorine	mg/L	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	47.1	64.3	57.5	39.3	69.0	69.3	53.3	32.0	59.9	75.1
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		ND				ND		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.81	0.67	0.71	0.60	0.65	0.57	0.61	0.64	0.65	0.70
Uranium	pCi/L		1.21				0.721		0.386		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		50.9				46.2		55.2		

San Jose Creek West Water Reclamation Plant
2016 EFF-003 Monitoring Results

Parameter	Units	November *	December *	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3.0
Total chlorinated hydrocarbons (TICH)	ug/L	ND		ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	23(7)		SM 9221B & SM 9222B		1 - 2	1 - 2
Total cyanide	ug/L	DNQ Est. Conc. 2.07		ND	ND	DNQ Est. Conc. 2.07			SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	611	642	542	582	642		750	SM 2540C		2.7	45.5 - 55.6
Total hardness (CaCO3)	mg/L	212	212	187	206	212			EPA 200.8 & SM 2340C		0.01	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.83	2.16	1.83	2.30	2.82			EPA 351.2		0.135	0.200 - 0.400
Total nitrogen	mg/L	9.61	8.90	6.49	9.04	9.98			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	2.28	0.375	0.375	1.13	2.28			EPA 365.1		0.001	0.030 - 0.060
Total residual chlorine	mg/L	NR	NR	NR	NR	NR	0.1		SM 4500 Cl G			
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	77.2	68.7	32.0	59.4	77.2		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		249	ND	62.3	249		20000	EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.68	0.63	0.57	0.66	0.81	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.528	0.386	0.711	1.21		20	EPA 908.0		0.300	0.300
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L		63.0	46.2	53.8	63.0			EPA 200.8	1	0.60 - 0.66	1.00

* No discharge present at EFF-003 during this month.

NR = not required

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

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

(3) Wet weather effluent limit

(4) Compound found in the blank and sample.

(5) 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.

(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
2016 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					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						ND		
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	ND						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						ND		
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	1.91						0.84		
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	8.93						2.32		
Benzene	ug/L	ND						ND		

Saugus Water Reclamation Plant
2016 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		0.29 - 0.64	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	ND	EPA 608	0.01	0.001 - 0.003	0.01
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
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 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	ND	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				0.84	1.4	1.91	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				2.32	5.63	8.93	EPA 200.8	2	0.14 - 0.15	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50

Saugus Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
Benzidine	ug/L	ND	ND					ND		
Benzo(a)anthracene	ug/L	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		
Benzo(g,h,i)perylene	ug/L	ND	ND					ND		
Benzo(k)fluoranthene	ug/L	ND	ND					ND		
Beryllium	ug/L	DNQ Est. Conc. 0.16						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. 6.7	DNQ Est. Conc. 8.2					DNQ Est. Conc. 7.2		
BOD	mg/L	351	305	309	320	339	299	267	269	268
Bromodichloromethane	ug/L	0.73	0.86	0.84	0.77	0.50	0.73	DNQ Est. Conc. 0.27	0.54	0.71
Bromoform	ug/L	2.9	2.9	2.6	3.5	3.3	3.4	0.92	2.4	1.9
Butyl benzyl phthalate	ug/L	ND	ND					DNQ Est. Conc. 2.0		
Cadmium	ug/L	0.55						0.36		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	137	127	123	135	136	137	138	128	125
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	1.6	1.7	1.9	1.4	1.4	2.0	0.54	1.2	1.6
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	2.0	1.9	2.1	1.9	1.2	1.6	1.6	0.83	1.3
Chromium III	ug/L	1.68						0.87		
Chromium VI	ug/L	0.19						0.22		
Chromium, total	ug/L	1.87						1.08		
Chrysene	ug/L	ND	ND					ND		
Copper	ug/L	288	97.9	118	136	115	107	75.1	248	80.9
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. 3.2	DNQ Est. Conc. 4.0					DNQ Est. Conc. 4.3		
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	ND						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		

Saugus Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
Benzo(a)anthracene	ug/L	ND	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
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	DNQ Est. Conc. 0.16	EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002 - 0.003	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. 6.7	ND	DNQ Est. Conc. 8.2	EPA 625	5	0.25	20.0
BOD	mg/L	280	288	303	267	300	351	SM 5210B		0.6	85.7 - 120
Bromodichloromethane	ug/L	1.0	ND	1.0	ND	0.64	1.0	EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	2.1	2.8	2.9	0.92	2.6	3.5	EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 2.0	EPA 625	10	0.16	100
Cadmium	ug/L				0.36	0.46	0.55	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	0.01 - 0.03	0.05
Chloride	mg/L	128	131	125	123	131	138	EPA 300.0		0.050 - 0.290	4.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	2.2	3.1	2.9	0.54	1.8	3.1	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	2.1	ND	1.5	ND	1.5	2.1	EPA 624	2	0.09 - 0.18	0.50
Chromium III	ug/L				0.87	1.3	1.68	EPA 200.8			0.50
Chromium VI	ug/L				0.19	0.21	0.22	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				1.08	1.48	1.87	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.17	100
Copper	ug/L	75.7	93.0	99.7	75.1	128	288	EPA 200.8	0.5	0.11 - 0.16	0.50 - 10.0
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	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 4.3	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				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				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 - 0.001	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

Saugus Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
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	7.91	0.54	0.60	0.73	0.68	0.84	0.69	3.82	0.56
Mercury	ug/L	0.29	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.03	0.04	DNQ Est. Conc. 0.01	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	0.12	DNQ Est. Conc. 0.03
Methoxychlor	ug/L	ND								
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	ND						DNQ Est. Conc. 0.40		
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	10.5	2.22	3.51	2.53	2.81	2.81	2.61	7.64	2.38
Nitrobenzene	ug/L	ND	ND					ND		
PCB-105	pg/L							50		
PCB-114	pg/L							ND		
PCB-118	pg/L							140		
PCB-123	pg/L							DNQ Est. Conc. 8.1		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 130		
PCB-158	pg/L							DNQ Est. Conc. 14		
PCB-167	pg/L							ND		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 40		
PCB-177	pg/L							DNQ Est. Conc. 19		
PCB-183	pg/L							DNQ Est. Conc. 21 (1)		
PCB-187	pg/L							DNQ Est. Conc. 43		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 16		
PCB-201	pg/L							ND		
PCB-206	pg/L							ND		
PCB-37	pg/L							DNQ Est. Conc. 23		
PCB-52	pg/L							DNQ Est. Conc. 160 (1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 160 (1)		
PCB-66	pg/L							DNQ Est. Conc. 69		
PCB-77	pg/L							DNQ Est. Conc. 6.8		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 110		
PCB-90/101/113	pg/L							DNQ Est. Conc. 150 (1)		
PCB-99	pg/L							DNQ Est. Conc. 61		
PCB-110/115	pg/L							DNQ Est. Conc. 140 (1)		
PCB-128/166	pg/L							DNQ Est. Conc. 16		
PCB-135/151	pg/L							DNQ Est. Conc. 27		
PCB-147/149	pg/L							DNQ Est. Conc. 77 (1)		
PCB-153/168	pg/L							DNQ Est. Conc. 100		
PCB-156/157	pg/L							DNQ Est. Conc. 22		
PCB-18/30	pg/L							DNQ Est. Conc. 50		
PCB-180/193	pg/L							DNQ Est. Conc. 110		
PCB-20/28	pg/L							DNQ Est. Conc. 100 (1)		

Saugus Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
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	0.51	0.58	1.36	0.51	1.6	7.91	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.05	DNQ Est. Conc. 0.03	0.05	DNQ Est. Conc. 0.01	0.05	0.29	EPA 245.1	0.5	0.004	0.04
Methoxychlor	ug/L				ND	ND	ND	EPA 608		0.001	0.01
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.21 - 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				ND	ND	DNQ Est. Conc. 0.40	EPA 624	2	0.18	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	2.36	2.96	3.99	2.22	3.86	10.5	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				50	50	50	EPA 1668		3.9	21
PCB-114	pg/L				ND	ND	ND	EPA 1668		4.0	21
PCB-118	pg/L				140	140	140	EPA 1668		3.9	21
PCB-123	pg/L				DNQ Est. Conc. 8.1	ND	DNQ Est. Conc. 8.1	EPA 1668		4.0	21
PCB-126	pg/L				ND	ND	ND	EPA 1668		3.7	21
PCB-129/138/163	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		2.4	620
PCB-158	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		1.9	210
PCB-167	pg/L				ND	ND	ND	EPA 1668		3.8	21
PCB-169	pg/L				ND	ND	ND	EPA 1668		4.3	21
PCB-170	pg/L				DNQ Est. Conc. 40	ND	DNQ Est. Conc. 40	EPA 1668		2.6	210
PCB-177	pg/L				DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668		2.4	210
PCB-183	pg/L				DNQ Est. Conc. 21 (1)	ND	DNQ Est. Conc. 21 (1)	EPA 1668		1.7	210
PCB-187	pg/L				DNQ Est. Conc. 43	ND	DNQ Est. Conc. 43	EPA 1668		3.4	210
PCB-189	pg/L				ND	ND	ND	EPA 1668		2.9	21
PCB-194	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668		2.8	210
PCB-201	pg/L				ND	ND	ND	EPA 1668		2.3	210
PCB-206	pg/L				ND	ND	ND	EPA 1668		5.4	210
PCB-37	pg/L				DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23	EPA 1668		6.3	210
PCB-52	pg/L				DNQ Est. Conc. 160 (1)	ND	DNQ Est. Conc. 160 (1)	EPA 1668		2.1	210
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 160 (1)	ND	DNQ Est. Conc. 160 (1)	EPA 1668		3.8	820
PCB-66	pg/L				DNQ Est. Conc. 69	ND	DNQ Est. Conc. 69	EPA 1668		4.0	210
PCB-77	pg/L				DNQ Est. Conc. 6.8	ND	DNQ Est. Conc. 6.8	EPA 1668		4.7	21
PCB-81	pg/L				ND	ND	ND	EPA 1668		4.6	21
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		4.1	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 150 (1)	ND	DNQ Est. Conc. 150 (1)	EPA 1668		4.2	620
PCB-99	pg/L				DNQ Est. Conc. 61	ND	DNQ Est. Conc. 61	EPA 1668		4.1	210
PCB-110/115	pg/L				DNQ Est. Conc. 140 (1)	ND	DNQ Est. Conc. 140 (1)	EPA 1668		3.7	410
PCB-128/166	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668		2.4	410
PCB-135/151	pg/L				DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27	EPA 1668		2.5	410
PCB-147/149	pg/L				DNQ Est. Conc. 77 (1)	ND	DNQ Est. Conc. 77 (1)	EPA 1668		2.4	410
PCB-153/168	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		2.0	410
PCB-156/157	pg/L				DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		5.0	41
PCB-18/30	pg/L				DNQ Est. Conc. 50	ND	DNQ Est. Conc. 50	EPA 1668		4.1	410
PCB-180/193	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		2.0	410
PCB-20/28	pg/L				DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668		6.7	410

Saugus Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-44/47/65	pg/L							DNQ Est. Conc. 380 (1)		
PCB-49/69	pg/L							ND		
PCBs as congeners	ug/L							0.000190		
Pentachlorophenol	ug/L	ND	ND					ND		
Phenanthrene	ug/L	ND	ND					ND		
Phenol	ug/L	63.2	17.7					35.1		
pH	SU	8.1	8.1	8.2	8.2	8.3	8.1	8.1	8.0	7.9
Polychlorinated biphenyls (PCBs)	ug/L	ND						ND		
Pyrene	ug/L	ND	ND					ND		
Selenium	ug/L	2.16						DNQ Est. Conc. 0.77		
Silver	ug/L	0.53						DNQ Est. Conc. 0.15		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	DNQ Est. Conc. 0.070						ND		
Toluene	ug/L	DNQ Est. Conc. 0.28						0.64		
Total cyanide	ug/L	ND	DNQ Est. Conc. 1.0	DNQ Est. Conc. 1.7	DNQ Est. Conc. 1.4	DNQ Est. Conc. 1.8	ND	ND	DNQ Est. Conc. 1.8	DNQ Est. Conc. 1.2
Total suspended solids	mg/L	370	374	316	333	335	323	326	314	362
Total trihalomethanes	ug/L	7.2	7.4	7.4	7.6	6.4	7.7	3.1	5.0	5.5
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	499	81.3	150	130	166	120	80.3	561	97.8

Saugus Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-44/47/65	pg/L				DNQ Est. Conc. 380 (1)	ND	DNQ Est. Conc. 380 (1)	EPA 1668		2.0	620
PCB-49/69	pg/L				ND	ND	ND	EPA 1668		1.7	410
PCBs as congeners	ug/L				0.000190	0.000190	0.000190	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				17.7	38.7	63.2	EPA 625	1	0.14	10.0
pH	SU	7.9	7.8	7.9	7.8	8.1	8.3	SM 4500 H+ B		1.00	4.00
Polychlorinated biphenyls (PCBs)	ug/L				ND	ND	ND	EPA 608			
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100
Selenium	ug/L				DNQ Est. Conc. 0.77	1.1	2.16	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				DNQ Est. Conc. 0.15	0.27	0.53	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	DNQ Est. Conc. 0.070	EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L				DNQ Est. Conc. 0.28	0.32	0.64	EPA 624	2	0.19	0.50
Total cyanide	ug/L	DNQ Est. Conc. 1.9	DNQ Est. Conc. 1.2	DNQ Est. Conc. 3.5	ND	ND	DNQ Est. Conc. 3.5	SM 4500 CN E	5	1.0	5.0
Total suspended solids	mg/L	324	270	357	270	334	374	SM 2540D		2.5	50.0 - 100
Total trihalomethanes	ug/L	7.4	5.9	8.3	3.1	6.6	8.3	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
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	84.5	181	195	80.3	195	561	EPA 200.8	1	0.60 - 0.66	1.00 - 20.0

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

Saugus WRP Effluent Monitoring

Saugus Water Reclamation Plant
2016 EFF-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		
1,2,3-Trichloropropane	ug/L	ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND						DNQ Est. Conc. 11		
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND						DNQ Est. Conc. 4.9		
1,2,3,4,7,8-HexaCDD	pg/L	ND						ND		
1,2,3,4,7,8-HexaCDF	pg/L	ND						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND		
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		
1,2,4-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	0.82						0.90		
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		
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. 6.7						DNQ Est. Conc. 0.97		
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						DNQ Est. Conc. 0.19		
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		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	0.852	1.14	1.01	1.10	0.990	1.01	0.915	1.02	0.841
Anthracene	ug/L	ND						ND		
Antimony	ug/L	0.53			0.71			0.70		
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	1.40			1.42			1.93		
Barium	ug/L	38.4			34.4			30.7		
Benzene	ug/L	ND						ND		

Saugus Water Reclamation Plant
2016 EFF-001 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
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND	ND	DNQ Est. Conc. 11			EPA 1613B		0.46 - 0.70	53 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 4.9			EPA 1613B		0.76 - 1.0	53 - 54
1,2,3,4,7,8-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.65 - 0.85	53 - 54
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.49 - 0.68	53 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	ND			EPA 1613B		1.1 - 1.2	53 - 54
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.65 - 0.88	53 - 54
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.48 - 0.59	53 - 54
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		1.0 - 2.1	53 - 54
1,2,3,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.74 - 2.3	53 - 54
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.53 - 0.70	53 - 54
1,2,3,7,8,9-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.35 - 0.45	53 - 54
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
1,4-Dioxane	ug/L				0.82	0.86	0.90			SW-846 8270MOD		0.09	0.40
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
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.37 - 0.46	53 - 54
2,3,4,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.90 - 2.6	53 - 54
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		0.58 - 0.63	11
2,3,7,8-TetraCDF	pg/L				DNQ Est. Conc. 0.97	ND	DNQ Est. Conc. 6.7			EPA 1613B		0.39 - 0.75	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	DNQ Est. Conc. 0.19			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 - 0.003	0.01
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
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-BHC	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.906	(1)	0.815	0.815	0.964	1.14	5.6	2.0	SM 4500 NH3 G		0.020	0.100
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.18	10.0
Antimony	ug/L	0.75			0.53	0.67	0.75			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	1.69			1.40	1.61	1.93			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L	35.4			30.7	34.7	38.4			EPA 200.8		0.05 - 0.08	0.50
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50

Saugus Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	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		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	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
Boron	mg/L	0.59	0.56	0.56	0.54	0.55	0.55	0.57	0.51	0.56
Bromodichloromethane	ug/L	22.2	23.2	23.0	13.4	19.0	19.6	22.4	19.7	19.0
Bromoform	ug/L	2.1	2.2	2.4	ND	3.2	2.2	3.0	2.8	1.9
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	DNQ Est. Conc. 0.060			ND			DNQ Est. Conc. 0.048		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	144	139	136	148	146	152	150	143	138
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	12.1	12.8	13.3	2.2	12.1	11.0	14.4	11.0	9.6
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	25.8	21.3	20.6	49.8	13.1	15.3	20.6	15.0	16.4
Chlorpyrifos	ug/L	ND						ND		
Chromium III	ug/L	ND						ND		
Chromium VI	ug/L	DNQ Est. Conc. 0.03						DNQ Est. Conc. 0.03		
Chromium, total	ug/L	DNQ Est. Conc. 0.42						DNQ Est. Conc. 0.40		
Chrysene	ug/L	ND			ND			ND		
Copper	ug/L	6.59	6.20	4.58	6.04	6.36	5.30	5.17	5.19	6.41
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		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						ND		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	8.19	8.19	8.12	8.01	7.87	7.54	7.29	6.99	7.04
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	0.259			0.305			0.256		
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.003						ND		
Gross alpha radioactivity	pCi/L	2.90			2.68			1.71		
Gross beta radioactivity	pCi/L	6.50			7.09			8.01		
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		
Iron	ug/L	35.8			29.2			DNQ Est. Conc. 17.6		
Isophorone	ug/L	ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.16
Mercury	ug/L	DNQ Est. Conc. 0.00046	DNQ Est. Conc. 0.00038	0.00059	ND	0.00072	DNQ Est. Conc. 0.00043	0.00057	0.00058	0.00054
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND		

Saugus Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.7	5.0
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610 & EPA 625	5	0.005 - 0.19	0.020 - 5.0
Benzo(a)pyrene	ug/L	ND			ND	ND	ND			EPA 610	10	0.007	0.020
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			EPA 625	5	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			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.002 - 0.003	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	ND	45	20	SM 5210B		0.6	3.0
Boron	mg/L	0.56	0.50	0.47	0.47	0.54	0.59		1.5	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L	17.1	18.6	22.5	13.4	20.0	23.2			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	1.6	1.5	1.7	ND	2.1	3.2			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. 0.053			ND	ND	DNQ Est. Conc. 0.060			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	0.01 - 0.03	0.05
Chloride	mg/L	139	143	141	136	143	152	230 (2)		EPA 300.0		0.050 - 0.290	4.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	8.2	10.5	9.9	2.2	11	14.4			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	15.6	16.7	21.6	13.1	21.0	49.8			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				DNQ Est. Conc. 0.03	ND	DNQ Est. Conc. 0.03			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				DNQ Est. Conc. 0.40	ND	DNQ Est. Conc. 0.42			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L	ND			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	5.43	6.39	5.20	4.58	5.74	6.59	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 - 0.004	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	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	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	7.49	7.07	8.05	6.99	7.65	8.19			SM 4500 O G		0.10	1.00
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 - 0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	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	0.258			0.256	0.270	0.305			SM 4500 F C		0.003	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	ND			ND	1.82	2.90			EPA 900.0		0.972 - 3.11	0.972 - 3.11
Gross beta radioactivity	pCi/L	7.63			6.50	7.31	8.01			EPA 900.0		0.895 - 1.63	0.895 - 1.63
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			EPA 610	10	0.004	0.020
Iron	ug/L	DNQ Est. Conc. 15.7			DNQ Est. Conc. 15.7	16.3	35.8			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. 0.17	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.16	ND	DNQ Est. Conc. 0.20	12	7	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.00080	0.00067	0.00053	ND	0.00042	0.00080	0.11	0.051	EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.21 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L	DNQ Est. Conc. 0.31			ND	ND	DNQ Est. Conc. 0.31			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.12	0.50

Saugus Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
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	1.20	1.26	1.17	1.27	1.29	1.46	1.36	1.31	1.23
Nitrate + Nitrite as nitrogen	mg/L	4.86	4.63	4.55	5.00	5.09	5.93	4.91	4.36	4.67
Nitrate as nitrogen	mg/L	4.70	4.60	4.53	4.98	5.07	5.91	4.87	4.32	4.63
Nitrite as nitrogen	mg/L	0.160	0.032	ND	ND	ND	ND	0.036	0.037	0.038
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	DNQ Est. Conc. 6.7						DNQ Est. Conc. 71		
OctaCDF	pg/L	DNQ Est. Conc. 2.0						DNQ Est. Conc. 7.3		
Oil and grease	mg/L	ND			ND			ND		
Organic nitrogen	mg/L	1.21	0.668	0.790	1.15	1.04	0.910	0.805	0.602	1.14
Orthophosphate-P	mg/L	0.607			0.584			0.163		
PCB-105	pg/L							DNQ Est. Conc. 3.8		
PCB-114	pg/L							ND		
PCB-118	pg/L							DNQ Est. Conc. 8.5		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 7.2		
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		
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. 4.7		
PCB-52	pg/L							DNQ Est. Conc. 21 (3)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 17 (3)		
PCB-66	pg/L							DNQ Est. Conc. 6.4		
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							DNQ Est. Conc. 12 (3)		
PCB-99	pg/L							DNQ Est. Conc. 4.0		
PCB-110/115	pg/L							DNQ Est. Conc. 13 (3)		
PCB-128/166	pg/L							ND		
PCB-135/151	pg/L							ND		
PCB-147/149	pg/L							DNQ Est. Conc. 4.6 (3)		
PCB-153/168	pg/L							DNQ Est. Conc. 4.2		
PCB-156/157	pg/L							DNQ Est. Conc. 2.2		
PCB-18/30	pg/L							DNQ Est. Conc. 14		
PCB-180/193	pg/L							DNQ Est. Conc. 2.2		
PCB-20/28	pg/L							DNQ Est. Conc. 21 (3)		
PCB-44/47/65	pg/L							DNQ Est. Conc. 98 (3)		
PCB-49/69	pg/L							DNQ Est. Conc. 7.2 (3)		
PCBs as aroclors	ug/L							ND		
PCBs as congeners	pg/L							ND		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.14			0.14			0.4		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	DNQ Est. Conc. 0.21						DNQ Est. Conc. 0.18		
pH	SU	7.4	7.4	7.3	7.4	7.3	7.3	7.2	7.2	7.2
Pyrene	ug/L	ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.76			DNQ Est. Conc. 0.56			DNQ Est. Conc. 0.33		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND		
Strontium-90	pCi/L	0.726			ND			0.000		
Sulfate	mg/L	149	148	143	133	133	132	129	116	115
Surfactant (CTAS)	mg/L	ND			ND			ND		
Surfactant (MBAS)	mg/L	0.11			ND			ND		
Temperature	Degrees F	71.9	73.3	73.6	76.8	77.0	80.8	82.3	83.0	83.0

Saugus Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.18	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	1.24	1.47	1.36	1.17	1.30	1.47	117	89	EPA 200.8	1	0.12	1.00
Nitrate + Nitrite as nitrogen	mg/L	4.77	4.40	4.92	4.36	4.84	5.93		7.1	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	4.73	4.36	4.90	4.32	4.80	5.91		7.1	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.044	0.040	ND	ND	0.032	0.160		0.9	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
OctaCDD	pg/L				DNQ Est. Conc. 6.7	ND	DNQ Est. Conc. 71			EPA 1613B		0.79 - 0.94	110
OctaCDF	pg/L				DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 7.3			EPA 1613B		0.67 - 0.69	110
Oil and grease	mg/L	ND			ND	ND	ND	15	10	EPA 1664A		0.8 - 1.2	4.3 - 4.4
Organic nitrogen	mg/L	1.25	(1)	1.32	0.602	0.990	1.32			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L	0.506			0.163	0.465	0.607			EPA 365.1		0.001	0.030
PCB-105	pg/L				DNQ Est. Conc. 3.8	ND	DNQ Est. Conc. 3.8			EPA 1668		1.3	21
PCB-114	pg/L				ND	ND	ND			EPA 1668		1.3	21
PCB-118	pg/L				DNQ Est. Conc. 8.5	ND	DNQ Est. Conc. 8.5			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		1.3	21
PCB-129/138/163	pg/L				DNQ Est. Conc. 7.2	ND	DNQ Est. Conc. 7.2			EPA 1668		1.3	640
PCB-158	pg/L				ND	ND	ND			EPA 1668		1.1	210
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.77	21
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.96	21
PCB-170	pg/L				ND	ND	ND			EPA 1668		0.94	210
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.89	210
PCB-183	pg/L				ND	ND	ND			EPA 1668		0.63	210
PCB-187	pg/L				ND	ND	ND			EPA 1668		1.4	210
PCB-189	pg/L				ND	ND	ND			EPA 1668		1.5	21
PCB-194	pg/L				ND	ND	ND			EPA 1668		1.4	210
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.80	210
PCB-206	pg/L				ND	ND	ND			EPA 1668		3.3	210
PCB-37	pg/L				DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7			EPA 1668		2.6	210
PCB-52	pg/L				DNQ Est. Conc. 21 (3)	ND	DNQ Est. Conc. 21 (3)			EPA 1668		1.1	210
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 17 (3)	ND	DNQ Est. Conc. 17 (3)			EPA 1668		1.6	860
PCB-66	pg/L				DNQ Est. Conc. 6.4	ND	DNQ Est. Conc. 6.4			EPA 1668		1.7	210
PCB-77	pg/L				ND	ND	ND			EPA 1668		1.6	21
PCB-81	pg/L				ND	ND	ND			EPA 1668		1.5	21
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 8.9	ND	DNQ Est. Conc. 8.9			EPA 1668		1.4	1300
PCB-90/101/113	pg/L				DNQ Est. Conc. 12 (3)	ND	DNQ Est. Conc. 12 (3)			EPA 1668		1.5	640
PCB-99	pg/L				DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.0			EPA 1668		1.4	210
PCB-110/115	pg/L				DNQ Est. Conc. 13 (3)	ND	DNQ Est. Conc. 13 (3)			EPA 1668		1.3	430
PCB-128/166	pg/L				ND	ND	ND			EPA 1668		1.3	430
PCB-135/151	pg/L				ND	ND	ND			EPA 1668		1.4	430
PCB-147/149	pg/L				DNQ Est. Conc. 4.6 (3)	ND	DNQ Est. Conc. 4.6 (3)			EPA 1668		1.3	430
PCB-153/168	pg/L				DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 4.2			EPA 1668		1.1	430
PCB-156/157	pg/L				DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 2.2			EPA 1668		1.0	43
PCB-18/30	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		1.7	430
PCB-180/193	pg/L				DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 2.2			EPA 1668		0.74	430
PCB-20/28	pg/L				DNQ Est. Conc. 21 (3)	ND	DNQ Est. Conc. 21 (3)			EPA 1668		2.7	430
PCB-44/47/65	pg/L				DNQ Est. Conc. 98 (3)	ND	DNQ Est. Conc. 98 (3)			EPA 1668		1.0	640
PCB-49/69	pg/L				DNQ Est. Conc. 7.2 (3)	ND	DNQ Est. Conc. 7.2 (3)			EPA 1668		0.89	430
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	0.63			0.14	0.3	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				DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.21			EPA 625	1	0.14	1.0
pH	SU	7.2	7.3	7.2	7.2	7.3	7.4			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. 0.30			DNQ Est. Conc. 0.30	ND	DNQ Est. Conc. 0.76			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	ND			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L	0.122			0.000	0.212	0.726	8		EPA 905.0		0.491 - 0.682	0.491 - 0.682
Sulfate	mg/L	116	113	108	108	128	149		300	EPA 300.0		0.110 - 0.160	1.00 - 2.50
Surfactant (CTAS)	mg/L	ND			ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND			ND	0.028	0.11		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	81.0	77.2	73.3	71.9	77.8	83.0	86 (4)		EPA 170.1 (oF)			

Saugus Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	ND						ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 3.90	DNQ Est. Conc. 2.12	DNQ Est. Conc. 2.17	DNQ Est. Conc. 2.92	DNQ Est. Conc. 2.46	ND	DNQ Est. Conc. 1.88	DNQ Est. Conc. 1.93	ND
Total dissolved solids	mg/L	695	675	659	650	610	651	662	623	553
Total hardness (CaCO3)	mg/L	229	232	221	257	204	195	181	169	168
Total Kjeldahl Nitrogen (TKN)	mg/L	2.06	1.81	1.80	2.25	2.03	1.92	1.72	1.62	1.98
Total nitrogen	mg/L	6.92	6.44	6.35	7.25	7.12	7.85	6.63	5.98	6.65
Total phosphorus	mg/L	0.656			0.626			0.194		
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
Total trihalomethanes	ug/L	62.2	59.5	59.3	65.4	47.4	48.1	60.4	48.5	46.9
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	ND			ND			ND		
Turbidity (flow proportioned avg daily value)	NTU	0.70	0.61	0.63	0.72	0.65	0.70	0.79	0.57	0.66
Uranium	pCi/L	0.371			0.471			0.399		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	69.7	61.2	65.4	72.4	76.8	66.0	77.0	69.6	69.1

Saugus Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
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	No./100mL	ND	ND	ND	ND	ND	ND	240	23 (5)	SM 9222B		1	1
Total cyanide	ug/L	ND	ND	DNQ Est. Conc. 1.26	ND	ND	DNQ Est. Conc. 3.90	8.9	4.1	SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	608	583	550	550	627	695		1000	SM 2540C		2.7	25.0
Total hardness (CaCO3)	mg/L	172	165	155	155	196	257			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.16	(1)	2.14	1.62	1.95	2.25			EPA 351.2		0.135	0.200 - 0.500
Total nitrogen	mg/L	6.93	(1)	7.06	5.98	6.83	7.85			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.525			0.194	0.500	0.656			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	42.5	47.3	55.7	42.5	53.6	65.4		80	EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	ug/L				ND	ND	ND			EPA 1613B			
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
Tritium	pCi/L	ND			ND	ND	ND			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.58	0.82	0.88	0.57	0.69	0.88	2		SM 2130B		0.12	0.12
Uranium	pCi/L	0.084			0.084	0.33	0.471			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	73.3	77.2	80.5	61.2	71.5	80.5	218	189	EPA 200.8	1	0.60 - 0.66	1.00

(1) An effluent sample was collected on November 7 for analysis of these parameters but was invalidated due to the use of an expired reagent. A make-up sample was collected on December 14.
(2) The chloride limit is equal to the sum of the potable 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.
(3) Compound found in the blank and sample.
(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
2016 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		
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	0.89						0.89		
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	1.60						1.77		
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		

Valencia Water Reclamation Plant
2016 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 - 0.20	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	0.12 - 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 - 3.5	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.18 - 0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.59 - 0.69	10
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.11 - 0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11 - 0.36	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7 - 2.0	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20 - 0.22	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12 - 0.17	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.12 - 0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.66 - 1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21 - 0.28	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17 - 0.33	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3 - 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
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.38	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14 - 0.22	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-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.16 - 0.18	100
Antimony	ug/L				0.89	0.89	0.89	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				1.60	1.69	1.77	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	1.6 - 1.7	50.0
Benzo(a)anthracene	ug/L				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 - 0.19	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13 - 0.14	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.13 - 0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22 - 0.23	100
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 - 0.50	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16 - 0.25	20.0

Valencia Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 14.2						DNQ Est. Conc. 10.0		
BOD	mg/L	327	301	311	297	360	252	252	272	276
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.32						DNQ Est. Conc. 0.49		
Bromoform	ug/L	1.5						1.0		
Butyl benzyl phthalate	ug/L	ND						DNQ Est. Conc. 3.1		
Cadmium	ug/L	0.40						0.22		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	128	117	119	128	127	130	132	128	126
Chlorobenzene	ug/L	ND						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	1.2						3.0		
Chromium III	ug/L	3.28						3.52		
Chromium VI	ug/L	DNQ Est. Conc. 0.04						0.09		
Chromium, total (24-hr composite)	ug/L	1.66						1.57		
Chromium, total	ug/L	3.28						3.6		
Chrysene	ug/L	ND						ND		
Copper	ug/L	108						94.3		
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		
Dibromochloromethane	ug/L	0.60						0.62		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						DNQ Est. Conc. 4.3		
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	0.94						0.66		
Mercury	ug/L	ND						0.04		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	DNQ Est. Conc. 0.26						2.5		
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	6.01						3.86		
Nitrobenzene	ug/L	ND						ND		
PCB-105	pg/L							65		
PCB-114	pg/L							ND		
PCB-118	pg/L							170		
PCB-123	pg/L							DNQ Est. Conc. 9.4		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 170		
PCB-158	pg/L							DNQ Est. Conc. 17		

Valencia Water Reclamation Plant
2016 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. 10.0	ND	DNQ Est. Conc. 14.2	EPA 625	5	0.17 - 0.25	20.0
BOD	mg/L	312	294	292	252	296	360	SM 5210B		0.6	120
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.32	ND	DNQ Est. Conc. 0.49	EPA 624	2	0.17	0.50
Bromoform	ug/L				1.0	1.3	1.5	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 3.1	EPA 625	10	0.10 - 0.16	100
Cadmium	ug/L				0.22	0.31	0.40	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
Chloride	mg/L	129	131	123	117	127	132	EPA 300.0		0.050 - 0.290	4.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L				1.2	2.1	3.0	EPA 624	2	0.18	0.50
Chromium III	ug/L				3.28	3.40	3.52	EPA 200.8			0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.04	0.05	0.09	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total (24-hr composite)	ug/L				1.57	1.62	1.66	EPA 200.8	0.5	0.11	0.50
Chromium, total	ug/L				3.28	3.44	3.6	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.13 - 0.17	100
Copper	ug/L				94.3	101	108	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	0.10 - 0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12 - 0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.14 - 0.15	100
Dibromochloromethane	ug/L				0.60	0.61	0.62	EPA 624	2	0.14	0.50
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 4.3	EPA 625	2	0.21 - 0.27	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19 - 0.26	20.0
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	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.10 - 0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18 - 0.30	100
gamma-BHC (Lindane)	ug/L				ND	ND	ND	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	0.11 - 0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14 - 0.33	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.52 - 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	0.13 - 0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.25	10.0
Lead	ug/L				0.66	0.80	0.94	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L				ND	0.02	0.04	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.21 - 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. 0.26	1.3	2.5	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	0.12 - 0.19	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	0.14 - 0.32	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.23	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.18	10.0
Nickel	ug/L				3.86	4.94	6.01	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
PCB-105	pg/L				65	65	65	EPA 1668		4.1	21
PCB-114	pg/L				ND	ND	ND	EPA 1668		4.3	21
PCB-118	pg/L				170	170	170	EPA 1668		4.1	21
PCB-123	pg/L				DNQ Est. Conc. 9.4	ND	DNQ Est. Conc. 9.4	EPA 1668		4.2	21
PCB-126	pg/L				ND	ND	ND	EPA 1668		4.1	21
PCB-129/138/163	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		3.0	620
PCB-158	pg/L				DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668		2.4	210

Valencia Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-167	pg/L							ND		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 42		
PCB-177	pg/L							DNQ Est. Conc. 18		
PCB-183	pg/L							DNQ Est. Conc. 23 (1)		
PCB-187	pg/L							DNQ Est. Conc. 45		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 17		
PCB-201	pg/L							ND		
PCB-206	pg/L							DNQ Est. Conc. 11		
PCB-37	pg/L							DNQ Est. Conc. 27		
PCB-52	pg/L							DNQ Est. Conc. 200 (1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 180 (1)		
PCB-66	pg/L							DNQ Est. Conc. 69		
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. 140		
PCB-90/101/113	pg/L							DNQ Est. Conc. 180 (1)		
PCB-99	pg/L							DNQ Est. Conc. 66		
PCB-110/115	pg/L							DNQ Est. Conc. 210 (1)		
PCB-128/166	pg/L							DNQ Est. Conc. 23		
PCB-135/151	pg/L							DNQ Est. Conc. 35		
PCB-147/149	pg/L							DNQ Est. Conc. 100 (1)		
PCB-153/168	pg/L							DNQ Est. Conc. 120		
PCB-156/157	pg/L							DNQ Est. Conc. 27		
PCB-18/30	pg/L							DNQ Est. Conc. 58		
PCB-180/193	pg/L							DNQ Est. Conc. 100		
PCB-20/28	pg/L							DNQ Est. Conc. 110 (1)		
PCB-44/47/65	pg/L							DNQ Est. Conc. 390 (1)		
PCB-49/69	pg/L							DNQ Est. Conc. 52 (1)		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	28.3						33.3		
pH	SU	7.8	7.9	7.7	7.9	7.9	7.5	7.8	7.7	7.6
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.33						1.07		
Silver	ug/L	1.05						0.26		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	0.98						1.4		
Total cyanide	ug/L	DNQ Est. Conc. 1.87						DNQ Est. Conc. 1.12		
Total suspended solids	mg/L	397	350	360	351	393	314	359	336	311
Total trihalomethanes	ug/L	3.3						4.6		
Total PCB as Aroclors	ug/L	ND						ND		
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	90.7						85.1		

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

Valencia Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-167	pg/L				ND	ND	ND	EPA 1668		4.6	21
PCB-169	pg/L				ND	ND	ND	EPA 1668		5.4	21
PCB-170	pg/L				DNQ Est. Conc. 42	ND	DNQ Est. Conc. 42	EPA 1668		2.3	210
PCB-177	pg/L				DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		2.2	210
PCB-183	pg/L				DNQ Est. Conc. 23 (1)	ND	DNQ Est. Conc. 23 (1)	EPA 1668		1.6	210
PCB-187	pg/L				DNQ Est. Conc. 45	ND	DNQ Est. Conc. 45	EPA 1668		2.4	210
PCB-189	pg/L				ND	ND	ND	EPA 1668		3.4	21
PCB-194	pg/L				DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668		3.0	210
PCB-201	pg/L				ND	ND	ND	EPA 1668		1.5	210
PCB-206	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		5.5	210
PCB-37	pg/L				DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27	EPA 1668		8.2	210
PCB-52	pg/L				DNQ Est. Conc. 200 (1)	ND	DNQ Est. Conc. 200 (1)	EPA 1668		2.1	210
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 180 (1)	ND	DNQ Est. Conc. 180 (1)	EPA 1668		3.7	830
PCB-66	pg/L				DNQ Est. Conc. 69	ND	DNQ Est. Conc. 69	EPA 1668		3.9	210
PCB-77	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		4.4	21
PCB-81	pg/L				ND	ND	ND	EPA 1668		4.2	21
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		4.4	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 180 (1)	ND	DNQ Est. Conc. 180 (1)	EPA 1668		4.5	620
PCB-99	pg/L				DNQ Est. Conc. 66	ND	DNQ Est. Conc. 66	EPA 1668		4.4	210
PCB-110/115	pg/L				DNQ Est. Conc. 210 (1)	ND	DNQ Est. Conc. 210 (1)	EPA 1668		3.9	410
PCB-128/166	pg/L				DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23	EPA 1668		3.0	410
PCB-135/151	pg/L				DNQ Est. Conc. 35	ND	DNQ Est. Conc. 35	EPA 1668		3.2	410
PCB-147/149	pg/L				DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668		3.1	410
PCB-153/168	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		2.5	410
PCB-156/157	pg/L				DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27	EPA 1668		6.1	41
PCB-18/30	pg/L				DNQ Est. Conc. 58	ND	DNQ Est. Conc. 58	EPA 1668		2.9	410
PCB-180/193	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		1.9	410
PCB-20/28	pg/L				DNQ Est. Conc. 110 (1)	ND	DNQ Est. Conc. 110 (1)	EPA 1668		8.2	410
PCB-44/47/65	pg/L				DNQ Est. Conc. 390 (1)	ND	DNQ Est. Conc. 390 (1)	EPA 1668		1.9	620
PCB-49/69	pg/L				DNQ Est. Conc. 52 (1)	ND	DNQ Est. Conc. 52 (1)	EPA 1668		1.7	410
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38 - 0.64	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.11 - 0.19	50.0
Phenol	ug/L				28.3	30.8	33.3	EPA 625	1	0.10 - 0.14	10.0
pH	SU	7.8	7.6	7.7	7.5	7.7	7.9	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19 - 0.27	100
Selenium	ug/L				1.07	1.20	1.33	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				0.26	0.66	1.05	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
Toluene	ug/L				0.98	1.2	1.4	EPA 624	2	0.19	0.50
Total cyanide	ug/L				DNQ Est. Conc. 1.12	ND	DNQ Est. Conc. 1.87	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	369	402	327	311	356	402	SM 2540D		2.5	100
Total trihalomethanes	ug/L				3.3	4.0	4.6	EPA 624			0.50
Total PCB as Aroclors	ug/L				ND	ND	ND	EPA 608			
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	0.20 - 0.26	0.50
Zinc	ug/L				85.1	87.9	90.7	EPA 200.8	1	0.60 - 0.66	1.00

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

Valencia WRP Effluent Monitoring

Valencia Water Reclamation Plant
2016 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. 1.7			DNQ Est. Conc. 1.8			DNQ Est. Conc. 1.3			DNQ Est. Conc. 1.6
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 1.3			DNQ Est. Conc. 1.1			ND			DNQ Est. Conc. 3.2
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 0.64			DNQ Est. Conc. 0.55			ND			ND
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.89			DNQ Est. Conc. 0.84			DNQ Est. Conc. 0.92			DNQ Est. Conc. 1.5
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND			DNQ Est. Conc. 0.95			ND			ND
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.1			DNQ Est. Conc. 0.69			ND			ND
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.90			DNQ Est. Conc. 0.64			ND			DNQ Est. Conc. 0.35
1,2,3,7,8-PentaCDD	pg/L	ND			ND			ND			ND
1,2,3,7,8-PentaCDF	pg/L	ND			DNQ Est. Conc. 0.81			ND			ND
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 1.1			DNQ Est. Conc. 0.80			ND			DNQ Est. Conc. 0.29
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 0.92			DNQ Est. Conc. 0.78			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	0.84						0.73			
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. 0.77			DNQ Est. Conc. 0.56			DNQ Est. Conc. 0.49			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	ND			ND			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. 0.20						DNQ Est. Conc. 0.12			
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	1.07	0.910	0.863	0.688	1.06	1.00	0.713	0.837	0.904	0.888
Anthracene	ug/L	ND						ND			
Antimony	ug/L	DNQ Est. Conc. 0.48						0.62			
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			

Valencia Water Reclamation Plant
2016 EFF-001 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	0.50
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 - 0.20	1.0
1,2,3-Trichloropropane	ug/L		ND	ND	ND	ND			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			DNQ Est. Conc. 1.3	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.25 - 0.35	50 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 3.2			EPA 1613B		0.31 - 0.74	50 - 54
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.64			EPA 1613B		0.19 - 0.47	50 - 54
1,2,3,4,7,8-HexaCDF	pg/L			DNQ Est. Conc. 0.84	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.26 - 0.33	50 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.95			EPA 1613B		0.37 - 0.87	50 - 54
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.20 - 0.47	50 - 54
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.90			EPA 1613B		0.23 - 0.33	50 - 54
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.49 - 0.66	50 - 54
1,2,3,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.81			EPA 1613B		0.30 - 0.42	50 - 54
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.16 - 0.38	50 - 54
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.92			EPA 1613B		0.20 - 0.25	50 - 54
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
1,4-Dioxane	ug/L			0.73	0.79	0.84			SW-846 8270MOD 1,4-Dioxane		0.09 - 0.13	0.40
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	0.12 - 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 - 3.5	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.77			EPA 1613B		0.20 - 0.26	50 - 54
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.29 - 0.45	50 - 54
2,3,7,8-TCDD	pg/L			ND	ND	ND	0.028	0.014	EPA 1613B		0.33 - 0.45	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	ND			EPA 1613B		0.23 - 0.36	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L			DNQ Est. Conc. 0.12	ND	DNQ Est. Conc. 0.20			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3 - 1.4	10.0
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
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	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	0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	(1)	0.795	0.688	0.884	1.07	5.2	1.75	SM 4500 NH3 G		0.020	0.100
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	ug/L			DNQ Est. Conc. 0.48	0.31	0.62			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

Valencia Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
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. 0.65	1.01	DNQ Est. Conc. 0.75	DNQ Est. Conc. 0.67	DNQ Est. Conc. 0.86	1.10	DNQ Est. Conc. 0.97	1.15	DNQ Est. Conc. 0.78	DNQ Est. Conc. 0.96
Barium	mg/L	0.0153			0.00798			0.00787			0.00754
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	0.55	0.53	0.54	0.54	0.56	0.54	0.55	0.53	0.56	0.59
Bromodichloromethane	ug/L	14.9	10.6	20.8	20.3	13.4	23.1	21.6	12.6	20.4	22.2
Bromoform	ug/L	3.5	1.1	2.8	3.0	1.9	3.2	4.0	1.9	3.5	4.2
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	137	132	129	142	141	144	147	147	140	141
Chlorobenzene	ug/L	ND						ND			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	10.8	10.7	15.9	14.3	12.0	17.0	16.9	10.2	14.5	14.8
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	ND						ND			
Chromium VI	ug/L	DNQ Est. Conc. 0.02						DNQ Est. Conc. 0.02			
Chromium, total (24-hr composite)	mg/L	DNQ Est. Conc. 0.00016			DNQ Est. Conc. 0.00019			DNQ Est. Conc. 0.00048			DNQ Est. Conc. 0.00045
Chromium, total	ug/L	DNQ Est. Conc. 0.17						DNQ Est. Conc. 0.29			
Chrysene	ug/L	ND						ND			
Copper	ug/L	1.69	2.45	1.74	1.31	1.41	2.07	1.25	1.34	1.23	1.18
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	11.3	5.7	13.3	12.8	7.5	13.4	15.6	6.2	12.5	14.9
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND						ND			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	8.4	8.3	8.2	8.0	7.9	7.5	7.6	7.1	7.3	7.6
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	0.374			0.409			0.347			0.356

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 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	DNQ Est. Conc. 0.76	DNQ Est. Conc. 0.84	DNQ Est. Conc. 0.65	0.27	1.15			EPA 200.8	2	0.14 - 0.15	1.00
Barium	mg/L		0.0108	0.00754	0.0099	0.0153			EPA 200.8		0.00005 - 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	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 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	0.13 - 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 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			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	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3.0
Boron	mg/L	0.52	0.49	0.49	0.54	0.59		1.5	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L	19.0	24.9	10.6	18.7	24.9			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	2.5	3.7	1.1	2.9	4.2			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L			ND	ND	ND			EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.03	0.05
Chloride	mg/L	136	135	129	139	147	230		EPA 300.0		0.050 - 0.290	8.00 - 10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	14.1	17.6	10.2	14.1	17.6			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			DNQ Est. Conc. 0.02	ND	DNQ Est. Conc. 0.02			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total (24-hr composite)	mg/L			DNQ Est. Conc. 0.00016	ND	DNQ Est. Conc. 0.00048			EPA 200.8	0.0005	0.00011	0.00050
Chromium, total	ug/L			DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.29			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	1.30	1.47	1.18	1.54	2.45	39	12	EPA 200.8	0.5	0.11 - 0.16	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12 - 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	13.1	15.3	5.7	12	15.6			EPA 624	2	0.08 - 0.14	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 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	7.8	8.2	7.1	7.8	8.4			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			EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	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	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L			0.347	0.372	0.409			SM 4500 F C		0.003	0.100

Valencia Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
gamma-BHC (Lindane)	ug/L	ND						ND			
Gross alpha radioactivity	pCi/L	1.57			ND			2.33			ND
Gross beta radioactivity	pCi/L	11.1			10.4			12.4			19.3
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	140	77.7	90.8	103	96.6	88.8	85.2	117	97.3	75.7
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.03			DNQ Est. Conc. 0.03			DNQ Est. Conc. 0.08			DNQ Est. Conc. 0.05
Mercury	ug/L	0.00059	DNQ Est. Conc. 0.00043	0.00058	ND	ND	ND	DNQ Est. Conc. 0.00033	0.00092	DNQ Est. Conc. 0.00035	DNQ Est. Conc. 0.00046
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						DNQ Est. Conc. 0.24			
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	2.72			2.96			2.69			2.86
Nitrate + nitrite as nitrogen	mg/L	1.35	1.90	2.39	1.75	1.94	2.22	2.11	2.05	2.16	2.80
Nitrate as nitrogen	mg/L	1.33	1.88	2.37	1.74	1.91	2.19	2.08	2.02	2.14	2.77
Nitrite as nitrogen	mg/L	ND	ND	ND	ND	ND	0.030	ND	0.035	ND	ND
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	DNQ Est. Conc. 7.5			DNQ Est. Conc. 14			DNQ Est. Conc. 6.3			DNQ Est. Conc. 8.3
OctaCDF	pg/L	DNQ Est. Conc. 3.4			DNQ Est. Conc. 3.2			DNQ Est. Conc. 1.8			DNQ Est. Conc. 8.5
Oil and grease	mg/L	ND			ND			ND			ND
Organic nitrogen	mg/L	0.885	1.48	1.38	1.34	1.16	1.64	1.59	0.930	1.60	1.51
Orthophosphate-P	mg/L	0.310			0.571			0.519			1.42
PCB-105	pg/L							ND			
PCB-114	pg/L							ND			
PCB-118	pg/L							DNQ Est. Conc. 6.8			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-129/138/163	pg/L							DNQ Est. Conc. 4.5 (2)			
PCB-158	pg/L							ND			
PCB-167	pg/L							ND			
PCB-169	pg/L							DNQ Est. Conc. 3.0			
PCB-170	pg/L							ND			
PCB-177	pg/L							ND			
PCB-183	pg/L							DNQ Est. Conc. 1.7 (3)			
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. 14 (3)			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 9.5 (3)			
PCB-66	pg/L							DNQ Est. Conc. 4.0 (2)			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 5.6			
PCB-90/101/113	pg/L							DNQ Est. Conc. 7.7 (3)			
PCB-99	pg/L							ND			
PCB-110/115	pg/L							DNQ Est. Conc. 8.3 (3)			
PCB-128/166	pg/L							ND			

Valencia Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
gamma-BHC (Lindane)	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Gross alpha radioactivity	pCi/L			ND	0.975	2.33			EPA 900.0		1.58 - 3.42	1.58 - 3.42
Gross beta radioactivity	pCi/L			10.4	13.3	19.3			EPA 900.0		1.19 - 3.20	1.19 - 3.20
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	0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.11 - 0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.52 - 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	101	77.8	75.7	95.9	140		300	EPA 200.8		3.0	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L			DNQ Est. Conc. 0.03	ND	DNQ Est. Conc. 0.08			EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.00054	0.00065	ND	0.00027	0.00092			EPA 1631E	0.5	0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.21 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	DNQ Est. Conc. 0.24			EPA 624	2	0.15 - 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
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND			EPA 625	5	0.14 - 0.32	5.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	ug/L			2.69	2.81	2.96			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	2.18	2.45	1.35	2.11	2.80		6.8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	2.15	2.43	1.33	2.08	2.77		6.8	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.030	ND	ND	0.0079	0.035		0.9	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L			DNQ Est. Conc. 6.3	ND	DNQ Est. Conc. 14			EPA 1613B		0.25 - 0.68	100 - 110
OctaCDF	pg/L			DNQ Est. Conc. 1.8	ND	DNQ Est. Conc. 8.5			EPA 1613B		0.32 - 0.53	100 - 110
Oil and grease	mg/L			ND	ND	ND	15	10	EPA 1664A		0.8 - 1.2	4.4 - 5.2
Organic nitrogen	mg/L	(1)	1.26	0.885	1.34	1.64			EPA 351.2		0.135	0.200
Orthophosphate-P	mg/L			0.310	0.705	1.42			EPA 365.1		0.001	0.030
PCB-105	pg/L			ND	ND	ND			EPA 1668		1.3	23
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.3	23
PCB-118	pg/L			DNQ Est. Conc. 6.8	ND	DNQ Est. Conc. 6.8			EPA 1668		1.2	23
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.3	23
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.3	23
PCB-129/138/163	pg/L			DNQ Est. Conc. 4.5 (2)	ND	DNQ Est. Conc. 4.5 (2)			EPA 1668		0.97	680
PCB-158	pg/L			ND	ND	ND			EPA 1668		0.78	230
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.85	23
PCB-169	pg/L			DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.0			EPA 1668		1.0	23
PCB-170	pg/L			ND	ND	ND			EPA 1668		0.82	230
PCB-177	pg/L			ND	ND	ND			EPA 1668		0.78	230
PCB-183	pg/L			DNQ Est. Conc. 1.7 (3)	ND	DNQ Est. Conc. 1.7 (3)			EPA 1668		0.55	230
PCB-187	pg/L			ND	ND	ND			EPA 1668		1.0	230
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.2	23
PCB-194	pg/L			ND	ND	ND			EPA 1668		1.1	230
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.83	230
PCB-206	pg/L			ND	ND	ND			EPA 1668		3.0	230
PCB-37	pg/L			ND	ND	ND			EPA 1668		2.1	230
PCB-52	pg/L			DNQ Est. Conc. 14 (3)	ND	DNQ Est. Conc. 14 (3)			EPA 1668		1.1	230
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 9.5 (3)	ND	DNQ Est. Conc. 9.5 (3)			EPA 1668		1.5	910
PCB-66	pg/L			DNQ Est. Conc. 4.0 (2)	ND	DNQ Est. Conc. 4.0 (2)			EPA 1668		1.6	230
PCB-77	pg/L			ND	ND	ND			EPA 1668		1.6	23
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.5	23
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6			EPA 1668		1.4	1400
PCB-90/101/113	pg/L			DNQ Est. Conc. 7.7 (3)	ND	DNQ Est. Conc. 7.7 (3)			EPA 1668		1.4	680
PCB-99	pg/L			ND	ND	ND			EPA 1668		1.4	230
PCB-110/115	pg/L			DNQ Est. Conc. 8.3 (3)	ND	DNQ Est. Conc. 8.3 (3)			EPA 1668		1.3	460
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		0.98	460

Valencia Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-135/151	pg/L							ND			
PCB-147/149	pg/L							DNQ Est. Conc. 2.9 (3)			
PCB-153/168	pg/L							DNQ Est. Conc. 3.0			
PCB-156/157	pg/L							DNQ Est. Conc. 2.7			
PCB-18/30	pg/L							DNQ Est. Conc. 9.0			
PCB-180/193	pg/L							DNQ Est. Conc. 1.9			
PCB-20/28	pg/L							DNQ Est. Conc. 11 (3)			
PCB-44/47/65	pg/L							DNQ Est. Conc. 280 (3)			
PCB-49/69	pg/L							DNQ Est. Conc. 8.6 (3)			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.22						0.8			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	ND						DNQ Est. Conc. 0.27			
pH	SU	7.4	7.4	7.5	7.4	7.4	7.4	7.4	7.3	7.4	7.3
Pyrene	ug/L	ND						ND			
Selenium	ug/L	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.67	DNQ Est. Conc. 0.65	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.53	DNQ Est. Conc. 0.50	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.40	DNQ Est. Conc. 0.41
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	0.318			0.000			0.000			0.367
Sulfate	mg/L	224	229	217	220	213	198	199	190	194	194
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	0.12			ND			ND			ND
Temperature	Degrees F	73.2	75.8	76.8	78.3	79.6	81.8	84.0	84.5	84.5	82.1
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	ND						ND			
Total chlorinated hydrocarbons	mg/L	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. 2.0	DNQ Est. Conc. 2.7	DNQ Est. Conc. 4.8	DNQ Est. Conc. 3.8	DNQ Est. Conc. 4.4	DNQ Est. Conc. 4.2	DNQ Est. Conc. 2.0	DNQ Est. Conc. 3.0	DNQ Est. Conc. 3.9	DNQ Est. Conc. 3.7
Total dissolved solids	mg/L	842	804	784	790	779	737	759	762	750	746
Total hardness (CaCO3)	mg/L	302	294	296	324	289	257	267	253	256	261
Total Kjeldahl Nitrogen (TKN)	mg/L	1.96	2.39	2.24	2.03	2.22	2.64	2.30	1.77	2.50	2.40
Total nitrogen	mg/L	3.30	4.29	4.63	3.78	4.16	4.86	4.41	3.82	4.66	5.20
Total phosphorus	mg/L	0.359			0.590			0.506			1.45
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	40.5	28.1	52.8	50.4	34.8	56.7	58.1	30.9	50.9	56.1
Total PCB Aroclors	ug/L	ND						ND			
Total PCB Congeners	pg/L							ND			
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	NTU	0.55	0.59	0.46	0.52	0.65	0.62	0.57	0.55	0.56	0.55
Uranium	pCi/L	0.000			1.07			0.100			0.168
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	20.8			24.6			29.9			26.6

(1) An effluent sample was collected on November 7 for analysis of these parameters but was invalidated due to the use of an expired reagent. A make-up sample was collected on December 14.

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

Valencia Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		1.0	460
PCB-147/149	pg/L			DNQ Est. Conc. 2.9 (3)	ND	DNQ Est. Conc. 2.9 (3)			EPA 1668		0.99	460
PCB-153/168	pg/L			DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.0			EPA 1668		0.81	460
PCB-156/157	pg/L			DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7			EPA 1668		1.1	46
PCB-18/30	pg/L			DNQ Est. Conc. 9.0	ND	DNQ Est. Conc. 9.0			EPA 1668		1.8	460
PCB-180/193	pg/L			DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 1.9			EPA 1668		0.65	460
PCB-20/28	pg/L			DNQ Est. Conc. 11 (3)	ND	DNQ Est. Conc. 11 (3)			EPA 1668		2.1	460
PCB-44/47/65	pg/L			DNQ Est. Conc. 280 (3)	ND	DNQ Est. Conc. 280 (3)			EPA 1668		1.0	680
PCB-49/69	pg/L			DNQ Est. Conc. 8.6 (3)	ND	DNQ Est. Conc. 8.6 (3)			EPA 1668		0.90	460
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L			0.22	0.5	0.8			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.27			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.3	7.3	7.3	7.4	7.5			SM 4500 H+ B		1.00	4.00
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.40	ND	DNQ Est. Conc. 0.67	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	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L			0.000	0.171	0.367	8		EPA 905.0		0.491 - 0.682	0.491 - 0.682
Sulfate	mg/L	198	188	188	205	229		400	EPA 300.0		0.110 - 0.160	2.00 - 5.00
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L			ND	0.030	0.12		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	79.4	75.5	73.2	79.6	84.5	86		EPA 170.1 (oF)			
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 chlorinated hydrocarbons	mg/L			ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	23/240		SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 4.8	DNQ Est. Conc. 3.4	DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 4.8	7.0	4.7	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	741	727	727	768	842		1000	SM 2540C		2.7	25.0
Total hardness (CaCO3)	mg/L	273	277	253	279	324			EPA 200.8 & SM 2340C		0.01	0.05 - 12
Total Kjeldahl Nitrogen (TKN)	mg/L	(1)	2.06	1.77	2.23	2.64			EPA 351.2		0.135	0.200 - 0.500
Total nitrogen	mg/L	(1)	4.50	3.30	4.33	5.20			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L			0.359	0.726	1.45			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	48.7	61.5	28.1	47.5	61.5		80	EPA 624			0.50
Total PCB Aroclors	ug/L			ND	ND	ND			EPA 608			
Total PCB Congeners	pg/L			ND	ND	ND			EPA 1668			
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.04	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	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50
Tritium	pCi/L			ND	ND	ND	20000		EPA 906.0		434	434
Turbidity	NTU	0.49	0.57	0.46	0.56	0.65	2		SM 2130B		0.12	0.12
Uranium	pCi/L			0.000	0.335	1.07			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L			20.8	25.5	29.9			EPA 200.8	1	0.60 - 0.66	1.00

(1) An effluent sample was collected on November 7 for analysis of these parameters but was invalidated due to the use of an expired reagent. A make-up sample was collected on December 14.

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

Valencia WRP Biosolids Monitoring

WATER RECLAMATION
SOLID WASTE MANAGEMENT

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

February 21, 2017
File No. 32-04.01-55

Mr. Samuel Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th St., Suite 200
Los Angeles, CA 90013

Dear Mr. Unger:

Annual Biosolids Monitoring Report
Valencia Water Reclamation Plant, NPDES No. CA0054216

Enclosed is the Annual Monitoring Report for 2016 as required under 40 CFR Part 503.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Melissa Fischer	Supervising Engineer, Monitoring Section
Printed Name of Person Signing	Official Title
Signature	Date Signed

MF:TF:nm
Enclosures

cc: Pamela Creedon, CRWQCB- Central Valley Region

DMS#4053078

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: *

- ☒ 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 *
01-01-2016	12-31-2016

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., "Method for the Recovery and Assay of Total Culturable Viruses from 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)? *

4550

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

Please Note: Land Application includes the distribution and marketing (sale or give away) of Class A EQ.

Bulk or Bag/Container *	Pathogen Class *	Volume Amount (dry metric tons) *
Bulk	Class B	4550

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 or Preparer for this Sewage Sludge Unique Identifier

Please complete the following information for the Off-Site Third-Party Handler or Preparer 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 Look Up button, then no data exists and you must enter the information

Off-Site Third-Party Handler or Preparer 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 or Preparer 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)).

☒ Check when done with SSUID section. *

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.

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

January-February		March-April		May-June		July-August		September-October		November-December	
=	6.03	=	5.58	=	5.49	=	7.16	=	6.82	=	6.69

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1.7	= 1.7	= 1.7	= 1.8	= 1.9	= 1.7

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1100	= 1130	= 1090	= 1200	= 1240	= 1040

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

January-February	March-April	May-June	July-August	September-October	November-December
= 10.1	= 9.81	= 9.31	= 10.1	= 9.42	= 9.34

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1.05	= 1.15	= 1.52	= 0.94	= 1.74	= 0.87

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

January-February	March-April	May-June	July-August	September-October	November-December
= 13.2	= 13.9	= 12.6	= 15.3	= 14.5	= 13.1

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

January-February	March-April	May-June	July-August	September-October	November-December
= 25.4	= 23.2	= 20.1	= 21.3	= 23.8	= 21.8

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

January-February	March-April	May-June	July-August	September-October	November-December
= 67800	= 67500	= 64500	= 63700	= 73000	= 68100

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

January-February	March-April	May-June	July-August	September-October	November-December
= 6.16	= 6.43	= 5.56	= 6.20	= 6.13	= 6.09

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

January-February	March-April	May-June	July-August	September-October	November-December
= 766	= 792	= 784	= 870	= 839	= 819

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

January-February	March-April	May-June	July-August	September-October	November-December
= 5.80	= 5.45	= 5.28	= 6.60	= 6.74	= 6.65

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1.7	= 1.6	= 1.6	= 1.7	= 1.8	= 1.7

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

January-February	March-April	May-June	July-August	September-October	November-December
= 1055	= 1120	= 1044	= 1175	= 1180	= 1035

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

January-February	March-April	May-June	July-August	September-October	November-December
= 9.01	= 9.42	= 9.31	= 9.46	= 9.33	= 9.11

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

January-February	March-April	May-June	July-August	September-October	November-December
= 0.92	= 0.95	= 1.10	= 0.90	= 1.22	= 0.75

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

January-February	March-April	May-June	July-August	September-October	November-December
= 23.9	= 22.8	= 19.6	= 20.6	= 22.8	= 21.3

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

January-February	March-April	May-June	July-August	September-October	November-December
= 5.9	= 6.1	= 5.6	= 6.0	= 5.9	= 5.8

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

January-February	March-April	May-June	July-August	September-October	November-December
= 739	= 781	= 783	= 844	= 838	= 818

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

January-February	March-April	May-June	July-August	September-October	November-December
= 58	= 65	= 60	= 60	= 58	= 59

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 Loadings are plant values.
3. Data entered for Monthly Average Pollutant Concentrations are plant values.
4. Reported biosolids volumes are based on those leaving the facility and may differ from the Preparer's reported volumes.

Additional Attachments

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 *
mfischer@lacsd.org	Approve

2016 BIOSOLIDS MANAGEMENT PROGRAM
Valencia Biosolids Cake - Total Metals Concentrations
mg/kg Dry Weight (unless otherwise noted)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
16010600446	1/6/2016	19.7	5.56	1.7	17.5	1,010	7.92	0.78	13.2	22.4	5.7	712
16020300508	2/3/2016	23.3	6.03	1.6	-	1,100	10.1	1.05	13.0	25.4	6.2	766
16030300133	3/2/2016	22.0	5.58	1.5	-	1,130	9.81	1.15	13.1	23.2	6.4	770
16040600421	4/6/2016	20.2	5.32	1.7	18.6	1,110	9.03	0.75	13.9	22.3	5.8	792
16050500376	5/4/2016	20.0	5.49	1.5	-	1,090	9.31	1.52	12.6	20.1	5.6	782
16060800436	6/8/2016	23.8	5.06	1.7	-	997	9.31	0.67	12.4	19.1	5.6	784
16070600372	7/6/2016	19.6	6.04	1.6	17.4	1,150	8.82	0.86	13.7	19.9	5.7	818
16080300449	8/3/2016	22.5	7.16	1.8	-	1,200	10.1	0.94	15.3	21.3	6.2	870
16090700438	9/7/2016	21.6	6.65	1.9	-	1,240	9.23	1.74	14.5	23.8	5.7	836
16100500503	10/5/2016	19.0	6.82	1.7	18.2	1,120	9.42	0.70	14.5	21.8	6.1	839
16110300459	11/2/2016	19.0	6.69	1.7	-	1,040	9.34	0.87	13.1	21.8	5.6	817
16120800312	12/7/2016	16.4	6.60	1.6	-	1,030	8.88	0.62	12.3	20.7	6.1	819
MEAN		**20.6**	**6.08**	**1.7**	**17.9**	**1,100**	**9.27**	**0.97**	**13.5**	**21.8**	**5.9**	**800**
MAX			**7.16**	**1.9**	**18.6**	**1,240**	**10.1**	**1.74**	**15.3**	**25.4**	**6.4**	**870**
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	NH_3-N	Org-N	NO_3-N	NO_2-N	PO_4	Boron	K	pH	Paint Filter Test (mL/100g)
16010600446	1/6/2016	19.7	11,500	60,600	<10.1	3.6	102,000	36.8	1,740	8.8	< 1.0 [A]
16020300508	2/3/2016	23.3	11,400	52,100	< 8.59	3.37	106,000	-	-	-	-
16030300133	3/2/2016	22.0	10,900	56,600	< 9.07	3.18	104,000	-	-	-	-
16040600421	4/6/2016	20.2	10,100	60,800	< 9.92	4.76	96,300	37.0	1,690	8.8	< 1.0 [B]
16050500376	5/4/2016	20.0	11,600	57,200	< 10.0	9.94	88,800	-	-	-	-
16060800436	6/8/2016	23.8	9,290	50,800	< 8.41	1.44	84,400	-	-	-	-
16070600372	7/6/2016	19.6	9,930	51,500	12.2	4.62	111,000	39.7	1,660	8.4	< 1.0 [C]
16080300449	8/3/2016	22.5	9,800	56,100	9.55	6.12	105,000	-	-	-	-
16090700438	9/7/2016	21.6	9,180	63,800	12.9	6.04	112,000	-	-	-	-
16100500503	10/5/2016	19.0	9,560	64,100	< 10.5	3.30	119,000	41.1	1,650	8.4	< 1.0 [D]
16110300459	11/2/2016	19.0	8,900	55,500	< 10.5	15.2	143,000	-	-	-	-
16120800312	12/7/2016	16.4	10,200	61,600	< 12.2	4.64	125,000	-	-	-	-
MEAN		**20.6**	**10,200**	**57,600**	**11.6**	**5.5**	**108,000**	**38.7**	**1,685**	**8.6**	**ND**
MAX			**11,600**	**64,100**	**12.9**	**15.2**	**143,000**	**41.1**	**1,740**	**8.8**	**ND**

N/A = Data will be published when available.
\ = No limit
ND = Not Detected
Statistics use detected values only.
A = Lab ID: 16010600452
B = Lab ID: 16040600422
C = Lab ID: 16070600373
D = Lab ID: 16100500503

2016 BIOSOLIDS MANAGEMENT PROGRAM
Valencia 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
16010600421	1/6/2016	53.0	0.16	0.06	17.4	< 0.010	< 0.005	0.16	< 0.04	< 0.10
16040600423	4/6/2016	45.1	0.02	0.05	4.51	< 0.010	0.006	0.15	< 0.04	< 0.10
16070600374	7/6/2016	44.7	0.03	0.06	4.15	< 0.010	0.007	0.14	< 0.04	< 0.10
16100500501	10/5/2016	43.9	0.02	0.06	3.87	< 0.010	0.005	0.17	< 0.04	< 0.10
MEAN		**46.7**	**0.06**	**0.06**	**7.5**	**ND**	**0.006**	**0.15**	**ND**	**ND**
MAX		**53.0**	**0.16**	**0.06**	**17.4**	**ND**	**0.007**	**0.17**	**ND**	**ND**
TITLE 22 STLCs		****	**15**	**5.0**	**100**	**0.75**	**1.0**	**5**	**80**	**25**

Sample No.	Date	Pb	Hg	Mo	Ni	Se	Ag	Tl	Sn	V	Zn
16010600421	1/6/2016	0.05	< 0.0005	0.10	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.73	20.4
16040600423	4/6/2016	0.09	< 0.0005	0.10	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.72	9.41
16070600374	7/6/2016	0.09	< 0.0005	0.13	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.70	9.35
16100500501	10/5/2016	0.09	< 0.0005	0.092	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.69	8.59
MEAN		**0.08**	**ND**	**0.10**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.71**	**11.9**
MAX		**0.09**	**ND**	**0.13**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.73**	**20.4**
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.

2016 BIOSOLIDS MANAGEMENT PROGRAM

VALENCIA WATER RECLAMATION PLANT
Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)
January	97.2	43	58
February	97.3	44	59
March	97.3	48	65
April	97.3	49	66
May	97.1	43	60
June	97.3	43	60
July	97.2	49	60
August	97.2	47	61
September	98.0	48	60
October	97.1	46	58
November	97.2	46	59
December	97.3	45	61
MEAN	**97.3**	**46**	**61**
MIN	**97.1**	**43**	**58**

Quarterly Valencia Biosolids Cake
Detected Priority Pollutants
mg/kg on a Dry Weight Basis

Date	1/6/2016	4/6/2016	7/6/2016	10/5/2016
Sample Number(s)	16010600446	16040600421	16070600372	16100500502
	16010600452	16040600422	16070600373	16100500503
Constituent	**Result**	**Result**	**Result**	**Result**
Arsenic	5.56	5.32	6.04	6.82
Antimony	1.87	2.19	2.28	2.17
Beryllium	0.11	0.09	0.08	0.07
Cadmium	1.7	1.7	1.6	1.7
Chromium	17.5	18.6	17.4	18.2
Copper	1,010	1,110	1,150	1,120
Lead	7.92	9.03	8.82	9.42
Mercury	0.78	0.75	0.86	0.70
Nickel	22.4	22.3	19.9	21.8
Selenium	5.73	5.76	5.73	6.13
Silver	6.35	6.01	4.49	4.38
Zinc	712	792	818	839
Total Cyanide	2.33	4.74	4.01	1.98

VALENCIA WATER RECLAMATION PLANT
2016 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	16010600421	16040600420	16070600371	16100500501	
	16010600446	16040600421	16070600372	16100500502	
	16010600452	16040600422	16070600373	16100500503	
Sample Date	01/06/16	04/06/16	07/06/16	10/05/16	
Description	Result	Result	Result	Result	Unit of Measure
TOTAL CYANIDE	2.33	4.74	4.01	1.98	MG/KG CN
TOTAL CHROMIUM	17.5	18.6	17.4	18.2	MG/KG CR
TOTAL SOLIDS	19.7	20.2	19.6	19.0	%
ARSENIC	5.56	5.32	6.04	6.82	MG/KG AS
CADMIUM	1.7	1.7	1.6	1.7	MG/KG CD
COPPER	1,010	1,110	1,150	1,120	MG/KG CU
LEAD	7.92	9.03	8.82	9.42	MG/KG PB
MERCURY	0.78	0.75	0.86	0.70	MG/KG HG
NICKEL	22.4	22.3	19.9	21.8	MG/KG NI
SELENIUM	5.73	5.76	5.73	6.13	MG/KG SE
SILVER	6.35	6.01	4.49	4.38	MG/KG AG
ZINC	712	792	818	839	MG/KG ZN
ANTIMONY	1.87	2.19	2.28	2.17	MG/KG SB
BERYLLIUM	0.11	0.09	0.08	0.07	MG/KG BE
THALLIUM	< 0.10	< 0.10	< 0.10	< 0.10	MG/KG TL
COBALT	3.33	3.60	3.83	3.50	MG/KG CO
BARIUM	275	290	291	292	MG/KG BA
MANGANESE	111	121	152	128	MG/KG MN
MOLYBDENUM	13.2	13.9	0.1	14.5	MG/KG MO
VANADIUM	58.1	63.4	56.9	61.2	MG/KG V
PHENOLS	1.9	1.4	2.2	620	MG/KG C6H5OH
FLUORIDE	3.2	2.4	4.3	21.0	MG/KG F
TOTAL ORGANIC CARBON	358,000	364,000	346,000	1,770,000	MG/KG C
TOTAL ORGANIC HALOGEN (TOX)	< 50	< 58	50	< 320	MG/KG
ETHYL PARATHION	< 0.780	< 0.420	< 2.1	< 11	MG/KG
DEMETON	< 0.780	< 0.420	< 2.1	< 11	MG/KG
GUTHION	< 0.780	< 0.420	< 2.1	< 11	MG/KG
MALATHION	< 0.780	< 0.420	< 2.1	< 11	MG/KG
OP'-DDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
OP'-DDD	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDD	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
OP'-DDT	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDT	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ALPHA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
LINDANE (GAMMA-BHC)	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
HEPTACHLOR	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
HEPTACHLOR EPOXIDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ALDRIN	< 0.050	< 0.050	< 0.050	< 0.050	MG/KG
DIELDRIN	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDRIN	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
TOXAPHENE	< 0.350	< 0.350	< 0.350	< 0.350	MG/KG
METHOXYCLOR	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
2,4-D(ACID)	< 3.100	< 8.300	< 8.000	< 3.500	MG/KG
2,4,5-TP(SILVEX)	< 3.100	< 8.300	< 8.000	< 3.500	MG/KG
AROCLOR 1242	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1254	< 0.200	< 0.200	< 0.200	< 0.200	MG/KG
BETA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
DELTA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDOSULFAN I	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDOSULFAN II	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDOSULFAN SULFATE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDRIN ALDEHYDE	< 0.250	< 0.250	< 0.250	< 0.250	MG/KG
AROCLOR 1016	< 0.200	< 0.200	< 0.200	< 0.200	MG/KG
AROCLOR 1221	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1232	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1248	< 0.150	< 0.150	< 0.150	< 0.150	MG/KG
AROCLOR 1260	< 0.150	< 0.150	< 0.150	< 0.150	MG/KG
TECHNICAL CHLORDANE	< 0.150	< 0.150	< 0.150	< 0.150	MG/KG
MIREX	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
METHYLENE CHLORIDE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
CHLOROFORM	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
1,1,1-TRICHLOROETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
CARBON TETRACHLORIDE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
1,1-DICHLOROETHENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
TRICHLOROETHYLENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG

VALENCIA WATER RECLAMATION PLANT
2016 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	16010600421	16040600420	16070600371	16100500501	
	16010600446	16040600421	16070600372	16100500502	
	16010600452	16040600422	16070600373	16100500503	
Sample Date	01/06/16	04/06/16	07/06/16	10/05/16	
Description	Result	Result	Result	Result	Unit of Measure
TETRACHLOROETHYLENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
BROMODICHLOROMETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
DIBROMOCHLOROMETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
BROMOFORM	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
CHLOROBENZENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
VINYL CHLORIDE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
O-DICHLOROBENZENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
M-DICHLOROBENZENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
P-DICHLOROBENZENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
1,1-DICHLOROETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
1,1,2-TRICHLOROETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
1,2-DICHLOROETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
BENZENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
TOLUENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
ETHYL BENZENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
BROMOMETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
CHLOROETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
2-CHLOROETHYLVINYLETHER	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
CHLOROMETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
1,2-DICHLOROPROPANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
ACROLEIN	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
ACRYLONITRILE	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
FREON 12 (CCL2F2)	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
FREON 11 (CCL3F)	< 0.053	< 0.058	< 0.048	< 0.051	MG/KG
2-BUTANONE	7.700	11.000	0.320	14.000	MG/KG
2,4,5-TRICHLOROPHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
ACENAPHTHENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
ACENAPHTHYLENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
ANTHRACENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BENZIDINE	< 254	< 241	< 242	< 257	MG/KG
BENZO(A)ANTHRACENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BENZO(A)PYRENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BENZO(B)FLUORANTHENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BENZO(G.H.I.)PERYLENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BENZO(K)FLUORANTHENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
DIETHYLHEXYL PHTHALATE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
4-BROMOPHENYL PHENYLETHER	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
BUTYLBENZYL PHTHALATE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2-CHLORONAPHTHALENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
CHRYSENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
DIBENZO(A,H)ANTHRACENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
1,2-DICHLOROBENZENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
1,3-DICHLOROBENZENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
1,4-DICHLOROBENZENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
3,3'-DICHLOROBENZIDINE	< 101	< 96.3	< 96.6	< 103	MG/KG
DIETHYL PHTHALATE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
DIMETHYL PHTHALATE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
DI-N-BUTYL PHTHALATE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2,4-DINITROTOLUENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2,6-DINITROTOLUENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
DI-N-OCTYL PHTHALATE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
1,2-DIPHENYLHYDRAZINE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
1,2,4-TRICHLOROBENZENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2,3,7,8-TCDD	< 10	< 24	< 9.4	< 9.3	NG/KG
2,4,6-TRICHLOROPHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2,4-DICHLOROPHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2,4-DIMETHYLPHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2,4-DINITROPHENOL	< 101	< 96.3	< 96.6	< 103	MG/KG

VALENCIA WATER RECLAMATION PLANT
2016 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	16010600421	16040600420	16070600371	16100500501	
	16010600446	16040600421	16070600372	16100500502	
	16010600452	16040600422	16070600373	16100500503	
Sample Date	01/06/16	04/06/16	07/06/16	10/05/16	
Description	Result	Result	Result	Result	Unit of Measure
2-CHLOROPHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2-METHYL-4,6DINITROPHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
2-NITROPHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
4-CHLORO-3-METHYLPHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
4-NITROPHENOL	< 101	< 96.3	< 96.6	< 103	MG/KG
FLUORANTHENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
FLUORENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
HEXACHLOROBENZENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
HEXACHLOROBUTADIENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 101	< 96.3	< 96.6	< 103	MG/KG
HEXACHLOROETHANE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
ISOPHORONE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
M+P CRESOL	< 101	< 96.3	< 96.6	< 103	MG/KG
NAPHTHALENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
NITROBENZENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
N-NITROSODIMETHYLAMINE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
N-NITROSODIPHENYLAMINE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
O-CRESOL	< 101	< 96.3	< 96.6	< 103	MG/KG
PENTACHLOROPHENOL	< 101	< 96.3	< 96.6	< 103	MG/KG
PHENANTHRENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
PHENOL	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
PYRENE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG
PYRIDINE	< 50.7	< 48.1	< 48.3	< 51.5	MG/KG

Whittier Narrows WRP Influent Monitoring

Whittier Narrows Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
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		DNQ Est. Conc. 0.18						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		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	
alpha-Endosulfan	ug/L		ND						ND	
Anthracene	ug/L		ND						ND	
Antimony	ug/L		DNQ Est. Conc. 0.47						0.91	
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		1.66						1.95	
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
2016 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	0.07 - 0.20	0.50
1,1-Dichloroethylene	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 - 0.20	10.0
1,2-trans-Dichloroethylene	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.16	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 - 0.09	0.50
1,3-Dichloropropene	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.18	EPA 624	2	0.07 - 0.16	0.50
2-Chloroethylvinyl ether	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.12 - 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 - 3.5	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.18 - 0.20	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.30 - 0.50	10 - 14
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.11 - 0.15	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.11 - 0.36	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	1.7 - 2.0	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.20 - 0.22	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.12 - 0.17	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.12 - 0.22	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.66 - 1.2	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.21 - 0.28	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.17 - 0.33	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3 - 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 - 0.38	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.14 - 0.22	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	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
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.16 - 0.18	100
Antimony	ug/L				DNQ Est. Conc. 0.47	0.46	0.91	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				1.66	1.81	1.95	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	1.6 - 1.7	50.0
Benzo(a)anthracene	ug/L				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 - 0.19	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.13 - 0.14	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.13 - 0.19	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22 - 0.23	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030 - 0.040	0.25

Whittier Narrows Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
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. 8.5						DNQ Est. Conc. 4.7	
BOD	mg/L	274	244	203	248	257	240	260	238	266
Bromodichloromethane	ug/L		ND						DNQ Est. Conc. 0.36	
Bromoform	ug/L		ND						DNQ Est. Conc. 0.33	
Butyl benzyl phthalate	ug/L		ND						DNQ Est. Conc. 2.2	
Cadmium	ug/L		0.40			DNQ Est. Conc. 0.12			0.38	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		6.2						4.7	
Chromium VI	ug/L		DNQ Est. Conc. 0.04						0.17	
Chromium, total	ug/L		4.47						8.79	
Chrysene	ug/L		ND						ND	
Copper	ug/L		49.6			48.9			86.3	
Cyanide, total	ug/L		7.0						DNQ Est. Conc. 1.2	
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		ND						DNQ Est. Conc. 0.48	
Dieldrin	ug/L		ND						ND	
Diethyl phthalate	ug/L		DNQ Est. Conc. 4.3						DNQ Est. Conc. 4.6	
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	
gamma-BHC	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		1.07			0.90			2.78	
Mercury	ug/L		0.07			0.07			0.08	
Methyl bromide (bromomethane)	ug/L		ND						ND	
Methyl chloride (chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		1.1						DNQ Est. Conc. 0.36	
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		6.61						17.0	
Nitrobenzene	ug/L		ND						ND	
PCB-129/138/163	pg/L								DNQ Est. Conc. 310 (1)	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 300 (1)	
PCB-90/101/113	pg/L								DNQ Est. Conc. 280 (1)	
PCB-105	pg/L								110	
PCB-114	pg/L								ND	
PCB-118	pg/L								260 (1)	
PCB-123	pg/L								DNQ Est. Conc. 12	

Whittier Narrows Water Reclamation Plant
2016 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
beta-endosulfan	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.13 - 0.50	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.19	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.16 - 0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 8.5	EPA 625	5	0.17 - 0.25	20.0
BOD	mg/L	255	276	284	203	254	284	SM 5210B		0.6	100 - 120
Bromodichloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.36	EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.33	EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 2.2	EPA 625	10	0.10 - 0.16	100
Cadmium	ug/L		0.71		DNQ Est. Conc. 0.12	0.37	0.71	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
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.11	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chloroform	ug/L				4.7	5.5	6.2	EPA 624	2	0.09 - 0.18	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.04	0.09	0.17	EPA218.6 (Diss.)		0.01	0.05
Chromium, total	ug/L				4.47	6.63	8.79	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.13 - 0.17	100
Copper	ug/L		64.8		48.9	62.4	86.3	EPA 200.8	0.5	0.11 - 0.16	0.50 - 1.00
Cyanide, total	ug/L				DNQ Est. Conc. 1.2	3.5	7.0	SM 4500 CN E	5	1.0	5.0
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	0.10 - 0.16	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12 - 0.16	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.14 - 0.15	100
Dibromochloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.48	EPA 624	2	0.08 - 0.14	0.50
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.6	EPA 625	2	0.21 - 0.27	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.19 - 0.26	20.0
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	0.12 - 0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.10 - 0.19	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.18 - 0.30	100
gamma-BHC	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 - 0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.11 - 0.18	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.14 - 0.33	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.52 - 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	0.13 - 0.14	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.25	10.0
Lead	ug/L		1.78		0.90	1.6	2.78	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.08		0.07	0.08	0.08	EPA 245.1	0.5	0 - 0.004	0.04
Methyl bromide (bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.34	0.50
Methyl chloride (chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.06 - 0.15	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.36	0.55	1.1	EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	ND	EPA1625(Mod.)/EPA625	5	0.0012 - 0.19	0.0020 - 50.0
n-Nitrosodimethylamine (NDMA)	ug/L			0.0091	ND	0.0030	0.0091	EPA1625(Mod.)/EPA625	5	0.00050 - 0.32	0.0020 - 50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.23	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.15 - 0.18	10.0
Nickel	ug/L				6.61	11.8	17.0	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.13 - 0.22	10.0
PCB-129/138/163	pg/L				DNQ Est. Conc. 310 (1)	ND	DNQ Est. Conc. 310 (1)	EPA 1668		3.4	610
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 300 (1)	ND	DNQ Est. Conc. 300 (1)	EPA 1668		3.7	810
PCB-90/101/113	pg/L				DNQ Est. Conc. 280 (1)	ND	DNQ Est. Conc. 280 (1)	EPA 1668		5.8	610
PCB-105	pg/L				110	110	110	EPA 1668		5.7	20
PCB-114	pg/L				ND	ND	ND	EPA 1668		5.7	20
PCB-118	pg/L				260 (1)	260	260 (1)	EPA 1668		5.5	20
PCB-123	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668		5.8	20

Whittier Narrows Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-126	pg/L								ND	
PCB-156	pg/L								36	
PCB-157	pg/L								DNQ Est. Conc. 9.44	
PCB-158	pg/L								DNQ Est. Conc. 29	
PCB-167	pg/L								DNQ Est. Conc. 13	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 110	
PCB-177	pg/L								DNQ Est. Conc. 59	
PCB-183	pg/L								DNQ Est. Conc. 72 (1)	
PCB-187	pg/L								DNQ Est. Conc. 140	
PCB-189	pg/L								ND	
PCB-194	pg/L								DNQ Est. Conc. 49	
PCB-201	pg/L								DNQ Est. Conc. 11	
PCB-206	pg/L								DNQ Est. Conc. 33	
PCB-37	pg/L								DNQ Est. Conc. 48	
PCB-44	pg/L								133	
PCB-52	pg/L								440 (1)	
PCB-66	pg/L								DNQ Est. Conc. 120	
PCB-77	pg/L								DNQ Est. Conc. 19	
PCB-81	pg/L								ND	
PCB-086/087/097/108/119/125	pg/L								DNQ Est. Conc. 210	
PCB-99	pg/L								DNQ Est. Conc. 120	
PCB-110/115	pg/L								DNQ Est. Conc. 290 (1)	
PCB-128/166	pg/L								DNQ Est. Conc. 44	
PCB-135/151	pg/L								DNQ Est. Conc. 62	
PCB-147/149	pg/L								DNQ Est. Conc. 200 (1)	
PCB-153/168	pg/L								DNQ Est. Conc. 240 (1)	
PCB-18/30	pg/L								DNQ Est. Conc. 110 (1)	
PCB-180/193	pg/L								DNQ Est. Conc. 300 (1)	
PCB-20/28	pg/L								DNQ Est. Conc. 240	
PCB-49/69	pg/L								DNQ Est. Conc. 95	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		38.1						42.7	
pH	SU	7.8	7.8	7.6	7.6	7.7	7.6	7.6	7.6	7.6
Pyrene	ug/L		ND						ND	
Selenium	ug/L		1.05						1.19	
Silver	ug/L		0.35						0.42	
Technical chlordane	ug/L		ND						ND	
Tetrachloroethylene	ug/L		ND						DNQ Est. Conc. 0.23	
Thallium	ug/L		ND						ND	
Toluene	ug/L		1.5						1.4	
total suspended solids	mg/L	301	366	256	306	275	256	298	311	344
Toxaphene	ug/L		ND						ND	
Trichloroethylene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		110			101			270	

Whittier Narrows Water Reclamation Plant
2016 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-126	pg/L				ND	ND	ND	EPA 1668		5.5	20
PCB-156	pg/L				36	36	36	EPA 1668		1.76	10
PCB-157	pg/L				DNQ Est. Conc. 9.44	ND	DNQ Est. Conc. 9.44	EPA 1668		1.14	10
PCB-158	pg/L				DNQ Est. Conc. 29	ND	DNQ Est. Conc. 29	EPA 1668		2.7	200
PCB-167	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		3.6	20
PCB-169	pg/L				ND	ND	ND	EPA 1668		4.6	20
PCB-170	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		2.2	200
PCB-177	pg/L				DNQ Est. Conc. 59	ND	DNQ Est. Conc. 59	EPA 1668		2.1	200
PCB-183	pg/L				DNQ Est. Conc. 72 (1)	ND	DNQ Est. Conc. 72 (1)	EPA 1668		1.5	200
PCB-187	pg/L				DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		2.6	200
PCB-189	pg/L				ND	ND	ND	EPA 1668		2.9	20
PCB-194	pg/L				DNQ Est. Conc. 49	ND	DNQ Est. Conc. 49	EPA 1668		3.1	200
PCB-201	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		1.6	200
PCB-206	pg/L				DNQ Est. Conc. 33	ND	DNQ Est. Conc. 33	EPA 1668		5.0	200
PCB-37	pg/L				DNQ Est. Conc. 48	ND	DNQ Est. Conc. 48	EPA 1668		12	200
PCB-44	pg/L				133	133	133	EPA 1668		2.98	10
PCB-52	pg/L				440 (1)	440	440 (1)	EPA 1668		1.9	200
PCB-66	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		4.0	200
PCB-77	pg/L				DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668		5.1	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		4.9	20
PCB-086/087/097/108/119/125	pg/L				DNQ Est. Conc. 210	ND	DNQ Est. Conc. 210	EPA 1668		5.7	1200
PCB-99	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		5.7	200
PCB-110/115	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		5.1	410
PCB-128/166	pg/L				DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44	EPA 1668		3.4	410
PCB-135/151	pg/L				DNQ Est. Conc. 62	ND	DNQ Est. Conc. 62	EPA 1668		3.6	410
PCB-147/149	pg/L				DNQ Est. Conc. 200 (1)	ND	DNQ Est. Conc. 200 (1)	EPA 1668		3.4	410
PCB-153/168	pg/L				DNQ Est. Conc. 240 (1)	ND	DNQ Est. Conc. 240 (1)	EPA 1668		2.8	410
PCB-18/30	pg/L				DNQ Est. Conc. 110 (1)	ND	DNQ Est. Conc. 110 (1)	EPA 1668		4.5	410
PCB-180/193	pg/L				DNQ Est. Conc. 300 (1)	ND	DNQ Est. Conc. 300 (1)	EPA 1668		1.7	410
PCB-20/28	pg/L				DNQ Est. Conc. 240	ND	DNQ Est. Conc. 240	EPA 1668		11	410
PCB-49/69	pg/L				DNQ Est. Conc. 95	ND	DNQ Est. Conc. 95	EPA 1668		1.6	410
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.38 - 0.64	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.11 - 0.19	50.0
Phenol	ug/L				38.1	40.4	42.7	EPA 625	1	0.10 - 0.14	10.0
pH	SU	7.8	7.8	7.9	7.6	7.7	7.9	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19 - 0.27	100
Selenium	ug/L				1.05	1.12	1.19	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				0.35	0.39	0.42	EPA 200.8	0.25	0.01 - 0.02	0.20
Technical chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.03	0.05
Tetrachloroethylene	ug/L				ND	ND	DNQ Est. Conc. 0.23	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				1.4	1.5	1.5	EPA 624	2	0.06 - 0.19	0.50
total suspended solids	mg/L	328	292	276	256	301	366	SM 2540D		2.5	50.0 - 83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.5
Trichloroethylene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L		205		101	172	270	EPA 200.8	1	0.60 - 0.66	1.00 - 20.0

(1) Compound found in the blank and sample.

Whittier Narrows WRP Effluent Monitoring

Whittier Narrows Water Reclamation Plant
2016 EFF-001 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. 1.4			DNQ Est. Conc. 2.1			DNQ Est. Conc. 9.1		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 1.0			DNQ Est. Conc. 1.5			DNQ Est. Conc. 2.5		
1,2,3,4,7,8-HexaCDD	pg/L		ND			ND			DNQ Est. Conc. 0.48		
1,2,3,4,7,8-HexaCDF	pg/L		ND			DNQ Est. Conc. 0.46			ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND			DNQ Est. Conc. 0.85			ND		
1,2,3,6,7,8-HexaCDD	pg/L		ND			ND			DNQ Est. Conc. 0.71		
1,2,3,6,7,8-HexaCDF	pg/L		ND			ND			ND		
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			DNQ Est. Conc. 0.72		
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 0.59			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						0.87		
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		ND			ND			ND		
2,3,4,7,8-PentaCDF	pg/L		ND			ND			ND		
2,3,7,8-TCDD	ug/L		ND			DNQ Est. Conc. 0.0000039			ND		
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 1.1			DNQ Est. Conc. 1.8			DNQ Est. Conc. 0.51		
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		ND		ND		DNQ Est. Conc. 0.25		ND		DNQ Est. Conc. 0.16
2,4'-D	ug/L		ND		0.89		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	0.596	0.448	3.12	0.919	0.376	0.264	0.358	0.344	0.248	0.326

Whittier Narrows Water Reclamation Plant
2016 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	ND			EPA 624	1	0.07 - 0.20	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 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.12	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 - 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			EPA524.2/EPA524.2(TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 1.6		DNQ Est. Conc. 1.4	ND	DNQ Est. Conc. 9.1			EPA 1613B		0.21 - 0.39	51 - 56
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 0.83		DNQ Est. Conc. 0.83	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.31 - 0.77	51 - 56
1,2,3,4,7,8-HexaCDD	pg/L	ND		ND	ND	DNQ Est. Conc. 0.48			EPA 1613B		0.21 - 0.36	51 - 56
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.54		ND	ND	DNQ Est. Conc. 0.54			EPA 1613B		0.26 - 0.46	51 - 56
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 0.85			EPA 1613B		0.43 - 1.2	51 - 56
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.0		ND	ND	DNQ Est. Conc. 1.0			EPA 1613B		0.23 - 0.37	51 - 56
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.43		ND	ND	DNQ Est. Conc. 0.43			EPA 1613B		0.26 - 0.40	51 - 56
1,2,3,7,8-PentaCDD	pg/L	ND		ND	ND	ND			EPA 1613B		0.42 - 0.99	51 - 56
1,2,3,7,8-PentaCDF	pg/L	ND		ND	ND	ND			EPA 1613B		0.23 - 0.37	51 - 56
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 0.59		ND	ND	DNQ Est. Conc. 0.72			EPA 1613B		0.18 - 0.31	51 - 56
1,2,3,7,8,9-HexaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 0.59			EPA 1613B		0.21 - 0.28	51 - 56
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 - 0.09	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 - 0.16	0.50
1,4-Dioxane	ug/L			0.82	0.85	0.87			SW-846 8270MOD.		0.09	0.40
2-Chloroethyl vinyl ether	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	0.12 - 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 - 3.5	5.0
2-Nitrophenol	ug/L			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		0.21 - 0.30	51 - 56
2,3,4,7,8-PentaCDF	pg/L	ND		ND	ND	ND			EPA 1613B		0.26 - 0.40	51 - 56
2,3,7,8-TCDD	ug/L	ND		ND	ND	DNQ Est. Conc. 0.0000039	0.000000028(1)(2)	0.000000014(1)(2)	EPA 1613B		0.00000037 - 0.00000053	0.000010 - 0.000011
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 1.2		DNQ Est. Conc. 0.51	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.18 - 0.23	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,5-TP (Silvex)	mg/L		ND	ND	ND	ND			SW-846 8151A		0.000071 - 0.00020	0.00025 - 0.00060
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.20	ND	ND	DNQ Est. Conc. 0.25			EPA 625	10	0.12 - 0.17	10.0
2,4'-D	ug/L		ND	ND	0.15	0.89			SW-846 8151A		0.042 - 0.25	0.50 - 0.60
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			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			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	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	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	0.384	0.394	0.248	0.648	3.12	9.0(3)11.6(1)(4)/10.1(2)	3.4(3)4.4(1)(4)/3.9(2)	SM 4500 NH3 G		0.020	0.100 - 0.200

Whittier Narrows Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Anthracene	ug/L	ND	ND	ND	ND	ND	ND		ND		ND
Antimony	ug/L		0.63			0.58	0.58		0.58		
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		1.01			1.22	DNQ Est. Conc. 0.89		1.03		
Barium	ug/L		45.4			54.4	29.8		58.3		
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		ND		ND		ND		ND
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.25	0.26	0.30	0.31	0.28	0.28	0.27	0.27	0.27	0.26
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.25		3.4		4.1		4.3		4.5
Bromoform	ug/L		ND		ND		ND		DNQ Est. Conc. 0.17		ND
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L	ND	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.050	DNQ Est. Conc. 0.040	ND	DNQ Est. Conc. 0.038	ND	DNQ Est. Conc. 0.040	DNQ Est. Conc. 0.052	DNQ Est. Conc. 0.038
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	118	121	117	125	121	120	115	127	132	126
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L		2.3		9.7		12.1		12.0		11.7
Chromium III	ug/L		0.92			1.05	1.30		0.77		
Chromium VI	ug/L		0.05			0.08	0.06		0.09		
Chromium, total	ug/L		0.97			1.13	1.36		0.86		
Chromium, total (24-hr composite)	ug/L		1.03			0.93	0.80		0.88		
Chrysene	ug/L		ND						ND		
Copper	ug/L	3.24	3.42	3.93	3.55	3.99	3.47	3.80	3.91	4.49	3.16
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		ND		0.66		0.82		0.95		0.89
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L		ND						ND		
Dimethyl phthalate	ug/L		ND						ND		
Dissolved oxygen	mg/L	6.5	5.9	5.3	5.8	6.2	6.3	5.9	6.2	6.2	6.3
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
Fluoride	mg/L	0.703	0.668	0.571	0.608	0.665	0.605	0.608	0.621	0.690	0.630

Whittier Narrows Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Anthracene	ug/L	ND	ND	ND	ND	ND			EPA 610/EPA 625		0.004 - 0.18	0.020 - 10.0
Antimony	ug/L	DNQ Est. Conc. 0.49	0.71	DNQ Est. Conc. 0.49	0.51	0.71			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. 0.96	DNQ Est. Conc. 0.90	DNQ Est. Conc. 0.89	0.54	1.22			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L	57.7	63.1	29.8	51.5	63.1			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	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA525.2/610/625		0.007 - 0.15	0.020 - 10.0
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	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.098(1)(2)	0.049(1)(2)	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	0.001 - 0.003	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45(1)(2)	20(1)(2)	SM 5210B		0.6	3.0
Boron	mg/L	0.25	0.25	0.25	0.27	0.31		1.0(1)	EPA 200.8		0.006 - 0.008	0.020
Bromodichloromethane	ug/L		7.1	DNQ Est. Conc. 0.25	3.9	7.1			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L		ND	ND	ND	DNQ Est. Conc. 0.17			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L	ND	DNQ Est. Conc. 0.043	ND	ND	DNQ Est. Conc. 0.10	3.5(2)(5)	1.1(2)(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	136	126	115	124	136		180(1)(2)	EPA 300.0		0.050 - 0.290	4.00 - 10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L		12.9	2.3	10	12.9			EPA 624	2	0.09 - 0.18	0.50
Chromium III	ug/L	0.82	1.07	0.77	0.99	1.30			EPA 200.8			0.50
Chromium VI	ug/L	0.07	0.09	0.05	0.07	0.09			EPA 218.6 (Diss.)		0.01	0.05
Chromium, total	ug/L	0.89	1.16	0.86	1.1	1.36			EPA 200.8	0.5	0.11	0.50
Chromium, total (24-hr composite)	ug/L	0.80	0.96	0.80	0.90	1.03			EPA 200.8			
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	3.30	3.30	3.16	3.63	4.49	21.7(1)/16.8(2)	16.8(1)/13(2)	EPA 200.8	0.5	0.11 - 0.16	0.50
Cyanide, total	ug/L	ND	ND	ND	ND	ND			SM4500 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	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	0.098(1)(2)	0.049(1)(2)	EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L		1.7	ND	0.84	1.7			EPA 624	2	0.08 - 0.14	0.50
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 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	6.0	6.9	5.3	6.1	6.9			SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM9223 Quanti-Tray			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	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	0.624	0.646	0.571	0.637	0.703			SM 4500 F C		0.003 - 0.004	0.100

Whittier Narrows Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
gamma-BHC	ug/L		ND		ND		ND		ND		DNQ Est. Conc. 0.009
Gross alpha radioactivity	pCi/L		1.41				ND		1.32		
Gross beta radioactivity	pCi/L		3.31				4.24		3.19		
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		31.7				34.0		59.6		
Isophorone	ug/L		ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.21	0.28	0.27	0.26	0.27	0.26	0.26	DNQ Est. Conc. 0.24	0.25	DNQ Est. Conc. 0.22
Mercury	ug/L	0.0020	0.0014	0.00093	0.00083	0.0011	0.00093	0.0014	0.00081	0.0012	0.0011
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				ND		ND		
Methylene chloride	ug/L		ND		ND		ND		ND		ND
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.019	0.046	0.019	0.026	0.068	0.076	0.062	0.067	0.030	0.049
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		6.34			6.27	2.61		3.72		
Nitrate + nitrite as nitrogen	mg/L	8.27	7.24	6.64	6.21	7.41	7.18	7.10	7.47	8.09	6.83
Nitrate nitrogen	mg/L	7.83	7.12	6.10	6.01	7.38	7.15	7.07	7.43	7.97	6.76
Nitrite nitrogen	mg/L	0.44	0.115	0.541	0.201	ND	ND	ND	0.041	0.121	0.065
Nitrobenzene	ug/L		ND						ND		
OctaCDD	pg/L		DNQ Est. Conc. 5.1			DNQ Est. Conc. 8.2			DNQ Est. Conc. 87		
OctaCDF	pg/L		DNQ Est. Conc. 6.5			DNQ Est. Conc. 3.5			DNQ Est. Conc. 7.4		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	0.554	0.762	1.26	0.741	0.634	0.440	0.682	ND	ND	0.351
PCB-18/30	pg/L								DNQ Est. Conc. 6.3 (8)		
PCB-20/28	pg/L								DNQ Est. Conc. 7.5		
PCB-37	pg/L								DNQ Est. Conc. 5.6		
PCB-44/47/65	pg/L								DNQ Est. Conc. 58 (8)		
PCB-49/69	pg/L								DNQ Est. Conc. 3.6		
PCB-52	pg/L								DNQ Est. Conc. 16 (8)		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 12 (8)		
PCB-66	pg/L								DNQ Est. Conc. 3.2		
PCB-77	pg/L								DNQ Est. Conc. 5.5		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 12		
PCB-90/101/113	pg/L								DNQ Est. Conc. 18 (8)		
PCB-99	pg/L								DNQ Est. Conc. 1.7		
PCB-105	pg/L								DNQ Est. Conc. 3.1		
PCB-110/115	pg/L								DNQ Est. Conc. 12 (8)		
PCB 114	pg/L								ND		
PCB-118	pg/L								DNQ Est. Conc. 11 (8)		
PCB-123	pg/L								ND		
PCB-126	pg/L								DNQ Est. Conc. 3		
PCB-128/166	pg/L								ND		
PCB-129/138/163	pg/L								DNQ Est. Conc. 18 (8)		
PCB-135/151	pg/L								DNQ Est. Conc. 13		
PCB-147/149	pg/L								DNQ Est. Conc. 21 (8)		
PCB-153/168	pg/L								DNQ Est. Conc. 18 (8)		
PCB-156/157	pg/L								DNQ Est. Conc. 4.5 (8)		
PCB-158	pg/L								DNQ Est. Conc. 1.7		
PCB-167	pg/L								DNQ Est. Conc. 2.3		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 3.9		
PCB-177	pg/L								DNQ Est. Conc. 3.7		
PCB-180/193	pg/L								DNQ Est. Conc. 9.6 (8)		

Whittier Narrows Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
gamma-BHC	ug/L		DNQ Est. Conc. 0.004	ND	ND	DNQ Est. Conc. 0.009			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		2.14	ND	1.22	2.14		15(1)(2)	EPA 900.0		1.02 - 2.56	1.02 - 2.56
Gross beta radioactivity	pCi/L		13.5	3.19	6.06	13.5		4(1)(2)	EPA 900.0		1.13 - 1.60	1.13 - 1.60
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/EPA 625		0.0030 - 0.18	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	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(1)(2)	0.049(1)(2)	EPA 610	10	0.004	0.020
Iron	ug/L		22.9	22.9	37.1	59.6			EPA 200.8		3.0	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L	0.25	0.25	DNQ Est. Conc. 0.21	0.20	0.28	166(1)(6)/62(2)(5)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.0014	0.0015	0.00081	0.0012	0.0020	0.095(2)(7)	0.051(2)(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	0.21 - 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	ND	ND			EPA 624		0.12 - 0.21	0.50
Methylene chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA1625(Mod)/EPA625	5	0.0012 - 0.19	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.093	0.024	0.019	0.048	0.093			EPA1625(Modified)	5	0.0003 - 0.00050	0.0020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	ug/L	6.82	3.54	2.61	4.88	6.82			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	6.91	7.09	6.21	7.20	8.27		8(1)(2)	SM4500NO3 F		0.030	0.200
Nitrate nitrogen	mg/L	6.85	7.03	6.01	7.06	7.97		8(1)(2)	SM4500NO3 F		0.030	0.200
Nitrite nitrogen	mg/L	0.060	0.062	ND	0.14	0.541		1.0(1)(2)	SM4500NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L	DNQ Est. Conc. 9.3		DNQ Est. Conc. 5.1	ND	DNQ Est. Conc. 87			EPA 1613B		0.27 - 0.43	100 - 110
OctaCDF	pg/L	DNQ Est. Conc. 2.0		DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 7.4			EPA 1613B		0.29 - 0.71	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	15(1)(2)	10(1)(2)	EPA 1664A		0.8 - 1.2	4.3 - 4.6
Organic nitrogen	mg/L	0.436	0.656	ND	0.543	1.26			EPA 351.2		0.135	0.200
PCB-18/30	pg/L			DNQ Est. Conc. 6.3 (8)	ND	DNQ Est. Conc. 6.3 (8)			EPA 1668		1.4	540
PCB-20/28	pg/L			DNQ Est. Conc. 7.5	ND	DNQ Est. Conc. 7.5			EPA 1668		1.8	540
PCB-37	pg/L			DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6			EPA 1668		1.7	270
PCB-44/47/65	pg/L			DNQ Est. Conc. 58 (8)	ND	DNQ Est. Conc. 58 (8)			EPA 1668		0.68	810
PCB-49/69	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6			EPA 1668		0.6	540
PCB-52	pg/L			DNQ Est. Conc. 16 (8)	ND	DNQ Est. Conc. 16 (8)			EPA 1668		0.74	270
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 12 (8)	ND	DNQ Est. Conc. 12 (8)			EPA 1668		1.2	1100
PCB-66	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668		1.2	270
PCB-77	pg/L			DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 5.5			EPA 1668		1.2	27
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.2	27
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		0.91	1600
PCB-90/101/113	pg/L			DNQ Est. Conc. 18 (8)	ND	DNQ Est. Conc. 18 (8)			EPA 1668		0.93	810
PCB-99	pg/L			DNQ Est. Conc. 1.7	ND	DNQ Est. Conc. 1.7			EPA 1668		0.92	270
PCB-105	pg/L			DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 3.1			EPA 1668		0.86	27
PCB-110/115	pg/L			DNQ Est. Conc. 12 (8)	ND	DNQ Est. Conc. 12 (8)			EPA 1668		0.82	540
PCB 114	pg/L			ND	ND	ND			EPA 1668		0.85	27
PCB-118	pg/L			DNQ Est. Conc. 11 (8)	ND	DNQ Est. Conc. 11 (8)			EPA 1668		0.82	27
PCB-123	pg/L			ND	ND	ND			EPA 1668		0.83	27
PCB-126	pg/L			DNQ Est. Conc. 3	ND	DNQ Est. Conc. 3			EPA 1668		1	27
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		0.9	540
PCB-129/138/163	pg/L			DNQ Est. Conc. 18 (8)	ND	DNQ Est. Conc. 18 (8)			EPA 1668		0.89	810
PCB-135/151	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		0.95	540
PCB-147/149	pg/L			DNQ Est. Conc. 21 (8)	ND	DNQ Est. Conc. 21 (8)			EPA 1668		0.91	540
PCB-153/168	pg/L			DNQ Est. Conc. 18 (8)	ND	DNQ Est. Conc. 18 (8)			EPA 1668		0.75	540
PCB-156/157	pg/L			DNQ Est. Conc. 4.5 (8)	ND	DNQ Est. Conc. 4.5 (8)			EPA 1668		0.94	54
PCB-158	pg/L			DNQ Est. Conc. 1.7	ND	DNQ Est. Conc. 1.7			EPA 1668		0.72	270
PCB-167	pg/L			DNQ Est. Conc. 2.3	ND	DNQ Est. Conc. 2.3			EPA 1668		0.67	27
PCB-169	pg/L			ND	ND	ND			EPA 1668		1.1	27
PCB-170	pg/L			DNQ Est. Conc. 3.9	ND	DNQ Est. Conc. 3.9			EPA 1668		0.65	270
PCB-177	pg/L			DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 3.7			EPA 1668		0.62	270
PCB-180/193	pg/L			DNQ Est. Conc. 9.6 (8)	ND	DNQ Est. Conc. 9.6 (8)			EPA 1668		0.52	540

Whittier Narrows Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-183	pg/L								DNQ Est. Conc. 4.1 (8)		
PCB-187	pg/L								DNQ Est. Conc. 7.9		
PCB-189	pg/L								ND		
PCB-194	pg/L								ND		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCBs as Congeners Sum	ug/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.71	0.58	0.32	0.40	0.43	0.2	0.28	0.56	0.57	0.7
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.20		DNQ Est. Conc. 0.21		DNQ Est. Conc. 0.22		DNQ Est. Conc. 0.23
pH	SU	7.3	7.3	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3
Polychlorinated biphenyls (PCBs)	ug/L		ND		ND		ND		ND		ND
Pyrene	ug/L		ND						ND		
Selenium	ug/L		DNQ Est. Conc. 0.66			DNQ Est. Conc. 0.52	DNQ Est. Conc. 0.42		DNQ Est. Conc. 0.33		
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		1.41				0.000		ND		
Sulfate	mg/L	124	125	106	156	141	142	124	124	131	146
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	0.12	0.10	ND	ND	ND	ND	ND	ND
Technical chlordane	ug/L		ND						ND		
Temperature	Degrees F	73.2	74.3	75.8	77.8	78.8	81.6	84.5	85.3	84.5	82.4
Tetrachloroethylene	ug/L		ND		ND		ND		ND		DNQ Est. Conc. 0.34
Thallium	ug/L		ND			ND	ND		ND		
Toluene	ug/L		DNQ Est. Conc. 0.16		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 dissolved solids	mg/L	658	656	622	720	651	678	642	676	660	676
Total hardness	mg/L	217	220	195	229	220	223	215	218	214	219
Total nitrogen	mg/L	10.6	8.45	11.0	7.87	8.42	7.88	8.14	7.99	8.44	7.51
Total phosphorus	mg/L	0.104	0.114	0.106	0.125	0.139	0.127	0.120	0.132	0.204	0.131
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		
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		223				ND		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.40	0.47	0.46	0.43	0.35	0.35	0.41	0.37	0.38	0.39
Uranium	pCi/L		0.677				0.414		0.000		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L	54.3	49.6	50.2	54.5	54.0	56.1	53.9	62.9	63.9	58.1

Whittier Narrows Water Reclamation Plant
2016 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-183	pg/L			DNQ Est. Conc. 4.1 (8)	ND	DNQ Est. Conc. 4.1 (8)			EPA 1668		0.44	270
PCB-187	pg/L			DNQ Est. Conc. 7.9	ND	DNQ Est. Conc. 7.9			EPA 1668		1	270
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.3	27
PCB-194	pg/L			ND	ND	ND			EPA 1668		0.93	270
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.82	270
PCB-206	pg/L			ND	ND	ND			EPA 1668		2.7	270
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	0.56	ND	ND	0.4	0.71			EPA 331.0		0.0201 - 0.201	0.05 - 0.5
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.15	ND	DNQ Est. Conc. 0.24			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.2	7.2	7.2	7.3	7.3			SM 4500 H+ B		1.00	4.00
Polychlorinated biphenyls (PCBs)	ug/L		ND	ND	ND	ND			EPA 608			
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.33	ND	DNQ Est. Conc. 0.66			EPA 200.8	2	0.04 - 0.10	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3(1)(2)	0.1(1)(2)	SM 2540F		0.1	0.1
Silver	ug/L	ND	ND	ND	ND	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L		0.211	ND	0.405	1.41		8(1)(2)	EPA 905.0		0.491 - 0.683	0.491 - 0.683
Sulfate	mg/L	149	136	106	134	156		300(1)(2)	EPA 300.0		0.110 - 0.160	1.00 - 2.50
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	0.018	0.12		0.5(1)(2)	SM 5540C		0.03	0.10
Technical chlordane	ug/L		ND	ND	ND	ND			EPA508.1/EPA608		0.01 - 0.066	0.05 - 0.10
Temperature	Degrees F	79.2	74.8	73.2	79.4	85.3	86(1)(2)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		1.2	ND	0.20	1.2			EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L	ND	ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.16			EPA 624	2	0.06 - 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	23(1)(2)(9)		SM9221B/SM9222B		1 - 1.8	1 - 1.8
Total dissolved solids	mg/L	718	670	622	669	720		750(1)(2)	SM 2540C		2.7	50.0 - 71.4
Total hardness	mg/L	223	216	195	217	229			EPA200.8/SM2340C			0.05 - 10
Total nitrogen	mg/L	7.73	8.14	7.51	8.51	11.0			Tot. Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.176	0.148	0.104	0.136	0.204			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1(1)(2)		SM4500Cl C/SM4500Cl G		0.03 - 0.05	0.05 - 0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45(1)(2)	15(1)(2)	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	55.8	223		20000(1)(2)	EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.42	0.31	0.31	0.40	0.47	2(1)(2)		SM 2130B		0.12	0.12
Uranium	pCi/L		0.000	0.000	0.273	0.677		20(1)(2)	EPA 908.0		0.300 - 0.470	0.300 - 0.470
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	66.3	70.0	49.6	57.8	70.0	159(2)(5)	114(2)(5)	EPA 200.8	1	0.60 - 0.66	1.00

(1) Effluent Limitations apply to Discharge Point 001, which flows into the San Gabriel River.
(2) Effluent Limitations apply to Discharge Points 002, 003, and 004, which flow into the Rio Hondo.
(3) The Ammonia Nitrogen effluent limitations apply to Discharge Point 001, which flows into the San Gabriel River. ELS Present seasonal limitations are effective from April 1 through September 30.
(4) The Ammonia Nitrogen effluent limitations apply to Discharge Point 001, which flows into the San Gabriel River. ELS Absent seasonal limitations are effective from October 1 through March 31.
(5) Wet weather effluent limitations 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 limitations 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.