2019 ANNUAL REPORT

INDUSTRIAL WASTE PRETREATMENT PROGRAM

LOS ANGELES COUNTY SANITATION DISTRICTS

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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
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
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			ND			ND
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 14 (1)			DNQ Est. Conc. 17			DNQ Est. Conc. 19 (1)			DNQ Est. Conc. 28 (1)
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 8.8 (1)			DNQ Est. Conc. 8.9			DNQ Est. Conc. 6.2 (2)			DNQ Est. Conc. 18 (1)
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)			ND			DNQ Est. Conc. 3.0 (2)			ND (1)
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.1 (2)			DNQ Est. Conc. 2.6			ND			DNQ Est. Conc. 8.1 (1)
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND (1)			ND			ND			ND
1,2,3,6,7,8-HexaCDD	pg/L	ND (1)			ND			DNQ Est. Conc. 1.9 (2)			DNQ Est. Conc. 3.5 (1)
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.68			DNQ Est. Conc. 2.3			ND			DNQ Est. Conc. 3.4 (1)
1,2,3,7,8-PentaCDD	pg/L	ND			ND			ND			ND
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.0			ND			ND			ND
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 1.0 (2)			ND			ND			DNQ Est. Conc. 5.6 (1)
1,2,3,7,8,9-HexaCDF	pg/L	ND (1)			ND			ND			DNQ Est. Conc. 4.6 (1)
1,3-Dichlorobenzene	ug/L	ND			ND			ND			ND
1,3-Dichloropropene	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
2-Chloroethylvinyl ether	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND			ND			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. 0.47 (2)			DNQ Est. Conc. 3.3			ND			ND (1)
2,3,4,7,8-PentaCDF	pg/L	ND			ND			ND			ND
2,3,7,8-TCDD	pg/L	ND			ND			ND			ND
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 1.3			ND			ND			DNQ Est. Conc. 4.8 (2)
2,4-Dichlorophenol	ug/L	ND			ND			ND			ND
2,4-Dimethylphenol	ug/L	DNQ Est. Conc. 34.3						27.7			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 13.5			DNQ Est. Conc. 9.7			ND			ND
2,4'-DDD	ug/L	ND			ND			ND			ND
2,4'-DDE	ug/L	ND			ND			ND			ND
2,4'-DDT	ug/L	ND			ND			ND			ND
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Chloro-3-methylphenol	ug/L	ND			ND			ND			ND
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND			ND			ND			ND
4,4'-DDE	ug/L	ND			DNQ Est. Conc. 0.03			ND			ND
4,4'-DDT	ug/L	ND			ND			ND			ND
Acenaphthylene	ug/L	ND			ND			ND			ND
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
Ammonia Nitrogen	mg/L	46.1	38.3	50.2	46.1	48.6	46.3	46.0	43.3	44.1	49.9
Anthracene	ug/L	ND			ND			ND			ND
Antimony	ug/L	5.80			3.99			3.25			3.61
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
Aroclor 1248	ug/L	ND			ND			ND			ND
Aroclor 1254	ug/L	ND			ND			ND			ND
Aroclor 1260	ug/L	ND			ND			ND			ND
Arsenic	ug/L	5.09			3.92			4.40			4.96
Benzene	ug/L	32.2						19.1			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND			ND			ND			ND
Benzo(a)pyrene	ug/L	ND			ND			ND			ND
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND			ND			ND			ND
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND			ND			ND			ND
Benzo(k)fluoranthene	ug/L	ND			ND			ND			ND
Beryllium	ug/L	DNQ Est. Conc. 0.032			DNQ Est. Conc. 0.023			DNQ Est. Conc. 0.022			ND

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethylene	ug/L			ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.63	20.0
1,2,3,4,6,7,8-HeptaCDD	pg/L			DNQ Est. Conc. 14 (1)	ND	DNQ Est. Conc. 28 (1)	EPA 1613B		0.46 - 1.7	50 - 65
1,2,3,4,6,7,8-HeptaCDF	pg/L			DNQ Est. Conc. 6.2 (2)	ND	DNQ Est. Conc. 18 (1)	EPA 1613B		0.79 - 3.7	50 - 65
1,2,3,4,7,8-HexaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 3.0 (2)	EPA 1613B		0.57 - 1.8	50 - 65
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 8.1 (1)	EPA 1613B		0.58 - 1.5	50 - 65
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND (1)	ND	ND (1)	EPA 1613B		0.95 - 4.9	50 - 65
1,2,3,6,7,8-HexaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 3.5 (1)	EPA 1613B		0.52 - 1.8	50 - 65
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 3.4 (1)	EPA 1613B		0.48 - 1.5	50 - 65
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND	EPA 1613B		1.7 - 3.5	50 - 65
1,2,3,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.0	EPA 1613B		0.36 - 1.9	50 - 65
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 5.6 (1)	EPA 1613B		0.51 - 1.6	50 - 65
1,2,3,7,8,9-HexaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 4.6 (1)	EPA 1613B		0.30 - 1.1	50 - 65
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
2-Chloroethylvinyl ether	ug/L			ND	ND	ND	EPA 624	1	0.19	0.50
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.18 - 0.41	20.0 - 100
2-methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.92 - 1.3	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.10 - 0.31	20.0 - 200
2,3,4,6,7,8-HexaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 3.3	EPA 1613B		0.31 - 1.2	50 - 65
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND	EPA 1613B		0.44 - 2.3	50 - 65
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.60 - 3.0	9.9 - 13
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 4.8 (2)	EPA 1613B		0.32 - 1.7	9.9 - 13
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.60 - 0.63	20.0 - 100
2,4-Dimethylphenol	ug/L			DNQ Est. Conc. 34.3	13.8	27.7	EPA 625 & EPA 625.1	2	0.44 - 0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	1.5 - 2.8	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.37	20.0 - 100
2,4,6-Trichlorophenol	ug/L			ND	ND	DNQ Est. Conc. 13.5	EPA 625 & EPA 625.1	10	0.21 - 0.64	20.0 - 200
2,4'-DDD	ug/L			ND	ND	ND	EPA 608		0.001	0.20
2,4'-DDE	ug/L			ND	ND	ND	EPA 608		0.001	0.30
2,4'-DDT	ug/L			ND	ND	ND	EPA 608		0.002	0.20
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.54 - 0.81	20.0 - 100
4-Chloro-3-methylphenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.44 - 0.69	20.0 - 40.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	1.3 - 1.6	100
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.20
4,4'-DDE	ug/L			ND	ND	DNQ Est. Conc. 0.03	EPA 608	0.05	0.001	0.10
4,4'-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.20
Acenaphthylene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.50	20.0 - 200
Acrolein	ug/L			ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.50	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009	0.10
Ammonia Nitrogen	mg/L	47.0	53.2	38.3	46.6	53.2	SM 4500 NH3 C			4.00
Anthracene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.56	20.0 - 200
Antimony	ug/L			3.25	4.16	5.80	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02	5.0
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	8.0
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09	5.0
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02	9.0
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.8
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01	4.0
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01	1.0
Arsenic	ug/L			3.92	4.59	5.09	EPA 200.8	2	0.06	1.00
Benzene	ug/L			19.1	25.6	32.2	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.77 - 1.8	100
Benzo(a)anthracene (1,2-benzanthracene)	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.14 - 0.46	20.0 - 100
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 610	10	0.01	0.50
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L			ND	ND	ND	EPA 610	10	0 - 0.02	0.50
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.12 - 0.52	20.0 - 100
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 610	10	0 - 0.01	0.50
Beryllium	ug/L			ND	ND	DNQ Est. Conc. 0.032	EPA 200.8	0.5	0.020	0.25

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Bis(2-chloro-ethoxy)methane	ug/L	ND						ND			
Bis(2-chloro-isopropyl)ether	ug/L	ND						ND			
Bis(2-chloroethyl)ether	ug/L	ND						ND			
Bis(2-ethylhexyl)phthalate	ug/L	DNQ Est. Conc. 6.5			ND			ND			ND
BOD	mg/L	496	423	496	442	476	458	408	377	380	441
Bromoform	ug/L	DNQ Est. Conc. 0.41			ND			ND			ND
Bromomethane	ug/L	ND			ND			ND			ND
Cadmium	ug/L	1.1			1.1			2.9			1.0
Carbon tetrachloride	ug/L	ND						ND			
Chlordane-alpha	ug/L	ND						ND			ND
Chlordane-gamma	ug/L	ND						ND			ND
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	0.89			ND			DNQ Est. Conc. 0.19			DNQ Est. Conc. 0.25
Chloroform	ug/L	34.1			13.2			25.3			19.0
Chloromethane	ug/L	2.6			ND			0.62			1.2
Chromium (III)	ug/L	18.0			31.3			21.7			18.7
Chromium (VI)	ug/L	ND			ND			ND			DNQ Est. Conc. 0.04
Chrysene	ug/L	ND			ND			ND			ND
cis-Nonachlor	ug/L	ND						ND			ND
Copper	ug/L	100	95.3	92.3	101	71.5	112	119	115	109	116
Cyanide, Total	ug/L	8.59			10.0			7.63			10.1
Di-n-butyl phthalate	ug/L	ND			ND			ND			ND
Dibenzo(a,h)anthracene	ug/L	ND			ND			ND			ND
Dichlorobromomethane	ug/L	2.3			DNQ Est. Conc. 0.20			0.81			0.61
Dichloromethane (Methylene Chloride)	ug/L	2.8			0.93			1.8			1.7
Dieldrin	ug/L	ND						ND			
Diethylphthalate	ug/L	ND						ND			
Dimethylphthalate	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endosulfan-alpha	ug/L	ND						ND			
Endosulfan-beta	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	7.9						4.4			
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND			ND			ND			ND
Gross Alpha Radioactivity	pCi/L	ND			3.48			6.45			ND
Gross Beta Radioactivity	pCi/L	17.6			25.2			17.5			21.4
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND			ND			ND
Isophorone	ug/L	ND			ND			ND			ND
Lead	ug/L	4.49			4.80			4.85			5.22
Mercury	ug/L	0.15			0.34			0.13			0.16
Methyl-tert-butyl-ether	ug/L	1.0			1.4			2.2			1.0
n-Nitrosodi-n-propylamine	ug/L	ND / ND						ND / ND			
n-Nitrosodimethylamine (NDMA)	ug/L	0.21 / ND			ND (EPA 625 only)			0.22 / ND			ND (EPA 625 only)
n-Nitrosodiphenylamine	ug/L	ND / ND						ND / ND			
Nickel	ug/L	21.3			18.9			17.7			20.7
Nitrobenzene	ug/L	ND			ND			ND			ND
OctaCDD	pg/L	180 (1)			210			250 (1)			340 (1)
OctaCDF	pg/L	DNQ Est. Conc. 33 (1)			DNQ Est. Conc. 22			ND (1)			DNQ Est. Conc. 48 (1)
Oil and grease	mg/L	58.4	55.3	64.2	66.4	54.7	62.0	71.1	68.4	90.9	86.7
Organic nitrogen	mg/L	25.5			27.2			25.9			23.0
Oxychlordane	ug/L	ND						ND			ND
Pentachlorophenol	ug/L	ND			ND			ND			ND
Phenanthrene	ug/L	ND			ND			ND			ND
Phenol	ug/L	248						268			
pH	SU	7.1	7.2	7.1	7.0	7.1	7.0	7.0	6.9	6.8	7.0
Pyrene	ug/L	ND			ND			ND			ND
Radium 226 + 228	pCi/L	ND			ND						1.1
Radium 226	pCi/L	ND			ND						1.07
Radium 228	pCi/L	ND			ND						ND

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Bis(2-chloro-ethoxy)methane	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.11 - 0.28	20.0 - 100
Bis(2-chloro-isopropyl)ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.20 - 0.25	20.0 - 40.0
Bis(2-chloroethyl)ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.27	20.0
Bis(2-ethylhexyl)phthalate	ug/L			ND	ND	DNQ Est. Conc. 6.5	EPA 625 & EPA 625.1	5	0.16 - 0.55	20.0 - 40.0
BOD	mg/L	392	475	377	439	496	SM 5210B		0.6	150
Bromoform	ug/L			ND	ND	DNQ Est. Conc. 0.41	EPA 624	2	0.23	0.50
Bromomethane	ug/L			ND	ND	ND	EPA 624	2	0.48	0.50
Cadmium	ug/L			1.0	1.5	2.9	EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.19	0.50
Chlordane-alpha	ug/L			ND	ND	ND	EPA 608		0.001	0.20
Chlordane-gamma	ug/L			ND	ND	ND	EPA 608		0.002	0.20
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L			ND	0.22	0.89	EPA 624	2	0.17	0.50
Chloroform	ug/L			13.2	22.9	34.1	EPA 624	2	0.17	0.50
Chloromethane	ug/L			ND	1.1	2.6	EPA 624	2	0.42	0.50
Chromium (III)	ug/L			18.0	22.4	31.3	Metals Calculation			
Chromium (VI)	ug/L			ND	ND	DNQ Est. Conc. 0.04	EPA 218.6 (Dissolved)		0.01 - 4.8	0.05 - 20
Chrysene	ug/L			ND	ND	ND	EPA 610	10	0 - 0.01	0.50
cis-Nonachlor	ug/L			ND	ND	ND	EPA 608		0.002	0.10
Copper	ug/L	113	66.4	66.4	101	119	EPA 200.8	0.5	0.05	0.50
Cyanide, Total	ug/L			7.63	9.08	10.1	SM 4500 CN E	5	0.7	5.00
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.59	20.0 - 200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 610	10	0 - 0.01	0.50
Dichlorobromomethane	ug/L			DNQ Est. Conc. 0.20	0.93	2.3	EPA 624	2	0.20	0.50
Dichloromethane (Methylene Chloride)	ug/L			0.93	1.8	2.8	EPA 624	2	0.30	0.50
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.20
Diethylphthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.26 - 0.42	20.0 - 40.0
Dimethylphthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.28 - 0.41	20.0 - 40.0
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.009	0.20
Endosulfan-alpha	ug/L			ND	ND	ND	EPA 608	0.02	0.001	2.0
Endosulfan-beta	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.20
Ethylbenzene	ug/L			4.4	6.2	7.9	EPA 624	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.24 - 0.69	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.35 - 0.58	20.0 - 200
Gross Alpha Radioactivity	pCi/L			ND	2.48	6.45	EPA 900.0		4.11 - 12.6	3.00
Gross Beta Radioactivity	pCi/L			17.5	20.4	25.2	EPA 900.0		2.34 - 5.09	4.00
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.20
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008	0.30
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.47	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.33 - 0.96	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.53 - 2.0	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 610	10	0 - 0.01	0.50
Isophorone	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.11 - 0.28	20.0 - 40.0
Lead	ug/L			4.49	4.84	5.22	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.13	0.20	0.34	EPA 245.1	0.5	0.012 - 0.017	0.04 - 0.050
Methyl-tert-butyl-ether	ug/L			1.0	1.4	2.2	EPA 624		0.14	0.50
n-Nitrosodi-n-propylamine	ug/L			ND / ND	ND / ND	ND / ND	EPA 1625 (Modified) / EPA 625		0.0006 - 0.50	0.10 - 100
n-Nitrosodimethylamine (NDMA)	ug/L			0.21 / ND	0.22 / ND	0.22 / ND	EPA 1625 (Modified) / EPA 625		0.0005 - 0.50	0.10 - 200
n-Nitrosodiphenylamine	ug/L			ND / ND	ND / ND	ND / ND	EPA 1625 (Modified) / EPA 625		0.0013 - 0.64	0.50 - 20.0
Nickel	ug/L			17.7	19.6	21.3	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.31	20.0 - 40.0
OctaCDD	pg/L			180 (1)	245	340 (1)	EPA 1613B		0.61 - 2.7	99 - 130
OctaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 48 (1)	EPA 1613B		0.55 - 3.1	99 - 130
Oil and grease	mg/L	82.6	66.4	54.7	68.9	90.9	EPA 1664A			4.0
Organic nitrogen	mg/L			23.0	25.4	27.2	SM 4500 NH3 C			
Oxychlordane	ug/L			ND	ND	ND	EPA 608		0.001	0.40
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.62 - 0.82	20.0 - 40.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.31 - 0.59	20.0 - 100
Phenol	ug/L			248	258	268	EPA 625 & EPA 625.1	1	0.12 - 0.24	20.0
pH	SU	6.8	7.0	6.8	7	7.2	SM 4500 H+ B		1.00	1.00
Pyrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.28 - 0.60	20.0 - 200
Radium 226 + 228	pCi/L			ND	0.37	1.1	Drinking H2O Radium Sum Method			
Radium 226	pCi/L			ND	0.357	1.07	EPA 903.0 & EPA 903.1		0.220 - 0.375	1.00
Radium 228	pCi/L			ND	ND	ND	EPA 904.0		1.04 - 1.60	1.00

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Selenium	ug/L	11.2			11.5			10.8			9.77
Silver	ug/L	1.12			1.08			1.08			1.32
Strontium-90	pCi/L										ND
TCDD equivalents	pg/L	0.18			0.21			0.25			0.34
Tetrachloroethylene	ug/L	0.98			DNQ Est. Conc. 0.28			ND			DNQ Est. Conc. 0.25
Thallium	ug/L	DNQ Est. Conc. 0.017			DNQ Est. Conc. 0.022			DNQ Est. Conc. 0.023			DNQ Est. Conc. 0.027
Toluene	ug/L	50.5			30.9			28.5			18.7
Total Chlordanes	ug/L	ND						ND			ND
Total Chromium	ug/L	18.0			31.3			21.7			18.7
Total DDT	ug/L	ND			ND			ND			ND
Total Dichlorobenzene	ug/L	ND			ND			ND			ND
Total Endosulfan	ug/L	ND						ND			
Total Halomethanes	ug/L	3.2			ND			0.62			ND
Total HCH	ug/L	ND						ND			
Total Organic Carbon	mg/L	87.3	74.5	92.6	87.4	81.4	87.1	104	132	68.6	96.9
Total PAHs	ug/L	ND			ND			ND			ND
Total PCBs as Aroclors	ug/L	ND			ND			ND			ND
Total Phenolic Compounds (Chlorinated)	ug/L	ND			ND			ND			ND
Total Phenolic Compounds (non-chlorinated)	ug/L	248						296			
Total Phosphorus	mg/L	9.23			9.77			9.65			10.0
Total Suspended Solids	mg/L	558	532	559	572	557	567	552	555	522	524
Toxaphene	ug/L	ND						ND			
trans-Nonachlor	ug/L	ND						ND			ND
Tributyltin (TBT)	ng/L	ND			ND			ND			ND
Trichloroethylene	ug/L	DNQ Est. Conc. 0.26						ND			
Tritium	pCi/L										ND
Uranium	pCi/L										2.22
Vinyl Chloride	ug/L	ND						ND			
Zinc	ug/L	267			260			271			288

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Selenium	ug/L			9.77	10.8	11.5	EPA 200.8	2	0.02	1.00
Silver	ug/L			1.08	1.15	1.32	EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	ND	ND	EPA 905.0		0.997	3.00
TCDD equivalents	pg/L			0.18	0.24	0.34	EPA 1613B			
Tetrachloroethylene	ug/L			ND	0.24	0.98	EPA 624	2	0.25	0.50
Thallium	ug/L			DNQ Est. Conc. 0.017	ND	DNQ Est. Conc. 0.027	EPA 200.8	1	0.010	0.25
Toluene	ug/L			18.7	32.2	50.5	EPA 624	2	0.17	0.50
Total Chlordanes	ug/L			ND	ND	ND	EPA 608			
Total Chromium	ug/L			18.0	22.4	31.3	EPA 200.8	0.5	0.10	0.50
Total DDT	ug/L			ND	ND	ND	EPA 608			
Total Dichlorobenzene	ug/L			ND	ND	ND	EPA 624			
Total Endosulfan	ug/L			ND	ND	ND	EPA 608			
Total Halomethanes	ug/L			ND	0.96	3.2	EPA 624			
Total HCH	ug/L			ND	ND	ND	EPA 608			
Total Organic Carbon	mg/L	92.1	81.1	68.6	90.4	132	SM 5310C		0.08 - 0.15	12.5 - 25.0
Total PAHs	ug/L			ND	ND	ND	EPA 625 & EPA 625.1			
Total PCBs as Aroclors	ug/L			ND	ND	ND	EPA 608			
Total Phenolic Compounds (Chlorinated)	ug/L			ND	ND	ND	EPA 625 & EPA 625.1			
Total Phenolic Compounds (non-chlorinated)	ug/L			248	272	296	EPA 625 & EPA 625.1			
Total Phosphorus	mg/L			9.23	9.66	10.0	SM4500P-E		0.00300 - 0.00800	2.50
Total Suspended Solids	mg/L	553	608	522	555	608	SM 2540D		2.5	2.5
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.08	3.0
trans-Nonachlor	ug/L			ND	ND	ND	EPA 608		0.001	0.10
Tributyltin (TBT)	ng/L			ND	ND	ND	Tributyltin by GC/FPD		1.3 - 1.7	2.8 - 3.8
Trichloroethylene	ug/L			ND	ND	DNQ Est. Conc. 0.26	EPA 624	2	0.26	0.50
Tritium	pCi/L			ND	ND	ND	EPA 906.0		328	500
Uranium	pCi/L			2.22	2.22	2.22	EPA 908.0		1.38	1.00
Vinyl Chloride	ug/L			ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	ug/L			260	272	288	EPA 200.8	1	0.70	10.0 - 20.0

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

JWPCP Effluent Monitoring

JWPCP
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
1,1-Dichloroethylene	ug/L	ND						ND			ND	
1,1,1-Trichloroethane	ug/L	ND						ND			ND	
1,1,2-Trichloroethane	ug/L	ND						ND			ND	
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			ND	
1,2-Dichlorobenzene	ug/L	ND						ND			ND	
1,2-Dichloroethane	ug/L	ND						ND			ND	
1,2-Diphenylhydrazine	ug/L	ND						ND				
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)						ND (1)				
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 5.6 (1)						DNQ Est. Conc. 1.8 (2)				
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)						DNQ Est. Conc. 2.8				
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 3.5						ND				
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND (1)						ND				
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND				
1,2,3,6,7,8-HexaCDF	pg/L	ND						ND (1)				
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 (1)						ND (1)				
1,3-Dichlorobenzene	ug/L	ND						ND			ND	
1,3-Dichloropropene	ug/L	ND						ND				
1,4-Dichlorobenzene	ug/L	ND						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. 0.62 (2)						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. 0.60						DNQ Est. Conc. 0.89				
2,4'-DDD	ug/L	ND			ND			ND			ND	
2,4'-DDE	ug/L	ND			ND			ND			ND	
2,4'-DDT	ug/L	ND			ND			ND			ND	
3,3'-Dichlorobenzidine	ug/L	ND						ND				
4-Chloro-3-methylphenol	ug/L	ND						ND				
4-Nitrophenol	ug/L	ND						ND				
4,4'-DDD	ug/L	ND			ND			ND			ND	
4,4'-DDE	ug/L	ND			ND			ND			ND	
4,4'-DDT	ug/L	ND			ND			ND			ND	
Acenaphthylene	ug/L	ND						ND				
Acrolein	ug/L	ND						ND			ND	
Acrylonitrile	ug/L	ND						ND			ND	
Aldrin	ug/L	0.008						ND				
Ammonia Nitrogen	mg/L	43.8	42.0	44.2	45.1	43.0	44.2	44.0	43.8	42.6	44.2	44.5
Anthracene	ug/L	ND						ND				
Antimony	ug/L	2.65			2.30			2.03			2.28	
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	
Aroclor 1248	ug/L	ND			ND			ND			ND	
Aroclor 1254	ug/L	ND			ND			ND			ND	
Aroclor 1260	ug/L	ND			ND			ND			ND	
Arsenic	ug/L	1.81			1.88			2.15			1.90	
Benzene	ug/L	ND						ND			ND	
Benzidine	ug/L	ND			ND			ND			ND	
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND						ND				
Benzo(a)pyrene	ug/L	ND						ND				
Benzo(b)fluoranthene (3,4-benzofluoranthene	ug/L	ND						ND				
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND						ND				
Benzo(k)fluoranthene	ug/L	ND						ND				
Beryllium	ug/L	ND			ND			ND			ND	
Bis(2-chloro-ethoxy)methane	ug/L	ND						ND				
Bis(2-chloro-isopropyl)ether	ug/L	ND						ND				
Bis(2-chloroethyl)ether	ug/L	ND						ND				
Bis(2-ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 1.4						ND				
BOD	mg/L	6.8	7.7	7.7	4.8	5.5	5.1	4.2	3.0	4.0	4.8	3.6
Bromoform	ug/L	DNQ Est. Conc. 0.28						ND			ND	
Bromomethane	ug/L	ND						ND			ND	
Cadmium	ug/L	DNQ Est. Conc. 0.062			DNQ Est. Conc. 0.033			DNQ Est. Conc. 0.056			ND	

			Monthly Average			Limit						
Parameter	Units	December	Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal	Method	ML	MDL	RDL
1,1-Dichloroethylene	ug/L		ND	ND	ND			1.1	EPA 624 & EPA 624.1	2	0.21 - 0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND			1.8	EPA 624 & EPA 624.1	2	0.16 - 0.33	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND			0.45	EPA 624 & EPA 624.1	2	0.12 - 0.13	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND			0.4	EPA 624 & EPA 624.1	1	0.21 - 0.23	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND				EPA 624 & EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND			0.6	EPA 624 & EPA 624.1	2	0.21 - 0.22	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND			0.65	EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0 - 2.0
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)	ND	ND (1)				EPA 1613B		0.20 - 1.1	51 - 60
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 1.8 (2)	ND	DNQ Est. Conc. 5.6 (1)				EPA 1613B		0.26 - 1.6	51 - 60
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)	ND	DNQ Est. Conc. 2.8				EPA 1613B		0.30 - 1.0	51 - 60
1,2,3,4,7,8-HexaCDF	pg/L		ND	ND	DNQ Est. Conc. 3.5				EPA 1613B		0.67 - 0.77	51 - 60
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND (1)	ND	ND (1)				EPA 1613B		0.31 - 1.9	51 - 60
1,2,3,6,7,8-HexaCDD	pg/L		ND	ND	ND				EPA 1613B		0.26 - 1.1	51 - 60
1,2,3,6,7,8-HexaCDF	pg/L		ND (1)	ND	ND (1)				EPA 1613B		0.54 - 0.77	51 - 60
1,2,3,7,8-PentaCDD	pg/L		ND	ND	ND				EPA 1613B		0.34 - 2.3	51 - 60
1,2,3,7,8-PentaCDF	pg/L		ND	ND	ND				EPA 1613B		0.30 - 1.3	51 - 60
1,2,3,7,8,9-HexaCDD	pg/L		ND	ND	ND				EPA 1613B		0.26 - 0.99	51 - 60
1,2,3,7,8,9-HexaCDF	pg/L		ND (1)	ND	ND (1)				EPA 1613B		0.31 - 0.72	51 - 60
1,3-Dichlorobenzene	ug/L		ND	ND	ND				EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
1,3-Dichloropropene	ug/L		ND	ND	ND			0.65	EPA 624	2		
1,4-Dichlorobenzene	ug/L		ND	ND	ND			1.0	EPA 624 & EPA 624.1	2	0.21 - 0.25	0.50
2-Chlorophenol	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 10.0
2-methyl-4,6-dinitrophenol	ug/L		ND	ND	ND			13	EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0 - 10.0
2-Nitrophenol	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 20.0
2,3,4,6,7,8-HexaCDF	pg/L		ND	ND	ND				EPA 1613B		0.31 - 0.71	51 - 60
2,3,4,7,8-PentaCDF	pg/L		ND	ND	ND				EPA 1613B		0.37 - 1.5	51 - 60
2,3,7,8-TCDD	pg/L		ND	ND	ND				EPA 1613B		0.33 - 1.2	10 - 12
2,3,7,8-TetraCDF	pg/L		ND	ND	DNQ Est. Conc. 0.62 (2)				EPA 1613B		0.14 - 0.96	10 - 12
2,4-Dichlorophenol	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 10.0
2,4-Dimethylphenol	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 4.0
2,4-Dinitrophenol	ug/L		ND	ND	ND			17	EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0 - 10.0
2,4-Dinitrotoluene	ug/L		ND	ND	ND			1.0	EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 10.0
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.60	ND	DNQ Est. Conc. 0.89			0.6	EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 20.0
2,4'-DDD	ug/L		ND	ND	ND				EPA 608		0.001	0.01 - 0.10
2,4'-DDE	ug/L		ND	ND	ND				EPA 608		0.001	0.01 - 0.10
2,4'-DDT	ug/L		ND	ND	ND				EPA 608		0.002	0.01 - 0.10
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND		1.4		EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 10.0
4-Chloro-3-methylphenol	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0 - 2.0
4-Nitrophenol	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0 - 10.0
4,4'-DDD	ug/L		ND	ND	ND				EPA 608	0.05	0.001	0.01 - 0.10
4,4'-DDE	ug/L		ND	ND	ND				EPA 608	0.05	0.001	0.01 - 0.10
4,4'-DDT	ug/L		ND	ND	ND				EPA 608	0.01	0.003	0.01 - 0.10
Acenaphthylene	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 20.0
Acrolein	ug/L		ND	ND	ND			5.2	EPA 624 & EPA 624.1		0.64 - 0.70	2.0
Acrylonitrile	ug/L		ND	ND	ND			2.7	EPA 624 & EPA 624.1		0.50 - 0.64	2.0
Aldrin	ug/L		ND	0.004	0.008			0.0037	EPA 608	0.005	0.0009	0.005
Ammonia Nitrogen	mg/L	45.9	42.0	44.0	45.9			47	SM 4500 NH3 C			4.00
Anthracene	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 20.0
Antimony	ug/L		2.03	2.32	2.65			6.8	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L		ND	ND	ND				EPA 608	0.5	0.02	0.1 - 1.0
Aroclor 1221	ug/L		ND	ND	ND				EPA 608	0.5	0.2	0.5 - 5.0
Aroclor 1232	ug/L		ND	ND	ND				EPA 608	0.5	0.09	0.3 - 3.0
Aroclor 1242	ug/L		ND	ND	ND				EPA 608	0.5	0.02	0.1 - 1.0
Aroclor 1248	ug/L		ND	ND	ND				EPA 608	0.5	0.02	0.1 - 1.0
Aroclor 1254	ug/L		ND	ND	ND				EPA 608	0.5	0.01	0.05 - 0.5
Aroclor 1260	ug/L		ND	ND	ND				EPA 608	0.5	0.01	0.1 - 1.0
Arsenic	ug/L		1.81	1.94	2.15			2.5	EPA 200.8	2	0.06	1.00
Benzene	ug/L		ND	ND	ND			0.75	EPA 624 & EPA 624.1	2	0.09 - 0.15	0.50
Benzidine	ug/L		ND	ND	ND		0.012		EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0 - 20.0
Benzo(a)anthracene (1,2-benzanthracene)	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 10.0
Benzo(a)pyrene	ug/L		ND	ND	ND				EPA 610	10	0.007 - 0.013	0.10
Benzo(b)fluoranthene (3,4-benzofluoranthene	ug/L		ND	ND	ND				EPA 610	10	0.004 - 0.015	0.10
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 10.0
Benzo(k)fluoranthene	ug/L		ND	ND	ND				EPA 610	10	0.005 - 0.014	0.10
Beryllium	ug/L		ND	ND	ND			0.15	EPA 200.8	0.5	0.020	0.25
Bis(2-chloro-ethoxy)methane	ug/L		ND	ND	ND			1.3	EPA 625 & EPA 625.1	5	0.11 - 0.28	1.0 - 10.0
Bis(2-chloro-isopropyl)ether	ug/L		ND	ND	ND			1.6	EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 4.0
Bis(2-chloroethyl)ether	ug/L		ND	ND	ND			0.95	EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0 - 2.0
Bis(2-ethylhexyl) phthalate	ug/L		ND	ND	DNQ Est. Conc. 1.4			14	EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 4.0
BOD	mg/L	5.3	3.0	5.2	7.7		30		SM 5210B		0.6	2.4
Bromoform	ug/L		ND	ND	DNQ Est. Conc. 0.28				EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Bromomethane	ug/L		ND	ND	ND				EPA 624 & EPA 624.1	2	0.30 - 0.48	0.50
Cadmium	ug/L		ND	ND	DNQ Est. Conc. 0.062			0.1	EPA 200.8	0.25	0.010 - 0.066	0.20

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
Carbon tetrachloride	ug/L	ND						ND			ND	
Chlordane-alpha	ug/L	ND						ND			ND	
Chlordane-gamma	ug/L	ND						ND			ND	
Chlorobenzene	ug/L	ND						ND			ND	
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.34			ND			ND			ND	
Chloroform	ug/L	8.8						11.5			16.1	
Chloromethane	ug/L	ND						ND			ND	
Chromium (III)	ug/L	0.84			1.19			1.28			1.27	
Chromium (VI)	ug/L	ND			0.07			ND			ND	
Chrysene	ug/L	ND						ND				
cis-Nonachlor	ug/L	ND						ND			ND	
Copper	ug/L	2.18			2.62			3.42			1.98	
Cyanide	ug/L	DNQ Est. Conc. 4.79			DNQ Est. Conc. 3.48			DNQ Est. Conc. 4.70			DNQ Est. Conc. 3.27	
Di-n-butyl phthalate	ug/L	DNQ Est. Conc. 1.7						ND				
Dibenzo(a,h)anthracene	ug/L	ND						ND				
Dichlorobromomethane	ug/L	0.64						DNQ Est. Conc. 0.30			1.1	
Dichloromethane (Methylene Chloride)	ug/L	1.2						1.1			1.7	
Dieldrin	ug/L	0.01						ND				
Diethyl phthalate	ug/L	ND						ND				
Dimethyl phthalate	ug/L	ND						ND				
Endosulfan sulfate	ug/L	ND						ND				
Endosulfan-alpha	ug/L	ND						ND				
Endosulfan-beta	ug/L	ND						ND				
Endrin	ug/L	ND						ND				
Ethylbenzene	ug/L	ND						ND			ND	
Fluoranthene	ug/L	ND						ND				
Fluorene	ug/L	ND						ND				
Gross alpha radioactivity	pCi/L	ND			3.03			3.34			ND	
Gross beta radioactivity	pCi/L	13.4			16.7			18.4			9.68	
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. 0.14			DNQ Est. Conc. 0.12			DNQ Est. Conc. 0.10			DNQ Est. Conc. 0.11	
Mercury	ug/L	ND			ND			ND			ND	
Methyl-tert-butyl-ether	ug/L	1.1						1.9			1.1	
n-Nitrosodi-n-propylamine	ug/L	ND / ND						ND / ND				
n-Nitrosodimethylamine (NDMA)	ug/L	0.22 / ND						0.29 / ND				
n-Nitrosodiphenylamine	ug/L	ND / ND						ND / ND				
Nickel	ug/L	9.13			8.68			15.4			8.70	
Nitrate as Nitrogen	mg/L	ND			ND			ND			ND	
Nitrobenzene	ug/L	ND						ND				
OctaCDD	pg/L	ND (1)						ND (1)				
OctaCDF	pg/L	ND (1)						ND				
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND (1)	ND	ND
Organic nitrogen	mg/L	3.72			5.36			4.31			2.09	
Oxychlordane	ug/L	ND						ND			ND	
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 43				
PCB-105	pg/L							22				
PCB-110/115	pg/L							DNQ Est. Conc. 49 (1)				
PCB-114	pg/L							ND				
PCB-118	pg/L							52 (1)				
PCB-123	pg/L							ND				
PCB-126	pg/L							ND				
PCB-128/166	pg/L							DNQ Est. Conc. 6.9				
PCB-135/151	pg/L							DNQ Est. Conc. 12				
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 54 (1)				
PCB-147/149	pg/L							DNQ Est. Conc. 29 (1)				
PCB-153/168	pg/L							DNQ Est. Conc. 38 (1)				
PCB-156/157	pg/L							DNQ Est. Conc. 5.8 (1)				
PCB-158	pg/L							DNQ Est. Conc. 4.8				
PCB-167	pg/L							DNQ Est. Conc. 2.7				
PCB-169	pg/L							ND				
PCB-170	pg/L							DNQ Est. Conc. 8.5				
PCB-177	pg/L							DNQ Est. Conc. 4.5				
PCB-18/30	pg/L							DNQ Est. Conc. 56				
PCB-180/193	pg/L							DNQ Est. Conc. 20				
PCB-183	pg/L							DNQ Est. Conc. 10 (1)				
PCB-187	pg/L							DNQ Est. Conc. 14				

Parameter	Units	December	Monthly Average			Limit			Method	ML	MDL	RDL
			Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
Carbon tetrachloride	ug/L		ND	ND	ND			1.0	EPA 624 & EPA 624.1	2	0.18 - 0.19	0.50
Chlordane-alpha	ug/L		ND	ND	ND				EPA 608		0.001	0.01
Chlordane-gamma	ug/L		ND	ND	ND				EPA 608		0.002	0.01
Chlorobenzene	ug/L		ND	ND	ND			1.2	EPA 624 & EPA 624.1	2	0.10 - 0.22	0.50
Chlorodibromomethane	ug/L		ND	ND	DNQ Est. Conc. 0.34			0.6	EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Chloroform	ug/L		8.8	12	16.1			25.4	EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chloromethane	ug/L		ND	ND	ND				EPA 624 & EPA 624.1	2	0.41 - 0.42	0.50
Chromium (III)	ug/L		0.84	1.1	1.28			2.9	Metals Calculation			
Chromium (VI)	ug/L		ND	0.02	0.07			1.5	EPA 218.6 (Dissolved)		0.0048 - 0.02	0.020 - 0.05
Chrysene	ug/L		ND	ND	ND				EPA 610	10	0.005 - 0.014	0.10
cis-Nonachlor	ug/L		ND	ND	ND				EPA 608		0.002	0.01
Copper	ug/L		1.98	2.55	3.42			4.9	EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L		DNQ Est. Conc. 3.27	ND	DNQ Est. Conc. 4.79			10	SM 4500 CN E	5	0.7	5.00
Di-n-butyl phthalate	ug/L		ND	ND	DNQ Est. Conc. 1.7			4.4	EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 20.0
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND				EPA 610	10	0.004 - 0.014	0.10
Dichlorobromomethane	ug/L		DNQ Est. Conc. 0.30	0.58	1.1			1.5	EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Dichloromethane (Methylene Chloride)	ug/L		1.1	1.3	1.7			3	EPA 624 & EPA 624.1	2	0.30 - 0.46	0.50
Dieldrin	ug/L		ND	0.005	0.01			0.005	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L		ND	ND	ND			2.1	EPA 625 & EPA 625.1	2	0.26 - 0.42	1.0 - 4.0
Dimethyl phthalate	ug/L		ND	ND	ND			1.9	EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 4.0
Endosulfan sulfate	ug/L		ND	ND	ND				EPA 608	0.05	0.009	0.01
Endosulfan-alpha	ug/L		ND	ND	ND				EPA 608	0.02	0.001	0.01
Endosulfan-beta	ug/L		ND	ND	ND				EPA 608	0.01	0.001	0.01
Endrin	ug/L		ND	ND	ND			0.01	EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L		ND	ND	ND			1.9	EPA 624 & EPA 624.1	2	0.15	0.50
Fluoranthene	ug/L		ND	ND	ND			1.9	EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0 - 2.0
Fluorene	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 20.0
Gross alpha radioactivity	pCi/L		ND	1.59	3.34			10.9	EPA 900.0		3.53 - 9.60	3.00
Gross beta radioactivity	pCi/L		9.68	14.5	18.4			30.5	EPA 900.0		2.65 - 4.74	4.00
Heptachlor epoxide	ug/L		ND	ND	ND			0.0033	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND			0.005	EPA 608	0.01	0.0008	0.01
Hexachlorobenzene	ug/L		ND	ND	ND		0.035		EPA 625 & EPA 625.1	1	0.17 - 0.47	1.0 - 2.0
Hexachlorobutadiene	ug/L		ND	ND	ND			0.7	EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0 - 2.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND			7.5	EPA 625 & EPA 625.1	5	0.53 - 2.0	5.0 - 10.0
Hexachloroethane	ug/L		ND	ND	ND			0.7	EPA 625 & EPA 625.1	1	0.13 - 0.81	1.0 - 2.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND				EPA 610	10	0.004 - 0.013	0.10
Isophorone	ug/L		ND	ND	ND			0.65	EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0 - 2.0
Lead	ug/L		DNQ Est. Conc. 0.10	ND	DNQ Est. Conc. 0.14			0.4	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L		ND	ND	ND			0.04	EPA 245.1	0.5	0.012 - 0.017	0.04 - 0.050
Methyl-tert-butyl-ether	ug/L		1.1	1.4	1.9				EPA 624 & EPA 624.1		0.08 - 0.14	0.50
n-Nitrosodi-n-propylamine	ug/L		ND / ND	ND / ND	ND / ND			0.6	EPA 1625 (Modified) / EPA 625		0.0006 - 0.50	0.020 - 10.0
n-Nitrosodimethylamine (NDMA)	ug/L		0.22 / ND	0.26 / ND	0.29 / ND			0.7	EPA 1625 (Modified) / EPA 625	5	0.0005 - 0.50	0.020 - 10.0
n-Nitrosodiphenylamine	ug/L		ND / ND	ND / ND	ND / ND			0.75	EPA 1625 (Modified) / EPA 625		0.0013 - 0.64	0.10 - 2.0
Nickel	ug/L		8.68	10.5	15.4			13	EPA 200.8	1	0.07	1.00
Nitrate as Nitrogen	mg/L		ND	ND	ND				SM 4500 NO3 E		0.0100	0.100
Nitrobenzene	ug/L		ND	ND	ND			2.2	EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0 - 2.0
OctaCDD	pg/L		ND (1)	ND	ND (1)				EPA 1613B		0.28 - 1.5	100 - 120
OctaCDF	pg/L		ND (1)	ND	ND (1)				EPA 1613B		0.38 - 2.0	100 - 120
Oil and grease	mg/L	ND	ND (1)	ND	ND (1)	45	15		EPA 1664A		1.2	4.2 - 4.6
Organic nitrogen	mg/L		2.09	3.87	5.36				SM 4500 NH3 C			
Oxychlordane	ug/L		ND	ND	ND				EPA 608		0.001	0.01
PCB-101 (Co: 90/101/113)	pg/L		DNQ Est. Conc. 43	ND	DNQ Est. Conc. 43				EPA 1668		1.3	610
PCB-105	pg/L		22	22	22				EPA 1668		1.4	20
PCB-110/115	pg/L		DNQ Est. Conc. 49 (1)	ND	DNQ Est. Conc. 49 (1)				EPA 1668		1.0	410
PCB-114	pg/L		ND	ND	ND				EPA 1668		1.3	20
PCB-118	pg/L		52 (1)	52 (1)	52 (1)				EPA 1668		1.3	20
PCB-123	pg/L		ND	ND	ND				EPA 1668		1.4	20
PCB-126	pg/L		ND	ND	ND				EPA 1668		1.5	20
PCB-128/166	pg/L		DNQ Est. Conc. 6.9	ND	DNQ Est. Conc. 6.9				EPA 1668		0.92	410
PCB-135/151	pg/L		DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12				EPA 1668		1.0	410
PCB-138 (Co: 129/138/163)	pg/L		DNQ Est. Conc. 54 (1)	ND	DNQ Est. Conc. 54 (1)				EPA 1668		1.0	610
PCB-147/149	pg/L		DNQ Est. Conc. 29 (1)	ND	DNQ Est. Conc. 29 (1)				EPA 1668		0.95	410
PCB-153/168	pg/L		DNQ Est. Conc. 38 (1)	ND	DNQ Est. Conc. 38 (1)				EPA 1668		0.83	410
PCB-156/157	pg/L		DNQ Est. Conc. 5.8 (1)	ND	DNQ Est. Conc. 5.8 (1)				EPA 1668		0.83	41
PCB-158	pg/L		DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 4.8				EPA 1668		0.80	200
PCB-167	pg/L		DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7				EPA 1668		0.57	20
PCB-169	pg/L		ND	ND	ND				EPA 1668		0.69	20
PCB-170	pg/L		DNQ Est. Conc. 8.5	ND	DNQ Est. Conc. 8.5				EPA 1668		1.1	200
PCB-177	pg/L		DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 4.5				EPA 1668		0.88	200
PCB-18/30	pg/L		DNQ Est. Conc. 56	ND	DNQ Est. Conc. 56				EPA 1668		4.0	410
PCB-180/193	pg/L		DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20				EPA 1668		0.78	410
PCB-183	pg/L		DNQ Est. Conc. 10 (1)	ND	DNQ Est. Conc. 10 (1)				EPA 1668		0.89	200
PCB-187	pg/L		DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14				EPA 1668		0.56	200

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
PCB-189	pg/L							ND				
PCB-194	pg/L							DNQ Est. Conc. 4.2				
PCB-20/28	pg/L							DNQ Est. Conc. 99				
PCB-201	pg/L							DNQ Est. Conc. 0.78 (2)				
PCB-206	pg/L							ND (1)				
PCB-37	pg/L							DNQ Est. Conc. 27				
PCB-44/47/65	pg/L							DNQ Est. Conc. 66 (1)				
PCB-49/69	pg/L							DNQ Est. Conc. 30				
PCB-52	pg/L							DNQ Est. Conc. 61				
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 56 (1)				
PCB-66	pg/L							DNQ Est. Conc. 24				
PCB-77	pg/L							DNQ Est. Conc. 4.3				
PCB-81	pg/L							ND				
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 30 (2)				
PCB-99	pg/L							DNQ Est. Conc. 14				
Pentachlorophenol	ug/L	ND						ND				
Phenanthrene	ug/L	ND						ND				
Phenol	ug/L	DNQ Est. Conc. 0.63						1.2				
pH	SU	7.0	7.0	7.0	6.9	7.0	7.0	7.0	6.9	7.0	7.0	6.9
Total PCBs as Aroclors	ug/L	ND			ND			ND			ND	
Total PCBs as Congeners	pg/L							74				
Pyrene	ug/L	ND						ND				
Radium 226 + 228	pCi/L	ND			ND						ND	
Radium 226	pCi/L	ND			ND						ND	
Radium 228	pCi/L	ND			ND						ND	
Selenium	ug/L	4.10			4.24			4.94			4.90	
Settleable Solids	ml/L	ND	ND	ND	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Silver	ug/L	DNQ Est. Conc. 0.03			DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.03			DNQ Est. Conc. 0.02	
Strontium-90	pCi/L										ND	
TCDD equivalents	pg/L	ND						ND				
Temperature	Degrees F	76.9	75.3	77.2	79.7	80.7	82.5	84.7	86.2	86.4	84.6	81.7
Tetrachloroethylene	ug/L	ND						ND			ND	
Thallium	ug/L	ND			ND			ND			ND	
Toluene	ug/L	DNQ Est. Conc. 0.28						DNQ Est. Conc. 0.22			ND	
Total Chlordanes	ug/L	ND						ND			ND	
Total Chromium	ug/L	0.84			1.26			1.28			1.27	
Total DDT	ug/L	ND			ND			ND			ND	
Total Dichlorobenzene	ug/L	ND						ND				
Total Endosulfan	ug/L	ND						ND				
Total Halomethanes	ug/L	ND						ND				
Total HCH	ug/L	0.02						ND				
Total Organic Carbon	mg/L	15.2	12.1	14.5	13.8	12.7	13.4	14.4	17.8	12.1	12.8	14.1
Total PAH	ug/L	ND						ND				
Total Phenolic Compounds (chlorinated)	ug/L	ND						ND				
Total Phenolic Compounds (non-chlorinated)	ug/L	ND						1.2				
Total Phosphorus	mg/L	0.88			0.72			0.81			0.61	
Total Suspended Solids	mg/L	14	14	16	12	12	13	12	12	8.9	9.2	9.8
Toxaphene	ug/L	ND			ND			ND			ND	
trans-Nonachlor	ug/L	ND						ND			ND	
Tributyltin (TBT)	ng/L	ND						ND				
Trichloroethylene	ug/L	ND						ND			ND	
Tritium	pCi/L										ND	
Turbidity (24-Hour composite sample)	NTU	4.0	4.7	6.5	4.4	4.3	4.0	4.3	3.7	3.2	2.9	3.2
Turbidity (Grab sample)	NTU	3.4	4.5	7.4	4.1	3.9	4.8	4.2	4.0	2.8	3.4	3.0
Uranium	pCi/L										ND	
Vinyl Chloride	ug/L	ND						ND			ND	
Zinc	ug/L	16.3			11.8			11.3			14.3	

Parameter	Units	December	Monthly Average			Limit			Method	ML	MDL	RDL
			Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
PCB-189	pg/L		ND	ND	ND				EPA 1668		0.50	20
PCB-194	pg/L		DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 4.2				EPA 1668		0.34	200
PCB-20/28	pg/L		DNQ Est. Conc. 99	ND	DNQ Est. Conc. 99				EPA 1668		4.4	410
PCB-201	pg/L		DNQ Est. Conc. 0.78 (2)	ND	DNQ Est. Conc. 0.78 (2)				EPA 1668		0.37	200
PCB-206	pg/L		ND (1)	ND	ND (1)				EPA 1668		0.30	200
PCB-37	pg/L		DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27				EPA 1668		5.7	200
PCB-44/47/65	pg/L		DNQ Est. Conc. 66 (1)	ND	DNQ Est. Conc. 66 (1)				EPA 1668		3.5	610
PCB-49/69	pg/L		DNQ Est. Conc. 30	ND	DNQ Est. Conc. 30				EPA 1668		3.3	410
PCB-52	pg/L		DNQ Est. Conc. 61	ND	DNQ Est. Conc. 61				EPA 1668		3.6	200
PCB-61/70/74/76	pg/L		DNQ Est. Conc. 56 (1)	ND	DNQ Est. Conc. 56 (1)				EPA 1668		1.2	810
PCB-66	pg/L		DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24				EPA 1668		1.3	200
PCB-77	pg/L		DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.3				EPA 1668		1.8	20
PCB-81	pg/L		ND	ND	ND				EPA 1668		1.7	20
PCB-86/87/97/108/119/125	pg/L		DNQ Est. Conc. 30 (2)	ND	DNQ Est. Conc. 30 (2)				EPA 1668		1.3	1200
PCB-99	pg/L		DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14				EPA 1668		1.1	200
Pentachlorophenol	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	5	0.62 - 0.82	2.0 - 5.0
Phenanthrene	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 10.0
Phenol	ug/L		DNQ Est. Conc. 0.63	0.60	1.2				EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0 - 2.0
pH	SU	6.9	6.9	7.0	7.0				SM 4500 H+ B		1.00	1.00
Total PCBs as Aroclors	ug/L		ND	ND	ND		0.00035		EPA 608			
Total PCBs as Congeners	pg/L		74	74	74				EPA 1668			
Pyrene	ug/L		ND	ND	ND				EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 20.0
Radium 226 + 228	pCi/L		ND	ND	ND				Drinking H2O Radium Sum Method			
Radium 226	pCi/L		ND	ND	ND				EPA 903.0 & EPA 903.1		0.0932 - 0.172	1.00
Radium 228	pCi/L		ND	ND	ND				EPA 904.0		0.481 - 0.578	1.00
Selenium	ug/L		4.10	4.54	4.94			11	EPA 200.8	2	0.02	1.00
Settleable Solids	ml/L	0.1	ND	0.08	0.1	1.5	0.5		SM 2540F		0 - 0.1	0.1
Silver	ug/L		DNQ Est. Conc. 0.02	ND	DNQ Est. Conc. 0.03			0.2	EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L		ND	ND	ND				EPA 905.0		0.480	3.00
TCDD equivalents	pg/L		ND	ND	ND		0.65		EPA 1613B			
Temperature	Degrees F	77.0	75.3	81.1	86.4	100			EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		ND	ND	ND			20	EPA 624 & EPA 624.1	2	0.18 - 0.25	0.50
Thallium	ug/L		ND	ND	ND			0.6	EPA 200.8	1	0.010	0.25
Toluene	ug/L		ND	ND	DNQ Est. Conc. 0.28			0.5	EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
Total Chlordanes	ug/L		ND	ND	ND		0.0038		EPA 608			
Total Chromium	ug/L		0.84	1.2	1.28				EPA 200.8	0.5	0.10	0.50
Total DDT	ug/L		ND	ND	ND		0.0158	0.015	EPA 608			
Total Dichlorobenzene	ug/L		ND	ND	ND			0.5	EPA 624			
Total Endosulfan	ug/L		ND	ND	ND			0.015	EPA 608			
Total Halomethanes	ug/L		ND	ND	ND			1	EPA 624			
Total HCH	ug/L		ND	0.01	0.02			0.015	EPA 608			
Total Organic Carbon	mg/L	15.8	12.1	14.0	17.8				SM 5310C		0.08 - 0.15	5.00
Total PAH	ug/L		ND	ND	ND			0.95	EPA 625 & EPA 625.1			
Total Phenolic Compounds (chlorinated)	ug/L		ND	ND	ND			1.9	EPA 625 & EPA 625.1			
Total Phenolic Compounds (non-chlorinated)	ug/L		ND	0.60	1.2			3.6	EPA 625 & EPA 625.1			
Total Phosphorus	mg/L		0.61	0.76	0.88				SM4500P-E		0.00300 - 0.00800	0.250
Total Suspended Solids	mg/L	14	8.9	12	16		30		SM 2540D		2.5	5.0 - 8.5
Toxaphene	ug/L		ND	ND	ND		0.035		EPA 608	0.5	0.08	0.5 - 5.0
trans-Nonachlor	ug/L		ND	ND	ND				EPA 608		0.001	0.01
Tributyltin (TBT)	ng/L		ND	ND	ND			10	Tributyltin by GC/FPD		1.4 - 1.7	3.0 - 3.7
Trichloroethylene	ug/L		ND	ND	ND			0.85	EPA 624 & EPA 624.1	2	0.15 - 0.26	0.50
Tritium	pCi/L		ND	ND	ND				EPA 906.0		329	500
Turbidity (24-Hour composite sample)	NTU	6.5	2.9	4.3	6.5		75		SM 2130B		0.050 - 0.12	0.10 - 0.50
Turbidity (Grab sample)	NTU	4.0	2.8	4.1	7.4		75		SM 2130B		0.050 - 0.12	0.10 - 0.50
Uranium	pCi/L		ND	ND	ND				EPA 908.0		0.364	1.00
Vinyl Chloride	ug/L		ND	ND	ND			1.3	EPA 624 & EPA 624.1	2	0.25 - 0.42	0.50
Zinc	ug/L		11.3	13.4	16.3			17	EPA 200.8	1	0.70	1.00

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

JWPCP Biosolids Monitoring

Biosolids Annual Report Landing Page / LACSD - JWPCP

NPDES ID: CAL053813
Facility Status: Active
Facility Name: LACSD - JWPCP
P.O. BOX 4998 WHITTIER, CA 90607-4998

View Annual Report

EPA	**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY** **WASHINGTON, DC 20460** **BIOSOLIDS ANNUAL REPORT**	**FORM** **Approved OMB No.** **2040-0004**

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' 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.

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit confidential business information (CBI) or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk (NPDESereporting@epa.gov (mailto:NPDESereporting@epa.gov)) for further guidance.

Furthermore, CWA section 308(b) and 40 CFR 122.7 require EPA to make effluent data available to the public. EPA's CWA CBI regulation defines "effluent data" as, "A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources…" See 40 CFR 2.302(a)(2)(C). Thus, effluent data will not be protected as CBI and will be made publicly available.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

Program Information

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 part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- 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

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

112038

Reporting Period Start Date: 01/01/2019 **Reporting Period End Date:** 12/31/2019

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):
Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6020 - Arsenic (ICP-MS)
- EPA Method 6020 - Cadmium (ICP-MS)
- EPA Method 6020 - Chromium (ICP-MS)
- EPA Method 6020 - Copper (ICP-MS)
- EPA Method 6020 - Lead (ICP-MS)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6020 - Molybdenum (ICP-MS)
- EPA Method 6020 - Nickel (ICP-MS)
- EPA Method 6020 - Selenium (ICP-MS)
- EPA Method 6020 - Zinc (ICP-MS)
- EPA Method 6020 - Beryllium (ICP-MS)
- Standard Method 4500-NH3 - Ammonia Nitrogen
- Standard Method 4500-Norg - Organic Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids
- EPA Method 9045 - pH (> 7% solids)
- Standard Method 9221 - Fecal coliform

Other Analytical Methods

- Other Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  Total Nitrogen Calculation

- Other Total Kjeldahl Nitrogen Analytical Method
  Other Analytical Methods Text Area:

SM 4500-NH3

- Other Nitrate Nitrogen Analytical Method
  Other Analytical Methods Text Area:

SM 4500-NO3

Sludge Management - Land Application

ID: 008

Amount: 11057

Management Practice Detail: Agricultural Land Application

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
Denali Water Solutions
2001 West Key Street
Colton, CA 92324

Contact Information:
Chris Marks
Area Environmental Manager, West
760-801-3175
chris.marks@denaliwater.com

Pathogen Class: Class B

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class B-Alternative 2 PSRP 3: Anaerobic Digestion

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☑ NO ☐ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1 | **Compliance Monitoring Period Start Date:** 01/01/2019 | **Compliance Monitoring Period End Date:** 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	322	
Lead	=	18.4	
Mercury	=	0.61	
Molybdenum	=	23.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	46.7	
Selenium	=	29.8	
Zinc	=	766	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.99	
Cadmium	=	5.4	
Copper	=	320	
Lead	=	17.1	
Mercury	=	0.6	
Nickel	=	45.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	29.1	
Zinc	=	761	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53950	

Compliance Monitoring Event No. 2 | **Compliance Monitoring Period Start Date:** 03/01/2019 | **Compliance Monitoring Period End Date:** 04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	53	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.92	
Cadmium	=	6.7	
Copper	=	321	
Lead	=	16.1	
Mercury	=	0.84	
Nickel	=	48.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	29.3	
Zinc	=	744	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54500	

Compliance Monitoring Event No. 3 | **Compliance Monitoring Period Start Date:** 05/01/2019 | **Compliance Monitoring Period End Date:** 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Molybdenum	=	29.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.8	
Selenium	=	29.6	
Zinc	=	717	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	53	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.95	
Cadmium	=	4.4	
Copper	=	316	
Lead	=	17.3	
Mercury	=	0.71	
Nickel	=	44.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	27.4	
Zinc	=	712	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55000	

Compliance Monitoring Event No. 4 | **Compliance Monitoring Period Start Date:** 07/01/2019 | **Compliance Monitoring Period End Date:** 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	7.3	
Copper	=	372	
Lead	=	18.5	
Mercury	=	0.75	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	857	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	49	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.25	
Cadmium	=	6.8	
Copper	=	372	
Lead	=	17.1	
Mercury	=	0.64	
Nickel	=	40.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	34.7	
Zinc	=	834	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	56200	

Compliance Monitoring Event No. 5 | **Compliance Monitoring Period Start Date:** 09/01/2019 | **Compliance Monitoring Period End Date:** 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	338	
Lead	=	17.9	
Mercury	=	0.9	
Molybdenum	=	26.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	798	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	53	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.5	
Cadmium	=	5.2	
Copper	=	331	
Lead	=	17.1	
Mercury	=	0.85	
Nickel	=	34.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	29.8	
Zinc	=	792	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54200	

Compliance Monitoring Event No. 6 | **Compliance Monitoring Period Start Date:** 11/01/2019 | **Compliance Monitoring Period End Date:** 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	333	
Lead	=	19.6	
Mercury	=	0.97	
Molybdenum	=	25.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	775	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.33	
Cadmium	=	4.9	
Copper	=	319	
Lead	=	19.1	
Mercury	=	0.8	
Nickel	=	36.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	29.7	
Zinc	=	762	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52800	

Compliance Monitoring Event No. 7	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	07/01/2019	07/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Nickel	=	42.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	35.8	
Zinc	=	811	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54400	

Compliance Monitoring Event No. 8 | **Compliance Monitoring Period Start Date:** 08/01/2019 | **Compliance Monitoring Period End Date:** 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Molybdenum	=	23.3	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	47	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Nickel	=	38.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	33.5	
Zinc	=	857	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	58000	

Compliance Monitoring Event No. 9

Compliance Monitoring Period Start Date: 09/01/2019

Compliance Monitoring Period End Date: 09/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Nickel	=	32.1	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	28.4	
Zinc	=	798	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53400	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date: 10/01/2019

Compliance Monitoring Period End Date: 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Molybdenum	=	26.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Nickel	=	36.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	31.2	
Zinc	=	786	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55000	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date: 11/01/2019

Compliance Monitoring Period End Date: 11/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Molybdenum	=	25.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Nickel	=	36.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	29.7	
Zinc	=	749	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	50800	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date: 12/01/2019

Compliance Monitoring Period End Date: 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Nickel	=	36.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Selenium	=	29.6	
Zinc	=	775	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54700	

ID: 010

Amount: 16826

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL000718

Facility Information:
SYNAGRO SOUTH KERN COMPOST MANUFACTURING
2653 Santiago Road

Contact Information:
Robert Ford
Business Development Manager
661-765-7643

Taft, CA 93268 robertford@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2019

Compliance Monitoring Period End Date: 01/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.79	
Cadmium	=	5	
Copper	=	322	
Lead	=	15.7	
Mercury	=	0.61	
Molybdenum	=	23.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	44.2	
Selenium	=	29.8	
Zinc	=	755	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	4600000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	53	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.79	
Cadmium	=	5	
Copper	=	322	
Lead	=	15.7	
Mercury	=	0.61	
Nickel	=	44.2	
Selenium	=	29.8	
Zinc	=	755	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date: 02/01/2019

Compliance Monitoring Period End Date: 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Molybdenum	=	20.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52800	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 03/01/2019

Compliance Monitoring Period End Date: 03/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Molybdenum	=	19	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52900	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	04/01/2019	04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	56000	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date: 05/01/2019

Compliance Monitoring Period End Date: 05/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Molybdenum	=	24.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 6 | **Compliance Monitoring Period Start Date:** 06/01/2019 | **Compliance Monitoring Period End Date:** 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Molybdenum	=	29.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54900	

Compliance Monitoring Event No. 7	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	07/01/2019	07/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	29000000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54400	

Compliance Monitoring Event No. 8 | **Compliance Monitoring Period Start Date:** 08/01/2019 | **Compliance Monitoring Period End Date:** 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Molybdenum	=	23.3	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	47	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	58000	

Compliance Monitoring Event No. 9

Compliance Monitoring Period Start Date: 09/01/2019

Compliance Monitoring Period End Date: 09/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53400	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date: 10/01/2019

Compliance Monitoring Period End Date: 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Molybdenum	=	26.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55000	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date: 11/01/2019

Compliance Monitoring Period End Date: 11/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Molybdenum	=	25.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	50800	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date: 12/01/2019

Compliance Monitoring Period End Date: 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54700	

ID: 011

Amount: 33075

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL010500

Facility Information:
NURSERY PRODUCTS HAWES COMPOSTING FACILITY
P.O. Box 1439
Helendale, CA 94342

Contact Information:
Robert Ford
Business Development Manager
661-765-7643
robertford@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2019

Compliance Monitoring Period End Date: 01/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.79	
Cadmium	=	5	
Copper	=	322	
Lead	=	15.7	
Mercury	=	0.61	
Molybdenum	=	23.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	44.2	
Selenium	=	29.8	
Zinc	=	755	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	4600000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	53	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.79	
Cadmium	=	5	
Copper	=	322	
Lead	=	15.7	
Mercury	=	0.61	
Nickel	=	44.2	
Selenium	=	29.8	
Zinc	=	755	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date: 02/01/2019

Compliance Monitoring Period End Date: 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Molybdenum	=	20.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52800	

Compliance Monitoring Event No. 3	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	03/01/2019	03/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Molybdenum	=	19	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52900	

Compliance Monitoring Event No. 4 | **Compliance Monitoring Period Start Date:** 04/01/2019 | **Compliance Monitoring Period End Date:** 04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	56000	

Compliance Monitoring Event No. 5 | **Compliance Monitoring Period Start Date:** 05/01/2019 | **Compliance Monitoring Period End Date:** 05/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Molybdenum	=	24.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 6 | **Compliance Monitoring Period Start Date:** 06/01/2019 | **Compliance Monitoring Period End Date:** 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Molybdenum	=	29.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54900	

Compliance Monitoring Event No. 7

Compliance Monitoring Period Start Date: 07/01/2019

Compliance Monitoring Period End Date: 07/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	29000000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54400	

Compliance Monitoring Event No. 8 | **Compliance Monitoring Period Start Date:** 08/01/2019 | **Compliance Monitoring Period End Date:** 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Molybdenum	=	23.3	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	47	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	58000	

Compliance Monitoring Event No. 9

Compliance Monitoring Period Start Date: 09/01/2019

Compliance Monitoring Period End Date: 09/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53400	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date: 10/01/2019

Compliance Monitoring Period End Date: 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Molybdenum	=	26.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55000	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date: 11/01/2019

Compliance Monitoring Period End Date: 11/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Molybdenum	=	25.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	50800	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date: 12/01/2019

Compliance Monitoring Period End Date: 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54700	

ID: 012

Amount: 18124

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL

Facility Information:
Inland Empire Regional Composting
P.O. Box
Chino Hills, CA 91709

Contact Information:
Jeff Ziegenbin
Manager of Regional Composting Operation
909-993-1981
jziegenb@ieua.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2019

Compliance Monitoring Period End Date: 01/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.79	
Cadmium	=	5	
Copper	=	322	
Lead	=	15.7	
Mercury	=	0.61	
Molybdenum	=	23.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	44.2	
Selenium	=	29.8	
Zinc	=	755	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	4600000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	53	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.79	
Cadmium	=	5	
Copper	=	322	
Lead	=	15.7	
Mercury	=	0.61	
Nickel	=	44.2	
Selenium	=	29.8	
Zinc	=	755	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date: 02/01/2019

Compliance Monitoring Period End Date: 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Molybdenum	=	20.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52800	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 03/01/2019

Compliance Monitoring Period End Date: 03/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Molybdenum	=	19	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52900	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	04/01/2019	04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	56000	

Compliance Monitoring Event No. 5	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	05/01/2019	05/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Molybdenum	=	24.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 6

Compliance Monitoring Period Start Date: 06/01/2019

Compliance Monitoring Period End Date: 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Molybdenum	=	29.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54900	

Compliance Monitoring Event No. 7 | **Compliance Monitoring Period Start Date:** 07/01/2019 | **Compliance Monitoring Period End Date:** 07/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	29000000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54400	

Compliance Monitoring Event No. 8 | **Compliance Monitoring Period Start Date:** 08/01/2019 | **Compliance Monitoring Period End Date:** 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Molybdenum	=	23.3	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	47	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	58000	

Compliance Monitoring Event No. 9

Compliance Monitoring Period Start Date: 09/01/2019

Compliance Monitoring Period End Date: 09/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53400	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date: 10/01/2019

Compliance Monitoring Period End Date: 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Molybdenum	=	26.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55000	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date: 11/01/2019

Compliance Monitoring Period End Date: 11/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Molybdenum	=	25.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	50800	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date: 12/01/2019

Compliance Monitoring Period End Date: 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54700	

ID: 013

Amount: 7523

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL034318

Facility Information:
TULARE LAKE COMPOST
34318 23rd Avenue
Kettleman City, CA 93239

Contact Information:
Richard Kish
Compost Facility Superintendent
559-765-7072
richardkish@lacsd.org

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2019

Compliance Monitoring Period End Date: 01/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.79	
Cadmium	=	5	
Copper	=	322	
Lead	=	15.7	
Mercury	=	0.61	
Molybdenum	=	23.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	44.2	
Selenium	=	29.8	
Zinc	=	755	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	4600000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	53	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.79	
Cadmium	=	5	
Copper	=	322	
Lead	=	15.7	
Mercury	=	0.61	
Nickel	=	44.2	
Selenium	=	29.8	
Zinc	=	755	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date: 02/01/2019

Compliance Monitoring Period End Date: 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Molybdenum	=	20.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52800	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 03/01/2019

Compliance Monitoring Period End Date: 03/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Molybdenum	=	19	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52900	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	04/01/2019	04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	56000	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date: 05/01/2019

Compliance Monitoring Period End Date: 05/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Molybdenum	=	24.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 6 | **Compliance Monitoring Period Start Date:** 06/01/2019 | **Compliance Monitoring Period End Date:** 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Molybdenum	=	29.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54900	

Compliance Monitoring Event No. 7

Compliance Monitoring Period Start Date: 07/01/2019

Compliance Monitoring Period End Date: 07/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	29000000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54400	

Compliance Monitoring Event No. 8 | **Compliance Monitoring Period Start Date:** 08/01/2019 | **Compliance Monitoring Period End Date:** 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Molybdenum	=	23.3	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	47	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	58000	

Compliance Monitoring Event No. 9

Compliance Monitoring Period Start Date: 09/01/2019

Compliance Monitoring Period End Date: 09/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53400	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date: 10/01/2019

Compliance Monitoring Period End Date: 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Molybdenum	=	26.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55000	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date: 11/01/2019

Compliance Monitoring Period End Date: 11/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Molybdenum	=	25.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	50800	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date: 12/01/2019

Compliance Monitoring Period End Date: 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54700	

ID: 009

Amount: 1740

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
LIBERTY COMPOSTING
P.O. Box 5
Lost Hills, CA 93249

Contact Information:
Patrick McCarthy
General Manager
661-797-2914
patrickmccarthy@libertyrecyc.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2019

Compliance Monitoring Period End Date: 01/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	322	
Lead	=	18.4	
Mercury	=	0.61	
Molybdenum	=	23.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	46.7	
Selenium	=	29.8	
Zinc	=	766	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	4600000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	53	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	322	
Lead	=	18.4	
Mercury	=	0.61	
Nickel	=	46.7	
Selenium	=	29.8	
Zinc	=	766	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 2 | **Compliance Monitoring Period Start Date:** 02/01/2019 | **Compliance Monitoring Period End Date:** 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Molybdenum	=	20.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	9.19	
Cadmium	=	5.7	
Copper	=	318	
Lead	=	18.4	
Mercury	=	0.59	
Nickel	=	46.7	
Selenium	=	28.4	
Zinc	=	766	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52800	

Compliance Monitoring Event No. 3 | **Compliance Monitoring Period Start Date:** 03/01/2019 | **Compliance Monitoring Period End Date:** 03/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Molybdenum	=	19	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.09	
Cadmium	=	6.8	
Copper	=	330	
Lead	=	16.7	
Mercury	=	0.95	
Nickel	=	47.7	
Selenium	=	27.1	
Zinc	=	736	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52900	

Compliance Monitoring Event No. 4

Compliance Monitoring Period Start Date: 04/01/2019

Compliance Monitoring Period End Date: 04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	311	
Lead	=	15.4	
Mercury	=	0.72	
Nickel	=	48.6	
Selenium	=	31.4	
Zinc	=	751	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	56000	

Compliance Monitoring Event No. 5 | **Compliance Monitoring Period Start Date:** 05/01/2019 | **Compliance Monitoring Period End Date:** 05/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Molybdenum	=	24.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.36	
Cadmium	=	4.5	
Copper	=	310	
Lead	=	15.2	
Mercury	=	0.67	
Nickel	=	47.8	
Selenium	=	25.1	
Zinc	=	717	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55100	

Compliance Monitoring Event No. 6 | **Compliance Monitoring Period Start Date:** 06/01/2019 | **Compliance Monitoring Period End Date:** 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Molybdenum	=	29.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.54	
Cadmium	=	4.3	
Copper	=	322	
Lead	=	19.3	
Mercury	=	0.74	
Nickel	=	40.6	
Selenium	=	29.6	
Zinc	=	706	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54900	

Compliance Monitoring Event No. 7

Compliance Monitoring Period Start Date: 07/01/2019

Compliance Monitoring Period End Date: 07/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	29000000	
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	51	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.45	
Cadmium	=	6.3	
Copper	=	372	
Lead	=	15.6	
Mercury	=	0.52	
Nickel	=	42.4	
Selenium	=	35.8	
Zinc	=	811	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54400	

Compliance Monitoring Event No. 8 | **Compliance Monitoring Period Start Date:** 08/01/2019 | **Compliance Monitoring Period End Date:** 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Molybdenum	=	23.3	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	47	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.05	
Cadmium	=	7.3	
Copper	=	371	
Lead	=	18.5	
Mercury	=	0.75	
Nickel	=	38.6	
Selenium	=	33.5	
Zinc	=	857	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	58000	

Compliance Monitoring Event No. 9

Compliance Monitoring Period Start Date: 09/01/2019

Compliance Monitoring Period End Date: 09/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Molybdenum	=	24.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	52	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.53	
Cadmium	=	4.9	
Copper	=	338	
Lead	=	16.3	
Mercury	=	0.8	
Nickel	=	32.1	
Selenium	=	28.4	
Zinc	=	798	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53400	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date: 10/01/2019

Compliance Monitoring Period End Date: 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Molybdenum	=	26.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.47	
Cadmium	=	5.5	
Copper	=	323	
Lead	=	17.9	
Mercury	=	0.9	
Nickel	=	36.7	
Selenium	=	31.2	
Zinc	=	786	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55000	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date: 11/01/2019

Compliance Monitoring Period End Date: 11/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Molybdenum	=	25.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.56	
Cadmium	=	5.2	
Copper	=	304	
Lead	=	19.6	
Mercury	=	0.97	
Nickel	=	36.7	
Selenium	=	29.7	
Zinc	=	749	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	50800	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date: 12/01/2019

Compliance Monitoring Period End Date: 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Molybdenum	=	22.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	54	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	4.5	
Copper	=	333	
Lead	=	18.5	
Mercury	=	0.62	
Nickel	=	36.6	
Selenium	=	29.6	
Zinc	=	775	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54700	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 006

Amount: 23693

Management Practice Detail: Disposal in a Municipal Landfill (under 40 CFR 258)

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
H.M. Holloway Landfill
13850 Holloway Road
Lost Hills, CA 93249

Contact Information:
Chad Wright
Mine Superintendent
661-797-2320
cwright@hmhgypsum.com

Pathogen Class: Class B

Do you have any deficiencies to report for this SSUID? ☐ YES ☐ NO ☑ UNKNOWN

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

Additional Attachments

Name	Created Date	Size
2019 Denali LACSD Annual Report Part 3.pdf	02/11/2020 10:09 AM	1.95 MB
2019 Denali LACSD Annual Report Part 1.pdf	02/11/2020 10:08 AM	161.53 KB
2019 Denali LACSD Annual Report Part 2.pdf	02/11/2020 10:09 AM	1.52 MB
2019 JWPCP_NANI_Data_Summary.pdf	02/18/2020 2:28 PM	191.95 KB

Certification Information

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 gathered and evaluated 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 have no personal knowledge that the information submitted is other than 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. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Matthew J. Bao (MATTHEWBAO)

Certified On: 02/18/2020 3:54 PM

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
19010900294	1/8/2019	28.1	8.79	5.0	103	322	15.7	0.61	23.9	44.2	29.8	755	7710
19021300240	2/12/2019	28.6	9.19	5.7	104	318	18.4	0.59	20.4	46.7	28.4	766	-
19030600205	3/5/2019	27.9	8.09	6.8	116	330	16.7	0.95	19.0	47.7	27.1	736	-
19040300301	4/2/2019	27.9	7.74	6.6	105	311	15.4	0.72	22.2	48.6	31.4	751	7540
19050800316	5/7/2019	29.3	8.36	4.5	106	310	15.2	0.67	24.6	47.8	25.1	717	-
19060500257	6/4/2019	28.4	7.54	4.3	97	322	19.3	0.74	29.9	40.6	29.6	706	-
19071000284	7/9/2019	27.8	7.45	6.3	103	372	15.6	0.52	24.7	42.4	35.8	811	8,980
19080700280	8/6/2019	27.8	7.05	7.3	105	371	18.5	0.75	23.3	38.6	33.5	857	-
19090400247	9/3/2019	28.0	6.53	4.9	74	338	16.3	0.80	24.7	32.1	28.4	798	-
19100200191	10/1/2019	28.7	8.47	5.5	107	323	17.9	0.90	26.5	36.7	31.2	786	8,840
19110600314	11/5/2019	29.7	7.56	5.2	115	304	19.6	0.97	25.6	36.7	29.7	749	-
19120400328	12/3/2019	29.2	7.10	4.5	107	333	18.5	0.62	22.2	36.6	29.6	775	-
MEAN		**28.5**	**7.82**	**5.6**	**103**	**330**	**17.3**	**0.74**	**23.9**	**41.6**	**30.0**	**767**	**8,270**
MAX			**9.19**	**7.3**	**116**	**372**	**19.6**	**0.97**	**29.9**	**48.6**	**35.8**	**857**	**8,980**
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
19010900294	1/8/2019	28.1	3.8	1,290	0.081	6.9	97,200	226	990	3.1	< 0.20	48.8	59.5
19021300240	2/12/2019	28.6	-	-	-	-	-	-	-	-	-	-	-
19030600205	3/5/2019	27.9	-	-	-	-	-	-	-	-	-	-	-
19040300301	4/2/2019	27.9	4.0	1,210	0.087	7.4	90,600	208	998	3.4	< 0.20	58.0	64.6
19050800316	5/7/2019	29.3	-	-	-	-	-	-	-	-	-	-	-
19060500257	6/4/2019	28.4	-	-	-	-	-	-	-	-	-	-	-
19071000284	7/9/2019	27.8	3.7	1,150	0.081	6.0	91,300	218	1,000	3.3	< 0.20	75.5	58.8
19080700280	8/6/2019	27.8	-	-	-	-	-	-	-	-	-	-	-
19090400247	9/3/2019	28.0	-	-	-	-	-	-	-	-	-	-	-
19100200191	10/1/2019	28.7	3.4	1,130	0.072	4.4	102,000	236	956	3.0	< 0.20	71.5	56.5
19110600314	11/5/2019	29.7	-	-	-	-	-	-	-	-	-	-	-
19120400328	12/3/2019	29.2	-	-	-	-	-	-	-	-	-	-	-
MEAN		**28.5**	**3.7**	**1,200**	**0.080**	**6.2**	**95,300**	**222**	**986**	**3.2**	**ND**	**63.5**	**59.9**
MAX			**4.0**	**1,290**	**0.087**	**7.4**	**102,000**	**236**	**1,000**	**3.4**	**ND**	**75.5**	**64.6**

\ = No limit
ND = Not Detected
Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake -Total Metals Concentrations
Bi-Monthly Averages and Maximums
mg/kg Dry Weight

Sample No.	Date	As	As Bi-Monthly Avg	As Bi-Monthly Max	Cd	Cd Bi-Monthly Avg	Cd Bi-Monthly Max	Cu	Cu Bi-Monthly Avg	Cu Bi-Monthly Max	Pb	Pb Bi-Monthly Avg	Pb Bi-Monthly Max	Hg	Hg Bi-Monthly Avg	Hg Bi-Monthly Max
19010900294	1/8/2019	8.79	8.99	9.19	5.0	5.4	5.7	322	320	322	15.7	17.1	18.4	0.61	0.60	0.61
19021300240	2/12/2019	9.19			5.7			318			18.4			0.59		
19030600205	3/5/2019	8.09	7.92	8.09	6.8	6.7	6.8	330	321	330	16.7	16.1	16.7	0.95	0.84	0.95
19040300301	4/2/2019	7.74			6.6			311			15.4			0.72		
19050800316	5/7/2019	8.36	7.95	8.36	4.5	4.4	4.5	310	316	322	15.2	17.3	19.3	0.67	0.71	0.74
19060500257	6/4/2019	7.54			4.3			322			19.3			0.74		
19071000284	7/9/2019	7.45	7.25	7.45	6.3	6.8	7.3	372	372	372	15.6	17.1	18.5	0.52	0.64	0.75
19080700280	8/6/2019	7.05			7.3			371			18.5			0.75		
19090400247	9/3/2019	6.53	7.50	8.47	4.9	5.2	5.5	338	331	338	16.3	17.1	17.9	0.80	0.85	0.90
19100200191	10/1/2019	8.47			5.5			323			17.9			0.90		
19110600314	11/5/2019	7.56	7.33	7.56	5.2	4.9	5.2	304	319	333	19.6	19.1	19.6	0.97	0.80	0.97
19120400328	12/3/2019	7.10			4.5			333			18.5			0.62		
MEAN		**7.82**			**5.6**			**330**			**17.3**			**0.74**		
MAX		**9.19**			**7.3**			**372**			**19.6**			**1.0**		
TABLE 1 LIMITS		**75**			**85**			**4,300**			**840**			**57**		
TABLE 3 LIMITS		**41**			**39**			**1,500**			**300**			**17**		

Sample No.	Date	Mo	Mo Bi-Monthly Avg	Mo Bi-Monthly Max	Ni	Ni Bi-Monthly Avg	Ni Bi-Monthly Max	Se	Se Bi-Monthly Avg	Se Bi-Monthly Max	Zn	Zn Bi-Monthly Avg	Zn Bi-Monthly Max
19010900294	1/8/2019	23.9	22.2	23.9	44.2	45.5	46.7	29.8	29.1	29.8	755	761	766
19021300240	2/12/2019	20.4			46.7			28.4			766		
19030600205	3/5/2019	19.0	20.6	22.2	47.7	48.2	48.6	27.1	29.3	31.4	736	744	751
19040300301	4/2/2019	22.2			48.6			31.4			751		
19050800316	5/7/2019	24.6	27.3	29.9	47.8	44.2	47.8	25.1	27.4	29.6	717	712	717
19060500257	6/4/2019	29.9			40.6			29.6			706		
19071000284	7/9/2019	24.7	24.0	24.7	42.4	40.5	42.4	35.8	34.7	35.8	811	834	857
19080700280	8/6/2019	23.3			38.6			33.5			857		
19090400247	9/3/2019	24.7	25.6	26.5	32.1	34.4	36.7	28.4	29.8	31.2	798	792	798
19100200191	10/1/2019	26.5			36.7			31.2			786		
19110600314	11/5/2019	25.6	23.9	25.6	36.7	36.7	36.7	29.7	29.7	29.7	749	762	775
19120400328	12/3/2019	22.2			36.6			29.6			775		
MEAN		**23.9**			**41.6**			**30.0**			**767**		
MAX		**29.9**			**48.6**			**35.8**			**857**		
TABLE 1 LIMITS		**75**			**420**			**100**			**7,500**		
TABLE 3 LIMITS		\			**420**			**100**			**2,800**		

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	pH	Fecal Coliform (MPN/g)	TKN	TN*	TN Bi-Monthly Ave
19010900294	1/8/2019	28.1	32,000	78,100	6,640	48,400	< 141	< 3.56	27.7	8.2	4,600,000*	55,000	55,100	-
19021300240	2/12/2019	28.6	30,700	-	6,180	46,500	< 137	4.32	-	-	-	35,000	52,800	53,950
19030600205	3/5/2019	27.9	26,500	-	6,310	46,500	< 143	< 3.58	-	-	-	52,800	52,900	
19040300301	4/2/2019	27.9	29,900	82,300	5,960	50,000	< 143	< 3.58	27.8	8.2		56,000	56,000	54,500
19050800316	5/7/2019	29.3	33,800	-	5,440	49,600	< 135	< 3.41	-	-		55,100	55,100	
19060500257	6/4/2019	28.4	32,200	-	6,910	47,900	< 141	< 3.53	-	-		54,800	54,900	55,000
19071000284	7/9/2019	27.8	35,100	81,400	5,390	48,900	< 142	< 3.59	25.8	8.1	29,000,000	54,300	54,400	
19080700280	8/6/2019	27.8	34,700	-	4,320	53,600	< 143	< 3.60	-	-		57,900	58,000	56,200
19090400247	9/3/2019	28.0	29,400	-	4,840	48,500	< 142	< 3.57	-	-		53,300	53,400	
19100200191	10/1/2019	28.7	33,600	77,800	4,270	50,700	< 139	< 3.49	28.8	8.0		55,000	55,000	54,200
19110600314	11/5/2019	29.7	32,200	-	4,780	46,000	< 134	< 3.37	-	-		50,800	50,800	
19120400328	12/3/2019	29.2	33,300	-	4,140	50,500	< 136	< 3.42	-	-		54,600	54,700	52,800
MEAN		**28.5**	**32,000**	**79,900**	**5,430**	**48,900**	**ND**	**1.97**	**27.5**	**8.1**	**29,000,000**	**52,900**	**54,400**	**---**
MAX			**35,100**	**82,300**	**6,910**	**53,600**	**ND**	**4.32**	**28.8**	**8.2**	**29,000,000**	**57,900**	**58,000**	**---**

ND = Not Detected
Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

4th Quarter 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
19010900297	1/8/2019	159	0.05	0.12	26.2	< 0.01	< 0.005	1.28	0.10	< 0.10	2,290
19040300303	4/2/2019	149	0.06	0.10	24.1	< 0.01	< 0.005	1.35	0.10	< 0.10	2,060
19071000287	7/9/2019	198	0.03	0.06	36.3	< 0.01	< 0.005	1.33	0.07	< 0.10	2,030
19100200193	10/1/2019	184	0.05	0.14	25.1	< 0.01	< 0.005	1.45	0.06	< 0.10	2,220
MEAN		**173**	**0.05**	**0.10**	**27.9**	**ND**	**ND**	**1.35**	**0.08**	**ND**	**2,150**
MAX		**198**	**0.06**	**0.14**	**36.3**	**ND**	**ND**	**1.45**	**0.10**	**ND**	**2,290**
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
19010900297	1/8/2019	0.03	< 0.0015	0.29	< 1.00	< 50.0	0.03	< 0.02	< 0.04	< 0.04	1.13	8.80
19040300303	4/2/2019	0.03	< 0.001	0.25	< 1.00	< 50.0	0.04	< 0.02	< 0.04	< 0.04	1.19	8.24
19071000287	7/9/2019	0.01	< 0.0005	0.11	< 1.00	< 50.0	0.05	< 0.02	< 0.04	< 0.04	1.15	14.3
19100200193	10/1/2019	0.05	< 0.0005	0.29	< 1.00	< 50.0	0.03	< 0.02	< 0.04	0.05	1.05	11.1
MEAN		**0.03**	**ND**	**0.24**	**ND**	**ND**	**0.04**	**ND**	**ND**	**0.03**	**1.13**	**10.6**
MAX		**0.05**	**ND**	**0.29**	**ND**	**ND**	**0.05**	**ND**	**ND**	**0.05**	**1.19**	**14.3**
TITLE 22 STLCs		**5.0**	**0.2**	**350**	**20**	****	**1.0**	**5**	**7.0**	****	**24**	**250**

ND = Not Detected
\ = No Limit
Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

2019 BIOSOLIDS MANAGEMENT PROGRAM

JWPCP Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)	VSD Bi-Monthly Avg (%)
January	96.1	20	53	
February	96.0	20	54	54
March	96.1	19	54	
April	96.1	19	51	53
May	96.1	19	54	
June	96.2	21	52	53
July	96.3	19	51	
August	96.1	20	47	49
September	96.1	19	52	
October	96.1	20	54	53
November	95.9	19	54	
December	96.0	20	54	54
MEAN	**96.1**	**20**	**53**	-
MIN	**95.9**	**19**	**47**	-

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

Date	1/8/19	7/9/19
Sample Numbers	19010900294	19071000284
	19010900295	19071000285
Constituent	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	8.79	7.45
Beryllium	0.08	0.08
Cadmium	5.0	6.3
Chromium	103	103
Copper	322	372
Lead	15.7	15.6
Mercury	0.61	0.52
Nickel	44.2	42.4
Selenium	29.8	35.8
Silver	3.1	3.3
Zinc	755	811
Antimony	3.8	3.7
Total Cyanide	4.22	1.96
Diethylhexyl Phthalate	35.9	44.7

JWPCP BIOSOLIDS CAKE
2019 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	19010900294	19071000284	
	19010900295	19071000285	
Sample Date:	**1/8/2019**	**7/9/2019**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
PH	8.2	8.1	PH
TOTAL SOLIDS	28.1	27.8	%
TOTAL CYANIDE	4.22	1.96	MG/KG CN
ARSENIC	8.79	7.45	MG/KG AS
CADMIUM	5.0	6.3	MG/KG CD
TOTAL CHROMIUM	103	103	MG/KG CR
COPPER	322	372	MG/KG CU
LEAD	15.7	15.6	MG/KG PB
MERCURY	0.61	0.52	MG/KG HG
NICKEL	44.2	42.4	MG/KG NI
SELENIUM	29.8	35.8	MG/KG SE
SILVER	3.1	3.3	MG/KG AG
ZINC	755	811	MG/KG ZN
ANTIMONY	3.8	3.7	MG/KG SB
BERYLLIUM	0.081	0.081	MG/KG BE
THALLIUM	< 0.20	< 0.20	MG/KG TL
BARIUM	1,290	1,150	MG/KG BA
ALUMINUM	7,710	8,980	MG/KG AL
COBALT	6.88	6.01	MG/KG CO
IRON	97,200	91,300	MG/KG FE
MANGANESE	226	218	MG/KG MN
POTASSIUM	990	1,000	MG/KG K
MOLYBDENUM	23.9	24.7	MG/KG MO
TIN	48.8	75.5	MG/KG SN
VANADIUM	59.5	58.8	MG/KG V
OP'-DDE	< 0.025	< 0.025	MG/KG
PP'-DDD	< 0.025	< 0.025	MG/KG
PP'-DDT	< 0.025	< 0.025	MG/KG
ALPHA-BHC	< 0.025	< 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	< 35.5	< 36.1	MG/KG
CHLOROFORM	< 0.067	< 0.035	MG/KG
1,1,1-TRICHLOROETHANE	< 0.067	< 0.035	MG/KG
CARBON TETRACHLORIDE	< 0.067	< 0.035	MG/KG

JWPCP BIOSOLIDS CAKE
2019 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	19010900294	19071000284	
	19010900295	19071000285	
Sample Date:	**1/8/2019**	**7/9/2019**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
TRICHLOROETHYLENE	< 0.067	< 0.035	MG/KG
TETRACHLOROETHYLENE	< 0.067	< 0.035	MG/KG
CHLOROBENZENE	< 0.067	< 0.035	MG/KG
VINYL CHLORIDE	< 0.067	< 0.035	MG/KG
1,1,2-TRICHLOROETHANE	< 0.067	< 0.035	MG/KG
1,2-DICHLOROETHANE	< 0.067	< 0.035	MG/KG
TOLUENE	< 0.067	< 0.035	MG/KG
ETHYL BENZENE	< 0.067	< 0.035	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.067	< 0.035	MG/KG
BROMOMETHANE	< 0.067	< 0.035	MG/KG
CHLOROETHANE	< 0.067	< 0.035	MG/KG
2-CHLOROETHYLVINYLETHER	< 0.067	< 0.035	MG/KG
1,2-DICHLOROPROPANE	< 0.67	< 0.035	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.067	< 0.035	MG/KG
ACROLEIN	< 0.067	< 0.035	MG/KG
ACRYLONITRILE	< 0.067	< 0.035	MG/KG
ACENAPHTHENE	< 35.5	< 36.1	MG/KG
ACENAPHTHYLENE	< 35.5	< 36.1	MG/KG
ANTHRACENE	< 35.5	< 36.1	MG/KG
BENZIDINE	< 178	< 180	MG/KG
BENZO(A)ANTHRACENE	< 35.5	< 36.1	MG/KG
BENZO(A)PYRENE	< 35.5	< 36.1	MG/KG
BENZO(B)FLUORANTHENE	< 35.5	< 36.1	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 35.5	< 36.1	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 35.5	< 36.1	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 35.5	< 36.1	MG/KG
DIETHYLHEXYL PHTHALATE	35.9	44.7	MG/KG
BUTYLBENZYL PHTHALATE	< 35.5	< 36.1	MG/KG
2-CHLORONAPHTHALENE	< 35.5	< 36.1	MG/KG
CHRYSENE	< 35.5	< 36.1	MG/KG
DIBENZO(A,H)ANTHRACENE	< 35.5	< 36.1	MG/KG
1,2-DICHLOROBENZENE	< 35.5	< 36.1	MG/KG
1,3-DICHLOROBENZENE	< 35.5	< 36.1	MG/KG
1,4-DICHLOROBENZENE	< 35.5	< 36.1	MG/KG
3,3'-DICHLOROBENZIDINE	< 71.0	< 72.2	MG/KG
DIETHYL PHTHALATE	< 35.5	< 36.1	MG/KG
METHYLENE CHLORIDE	< 0.067	< 0.035	MG/KG
DI-N-BUTYL PHTHALATE	< 35.5	< 36.1	MG/KG
2,4-DINITROTOLUENE	< 35.5	< 36.1	MG/KG
DI-N-OCTYL PHTHALATE	< 35.5	< 36.1	MG/KG
1,2-DIPHENYLHYDRAZINE	< 35.5	< 36.1	MG/KG
FLUORANTHENE	< 35.5	< 36.1	MG/KG
FLUORENE	< 35.5	< 36.1	MG/KG
HEXACHLOROBENZENE	< 35.5	< 36.1	MG/KG
HEXACHLOROBUTADIENE	< 35.5	< 36.1	MG/KG
HEXACHLOROETHANE	< 35.5	< 36.1	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 35.5	< 36.1	MG/KG
ISOPHORONE	< 35.5	< 36.1	MG/KG
NAPHTHALENE	< 35.5	< 36.1	MG/KG
NITROBENZENE	< 35.5	< 36.1	MG/KG
DIMETHYL PHTHALATE	< 35.5	< 36.1	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 35.5	< 36.1	MG/KG
PHENANTHRENE	< 35.5	< 36.1	MG/KG

JWPCP BIOSOLIDS CAKE
2019 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	19010900294	19071000284	
	19010900295	19071000285	
Sample Date:	**1/8/2019**	**7/9/2019**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
PYRENE	< 35.5	< 36.1	MG/KG
2,3,7,8-TCDD	< 6.5	< 7.1	NG/KG
2-CHLOROPHENOL	< 35.5	< 36.1	MG/KG
1,2,4-TRICHLOROBENZENE	< 35.5	< 36.1	MG/KG
2,4-DICHLOROPHENOL	< 35.5	< 36.1	MG/KG
4-CHLORO-3-METHYLPHENOL	< 35.5	< 36.1	MG/KG
2,4-DINITROPHENOL	< 71.0	< 72.2	MG/KG
2-NITROPHENOL	< 35.5	< 36.1	MG/KG
4-NITROPHENOL	< 71.0	< 72.2	MG/KG
PENTACHLOROPHENOL	< 71.0	< 72.2	MG/KG
PHENOL	< 35.5	< 36.1	MG/KG
2,4,6-TRICHLOROPHENOL	< 35.5	< 36.1	MG/KG
N-NITROSODIPHENYLAMINE	< 35.5	< 36.1	MG/KG
O-CRESOL	< 71.0	< 72.2	MG/KG
M+P CRESOL	< 71.0	< 72.2	MG/KG
MALATHION	< 8.8	< 1.7	MG/KG
PP'-DDE	< 0.025	< 0.025	MG/KG
OP'-DDD	< 0.025	< 0.025	MG/KG
OP'-DDT	< 0.025	< 0.025	MG/KG
METHOXYCLOR	< 0.029	< 0.025	MG/KG
2,4-D(ACID)	< 1.2	< 1.3	MG/KG
2,4,5-TP(SILVEX)	< 1.2	< 1.3	MG/KG
TECHNICAL CHLORDANE	< 0.150	< 0.150	MG/KG
TOTAL DETECTED PESTICIDES	ND	ND	MG/KG
MIREX	< 0.025	< 0.025	MG/KG
1,1-DICHLOROETHENE	< 0.067	< 0.035	MG/KG
BROMODICHLOROMETHANE	< 0.067	< 0.035	MG/KG
DIBROMOCHLOROMETHANE	< 0.067	< 0.035	MG/KG
BROMOFORM	< 0.067	< 0.035	MG/KG
O-DICHLOROBENZENE	< 0.067	< 0.035	MG/KG
M-DICHLOROBENZENE	< 0.067	< 0.035	MG/KG
P-DICHLOROBENZENE	< 0.067	< 0.035	MG/KG
1,1-DICHLOROETHANE	< 0.067	< 0.035	MG/KG
BENZENE	< 0.067	< 0.035	MG/KG
CHLOROMETHANE	< 0.067	< 0.035	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.067	< 0.035	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.067	< 0.035	MG/KG
FREON 12	< 0.067	< 0.035	MG/KG
FREON 11	< 0.067	< 0.035	MG/KG
BENZO(G.H.I.)PERYLENE	< 35.5	< 36.1	MG/KG
BENZO(K)FLUORANTHENE	< 35.5	< 36.1	MG/KG
4-BROMOPHENYL PHENYLETHER	< 35.5	< 36.1	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 35.5	< 36.1	MG/KG
2,6-DINITROTOLUENE	< 35.5	< 36.1	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 71.0	< 72.2	MG/KG
2-METHYL-4,6DINITROPHENOL	< 35.5	< 36.1	MG/KG
2,4-DIMETHYLPHENOL	< 35.5	< 36.1	MG/KG
PYRIDINE	< 35.5	< 36.1	MG/KG

ND = None Detected

* = Lab ID: 19080700279

3031 Franklin Avenue
Riverside, CA 92507

Annual Biosolids Report

Los Angeles County Sanitation District

Joint Water Pollution Control Plant (JWPCP)

2019

3031 Franklin Avenue
Riverside, CA 92507

February 5, 2020

Mr. Jorge Montezuma
Los Angeles County Sanitation District
1955 Workman Mill Road
Whittier, California 90607

Mr. Montezuma,

Re: 2019 Annual Report

Attached is the 2019 Annual Biosolids Report for Los Angeles County Sanitation District

Included in this report are annual application reports, field reports, site maps, and a certification statement certifying federal and state requirements were met with our land application operations.

If you have any questions, feel free to call me at (760) 801-3175.

Sincerely,

Chris Marks

Table of Contents

2019 Annual Application Summaries

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	3,157.57
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	881.18
Analysis Date:	01/08/2019	**Wet Metric Tons Applied:**	2,866.44
Field Name:	MA 5-5	**Dry Metric Tons Applied:**	799.94
Acreage:	275	**Wet Tons/Acre Applied:**	11.48
Application Method:	Surface	**Dry Tons/Acre Applied:**	3.20
Volume Applied:	3,157.57 WT	**Wet Metric Tons/ha Applied:**	10.42
		Dry Metric Tons/ha Applied:	2.91

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.10%		
TKN	15,505.90	392.9221	350.5572
NH3	1,865.84	41.9417	37.4195
NO3	39.62	1.0174	0.9077
Organic N	13,640.06	350.9804	313.1377
As	2.47	0.0570	0.0508
Cd	1.40	0.0419	0.0374
Cr	28.94	0.2657	0.2371
Cu	90.48	2.5431	2.2689
Pb	4.41	0.1123	0.1002
Hg	0.17	0.0040	0.0035
Mo	6.72	0.1754	0.1565
Ni	12.42	0.3092	0.2759
Se	8.37	0.2417	0.2156
Zn	212.15	5.6810	5.0685
PAN	3,700.55	92.1843	82.2450
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	7,240.49
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	2,025.43
Analysis Date:	01/08/2019	**Wet Metric Tons Applied:**	6,572.92
Field Name:	MA 5-6	**Dry Metric Tons Applied:**	1,838.69
Acreage:	277	**Wet Tons/Acre Applied:**	26.14
Application Method:	Surface	**Dry Tons/Acre Applied:**	7.31
Volume Applied:	7,240.49 WT	**Wet Metric Tons/ha Applied:**	23.73
		Dry Metric Tons/ha Applied:	6.64

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.10%		
TKN	15,505.90	899.3555	802.3871
NH3	1,865.84	100.2656	89.4550
NO3	39.62	2.3180	2.0681
Organic N	13,640.06	799.0899	712.9321
As	2.47	0.1349	0.1203
Cd	1.40	0.0909	0.0811
Cr	28.94	0.9819	0.8760
Cu	90.48	5.6209	5.0149
Pb	4.41	0.2567	0.2290
Hg	0.17	0.0094	0.0084
Mo	6.72	0.3972	0.3544
Ni	12.42	0.7122	0.6354
Se	8.37	0.5296	0.4725
Zn	212.15	12.7596	11.3838
PAN	3,700.55	212.2688	189.3820
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	3,695.54
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	1,040.85
Analysis Date:	06/04/2019	**Wet Metric Tons Applied:**	3,354.81
Field Name:	MA 7-1008	**Dry Metric Tons Applied:**	944.89
Acreage:	60.90	**Wet Tons/Acre Applied:**	60.68
Application Method:	Surface	**Dry Tons/Acre Applied:**	17.09
Volume Applied:	3,695.54 WT	**Wet Metric Tons/ha Applied:**	55.09
		Dry Metric Tons/ha Applied:	15.52

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.40%		
TKN	15,606.10	2,097.6704	1,871.4996
NH3	1,962.44	242.2418	216.1233
NO3	40.04	5.4170	4.8329
Organic N	13,643.66	1,855.4286	1,655.3763
As	2.14	0.2875	0.2565
Cd	1.22	0.1944	0.1734
Cr	27.43	2.2709	2.0261
Cu	91.45	13.0771	11.6671
Pb	5.48	0.6847	0.6108
Hg	0.21	0.0251	0.0224
Mo	8.49	1.0686	0.9534
Ni	11.53	1.5822	1.4116
Se	8.41	1.2259	1.0937
Zn	200.50	28.6037	25.5196
PAN	3,741.99	496.5402	443.0033
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	2,606.66
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	740.29
Analysis Date:	06/04/2019	**Wet Metric Tons Applied:**	2,366.33
Field Name:	MA 7-1104	**Dry Metric Tons Applied:**	672.04
Acreage:	68	**Wet Tons/Acre Applied:**	38.33
Application Method:	Surface	**Dry Tons/Acre Applied:**	10.89
Volume Applied:	2,606.66 WT	**Wet Metric Tons/ha Applied:**	34.80
		Dry Metric Tons/ha Applied:	9.88

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.40%		
TKN	15,606.10	1,341.0559	1,196.4633
NH3	1,962.44	168.6356	150.4533
NO3	40.04	3.4410	3.0700
Organic N	13,643.66	1,172.4203	1,046.0100
As	2.14	0.1840	0.1642
Cd	1.22	0.1049	0.0936
Cr	27.43	2.3575	2.1033
Cu	91.45	7.8583	7.0110
Pb	5.48	0.4710	0.4202
Hg	0.21	0.0181	0.0161
Mo	8.49	0.7297	0.6510
Ni	11.53	0.9908	0.8840
Se	8.41	0.7224	0.6445
Zn	200.50	17.2296	15.3719
PAN	3,741.99	321.5547	286.8847
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	958.62
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	266.50
Analysis Date:	07/09/2019	**Wet Metric Tons Applied:**	870.24
Field Name:	MA 7-1403	**Dry Metric Tons Applied:**	241.93
Acreage:	59.60	**Wet Tons/Acre Applied:**	16.08
Application Method:	Surface	**Dry Tons/Acre Applied:**	4.47
Volume Applied:	958.62 WT	**Wet Metric Tons/ha Applied:**	14.60
		Dry Metric Tons/ha Applied:	4.06

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	27.80%		
TKN	15,132.10	545.6031	486.7762
NH3	1,498.42	54.0271	48.2019
NO3	39.48	1.4233	1.2699
Organic N	13,633.68	491.5760	438.5743
As	2.07	0.0747	0.0666
Cd	1.75	0.0631	0.0563
Cr	0.00	0.0000	0.0000
Cu	103.42	3.7288	3.3267
Pb	4.34	0.1564	0.1395
Hg	0.14	0.0052	0.0047
Mo	6.87	0.2476	0.2209
Ni	11.79	0.4250	0.3792
Se	9.95	0.3588	0.3202
Zn	225.46	8.1291	7.2526
PAN	3,507.53	126.4674	112.8317
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	632.24
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	175.76
Analysis Date:	07/09/2019	**Wet Metric Tons Applied:**	573.95
Field Name:	MA 7-1406	**Dry Metric Tons Applied:**	159.56
Acreage:	50.10	**Wet Tons/Acre Applied:**	12.62
Application Method:	Surface	**Dry Tons/Acre Applied:**	3.51
Volume Applied:	632.24 WT	**Wet Metric Tons/ha Applied:**	11.46
		Dry Metric Tons/ha Applied:	3.18

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	27.80%		
TKN	15,132.10	428.0759	381.9208
NH3	1,498.42	42.3892	37.8188
NO3	39.48	1.1167	0.9963
Organic N	13,633.68	385.6867	344.1020
As	2.07	0.0586	0.0523
Cd	1.75	0.0495	0.0442
Cr	0.00	0.0000	0.0000
Cu	103.42	2.9256	2.6101
Pb	4.34	0.1227	0.1095
Hg	0.14	0.0041	0.0036
Mo	6.87	0.1943	0.1733
Ni	11.79	0.3335	0.2975
Se	9.95	0.2815	0.2512
Zn	225.46	6.3780	5.6904
PAN	3,507.53	99.2253	88.5269
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	1,594.94
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	444.99
Analysis Date:	04/25/2019	**Wet Metric Tons Applied:**	1,447.89
Field Name:	MA 7-2304	**Dry Metric Tons Applied:**	403.96
Acreage:	51.20	**Wet Tons/Acre Applied:**	31.15
Application Method:	Surface	**Dry Tons/Acre Applied:**	8.69
Volume Applied:	1,594.94 WT	**Wet Metric Tons/ha Applied:**	28.28
		Dry Metric Tons/ha Applied:	7.89

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	27.90%		
TKN	15,651.10	1,092.9385	975.0979
NH3	1,662.84	116.1187	103.5988
NO3	38.22	2.6692	2.3814
Organic N	13,988.26	976.8197	871.4991
As	2.16	0.1508	0.1345
Cd	1.84	0.1286	0.1147
Cr	29.30	2.0457	1.8251
Cu	86.77	6.0592	5.4059
Pb	4.30	0.3000	0.2677
Hg	0.20	0.0140	0.0125
Mo	6.19	0.4325	0.3859
Ni	13.56	0.9469	0.8448
Se	8.76	0.6118	0.5458
Zn	209.53	14.6317	13.0541
PAN	3,667.29	256.0925	228.4806
P	22,961.70	1,603.4518	1,430.5677

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	940.42
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	262.38
Analysis Date:	04/25/2019	**Wet Metric Tons Applied:**	853.71
Field Name:	MA 7-2305	**Dry Metric Tons Applied:**	238.19
Acreage:	51	**Wet Tons/Acre Applied:**	18.44
Application Method:	Surface	**Dry Tons/Acre Applied:**	5.14
Volume Applied:	940.42 WT	**Wet Metric Tons/ha Applied:**	16.74
		Dry Metric Tons/ha Applied:	4.67

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	27.90%		
TKN	15,651.10	646.9534	577.1989
NH3	1,662.84	68.7353	61.3242
NO3	38.22	1.5800	1.4096
Organic N	13,988.26	578.2181	515.8747
As	2.16	0.0893	0.0796
Cd	1.84	0.0761	0.0679
Cr	29.30	1.2109	1.0804
Cu	86.77	3.5867	3.2000
Pb	4.30	0.1776	0.1585
Hg	0.20	0.0083	0.0074
Mo	6.19	0.2560	0.2284
Ni	13.56	0.5605	0.5001
Se	8.76	0.3621	0.3231
Zn	209.53	8.6611	7.7273
PAN	3,667.29	151.5912	135.2467
P	22,961.70	949.1464	846.8095

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	937.17
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	274.59
Analysis Date:	05/07/2019	**Wet Metric Tons Applied:**	850.76
Field Name:	MA 7-2401	**Dry Metric Tons Applied:**	249.27
Acreage:	47.40	**Wet Tons/Acre Applied:**	19.77
Application Method:	Surface	**Dry Tons/Acre Applied:**	5.79
Volume Applied:	937.17 WT	**Wet Metric Tons/ha Applied:**	17.95
		Dry Metric Tons/ha Applied:	5.26

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.30%		
TKN	16,126.70	714.7654	637.6995
NH3	1,593.92	70.6454	63.0284
NO3	0.00	0.0000	0.0000
Organic N	14,532.78	644.1200	574.6710
As	2.45	0.1086	0.0969
Cd	1.32	0.0584	0.0521
Cr	31.06	1.3765	1.2281
Cu	90.83	4.0258	3.5917
Pb	4.45	0.1974	0.1761
Hg	0.20	0.0087	0.0078
Mo	7.21	0.3195	0.2850
Ni	14.01	0.6207	0.5538
Se	7.35	0.3260	0.2908
Zn	210.08	9.3112	8.3072
PAN	3,703.52	164.1467	146.4484
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	2,456.18
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	697.56
Analysis Date:	06/04/2019	**Wet Metric Tons Applied:**	2,229.72
Field Name:	MA 7-2402	**Dry Metric Tons Applied:**	633.24
Acreage:	73.70	**Wet Tons/Acre Applied:**	33.33
Application Method:	Surface	**Dry Tons/Acre Applied:**	9.46
Volume Applied:	2,456.18 WT	**Wet Metric Tons/ha Applied:**	30.25
		Dry Metric Tons/ha Applied:	8.59

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.40%		
TKN	15,606.10	1,165.9076	1,040.1995
NH3	1,962.44	146.6110	130.8034
NO3	40.04	2.9916	2.6691
Organic N	13,643.66	1,019.2966	909.3961
As	2.14	0.1600	0.1427
Cd	1.22	0.0912	0.0814
Cr	27.43	2.0496	1.8286
Cu	91.45	6.8319	6.0953
Pb	5.48	0.4095	0.3653
Hg	0.21	0.0157	0.0140
Mo	8.49	0.6344	0.5660
Ni	11.53	0.8614	0.7685
Se	8.41	0.6280	0.5603
Zn	200.50	14.9794	13.3643
PAN	3,741.99	279.5581	249.4162
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	679.80
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	188.98
Analysis Date:	07/09/2019	**Wet Metric Tons Applied:**	617.12
Field Name:	MA 7-2403	**Dry Metric Tons Applied:**	171.56
Acreage:	73.30	**Wet Tons/Acre Applied:**	9.27
Application Method:	Surface	**Dry Tons/Acre Applied:**	2.58
Volume Applied:	679.80 WT	**Wet Metric Tons/ha Applied:**	8.42
		Dry Metric Tons/ha Applied:	2.34

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	27.80%		
TKN	15,132.10	314.5964	280.6766
NH3	1,498.42	31.1522	27.7933
NO3	39.48	0.8207	0.7322
Organic N	13,633.68	283.4442	252.8833
As	2.07	0.0431	0.0384
Cd	1.75	0.0364	0.0325
Cr	0.00	0.0000	0.0000
Cu	103.42	2.1500	1.9182
Pb	4.34	0.0902	0.0804
Hg	0.14	0.0030	0.0027
Mo	6.87	0.1428	0.1274
Ni	11.79	0.2451	0.2186
Se	9.95	0.2069	0.1846
Zn	225.46	4.6873	4.1819
PAN	3,507.53	72.9215	65.0591
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	1,669.07
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	489.04
Analysis Date:	05/07/2019	**Wet Metric Tons Applied:**	1,515.18
Field Name:	MA 7-2406	**Dry Metric Tons Applied:**	443.95
Acreage:	70.80	**Wet Tons/Acre Applied:**	23.57
Application Method:	Surface	**Dry Tons/Acre Applied:**	6.91
Volume Applied:	1,669.07 WT	**Wet Metric Tons/ha Applied:**	21.40
		Dry Metric Tons/ha Applied:	6.27

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.30%		
TKN	16,126.70	852.2456	760.3565
NH3	1,593.92	84.2336	75.1515
NO3	0.00	0.0000	0.0000
Organic N	14,532.78	768.0121	685.2050
As	2.45	0.1294	0.1155
Cd	1.32	0.0697	0.0622
Cr	31.06	1.6413	1.4643
Cu	90.83	4.8001	4.2825
Pb	4.45	0.2354	0.2100
Hg	0.20	0.0104	0.0093
Mo	7.21	0.3809	0.3398
Ni	14.01	0.7401	0.6603
Se	7.35	0.3887	0.3467
Zn	210.08	11.1021	9.9051
PAN	3,703.52	195.7192	174.6168
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	2,087.76
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	598.55
Analysis Date:	04/25/2019	**Wet Metric Tons Applied:**	1,895.27
Field Name:	MA 7-2407	**Dry Metric Tons Applied:**	543.36
Acreage:	68.50	**Wet Tons/Acre Applied:**	30.48
Application Method:	Surface	**Dry Tons/Acre Applied:**	8.74
Volume Applied:	2,087.76 WT	**Wet Metric Tons/ha Applied:**	27.67
		Dry Metric Tons/ha Applied:	7.93

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	27.90%		
TKN	15,651.10	1,087.1886	969.9679
NH3	1,662.84	111.0226	99.0521
NO3	38.22	1.1763	1.0495
Organic N	13,988.26	976.1660	870.9158
As	2.16	0.1584	0.1413
Cd	1.84	0.1062	0.0947
Cr	29.30	2.0677	1.8448
Cu	86.77	6.0808	5.4252
Pb	4.30	0.2995	0.2672
Hg	0.20	0.0136	0.0121
Mo	6.19	0.4613	0.4115
Ni	13.56	0.9432	0.8415
Se	8.76	0.5457	0.4869
Zn	209.53	14.3364	12.7906
PAN	3,659.65	251.6856	224.5488
P	22,961.70	706.6637	630.4713

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	1,468.17
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	416.96
Analysis Date:	06/04/2019	**Wet Metric Tons Applied:**	1,332.80
Field Name:	MA 7-2501	**Dry Metric Tons Applied:**	378.52
Acreage:	77.50	**Wet Tons/Acre Applied:**	18.94
Application Method:	Surface	**Dry Tons/Acre Applied:**	5.38
Volume Applied:	1,468.17 WT	**Wet Metric Tons/ha Applied:**	17.20
		Dry Metric Tons/ha Applied:	4.88

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.40%		
TKN	15,606.10	662.7444	591.2873
NH3	1,962.44	83.3390	74.3534
NO3	40.04	1.7006	1.5172
Organic N	13,643.66	579.4054	516.9339
As	2.14	0.0909	0.0811
Cd	1.22	0.0519	0.0463
Cr	27.43	1.1651	1.0394
Cu	91.45	3.8835	3.4648
Pb	5.48	0.2328	0.2077
Hg	0.21	0.0089	0.0080
Mo	8.49	0.3606	0.3217
Ni	11.53	0.4897	0.4369
Se	8.41	0.3570	0.3185
Zn	200.50	8.5148	7.5967
PAN	3,741.99	158.9110	141.7773
P	0.00	0.0000	0.0000

Denali WATER SOLUTIONS

FARM APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation District	**Wet Tons Applied:**	2,103.08
Waste Type:	WWTP Biosolids	**Dry Tons Applied:**	597.27
Analysis Date:	06/04/2019	**Wet Metric Tons Applied:**	1,909.18
Field Name:	MA 7-2502	**Dry Metric Tons Applied:**	542.21
Acreage:	71.10	**Wet Tons/Acre Applied:**	29.58
Application Method:	Surface	**Dry Tons/Acre Applied:**	8.40
Volume Applied:	2,103.08 WT	**Wet Metric Tons/ha Applied:**	26.85
		Dry Metric Tons/ha Applied:	7.63

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.40%		
TKN	15,606.10	1,034.8029	923.2305
NH3	1,962.44	130.1248	116.0947
NO3	40.04	2.6552	2.3689
Organic N	13,643.66	904.6781	807.1357
As	2.14	0.1420	0.1267
Cd	1.22	0.0810	0.0722
Cr	27.43	1.8191	1.6230
Cu	91.45	6.0637	5.4099
Pb	5.48	0.3634	0.3243
Hg	0.21	0.0139	0.0124
Mo	8.49	0.5631	0.5023
Ni	11.53	0.7646	0.6821
Se	8.41	0.5574	0.4973
Zn	200.50	13.2950	11.8615
PAN	3,741.99	248.1222	221.3697
P	0.00	0.0000	0.0000

FARM APPLICATION SUMMARY REPORT For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation Di	Wet Tons Applied:	7,291.91
Waste Type:	WWTP Biosolids	Dry Tons Applied:	2,061.06
Analysis Date:	01/31/2020	Wet Metric Tons Applied:	6,619.60
Field Name:	YM 2-30	Dry Metric Tons Applied:	1,871.03
Acreage:	191.30	Wet Tons/Acre Applied:	38.12
Application Method:	Surface	Dry Tons/Acre Applied:	10.77
Volume Applied:	7,291.91 WT	Wet Metric Tons/ha Applied:	34.60
Dry Metric Tons/ha Applied:	9.78		

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.10%		
TKN	55,181.00	1,294.24	1,154.70
NH3	6,640.00	153.51	136.96
NO3	141.00	3.34	2.98
Organic N	48,400.00	1,140.73	1,017.74
As	8.79	0.21	0.19
Cd	5.00	0.14	0.12
Cr	103.00	2.50	2.23
Cu	322.00	7.77	6.94
Pb	15.70	0.41	0.37
Hg	0.61	0.01	0.01
Mo	23.90	0.51	0.46
Ni	44.20	1.11	0.99
Se	29.80	0.69	0.62
Zn	755.00	18.25	16.28
PAN	5,645.00	132.76	118.45
P	0.00	34.11	30.43

FARM APPLICATION SUMMARY REPORT For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation Dis	Wet Tons Applied:	785.54
Waste Type:	WWTP Biosolids	Dry Tons Applied:	219.17
Analysis Date:	01/31/2020	Wet Metric Tons Applied:	713.11
Field Name:	YM 2-2002	Dry Metric Tons Applied:	198.96
Acreage:	53	Wet Tons/Acre Applied:	14.82
Application Method:	Surface	Dry Tons/Acre Applied:	4.14
Volume Applied:	785.54 WT	Wet Metric Tons/ha Applied:	13.45
Dry Metric Tons/ha Applied:	3.75		

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	27.90%		
TKN	56,097.00	520.01	463.94
NH3	5,960.00	55.25	49.29
NO3	137.00	1.27	1.13
Organic N	50,000.00	464.76	414.65
As	7.74	0.07	0.06
Cd	6.60	0.06	0.05
Cr	105.00	0.97	0.87
Cu	311.00	2.88	2.57
Pb	15.40	0.14	0.13
Hg	0.72	0.01	0.01
Mo	22.20	0.21	0.18
Ni	48.60	0.45	0.40
Se	31.40	0.29	0.26
Zn	751.00	6.96	6.21
PAN	5,733.00	53.27	47.53
P	82,300.00	762.91	680.65

FARM APPLICATION SUMMARY REPORT For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation	Wet Tons Applied:	3,172.67
Waste Type:	WWTP Biosolids	Dry Tons Applied:	891.53
Analysis Date:	01/31/2020	Wet Metric Tons Applied:	2,880.15
Field Name:	YM 2-161	Dry Metric Tons Applied:	809.33
Acreage:	64	Wet Tons/Acre Applied:	49.57
Application Method:	Surface	Dry Tons/Acre Applied:	13.93
Volume Applied:	3,172.67 WT	Wet Metric Tons/ha Applied:	45.00
Dry Metric Tons/ha Applied:	12.65		

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.60%		
TKN	52,680.00	1,647.93	1,470.25
NH3	6,180.00	195.86	174.74
NO3	137.00	4.28	3.82
Organic N	46,363.00	1,452.07	1,295.51
As	9.19	0.26	0.23
Cd	5.70	0.20	0.18
Cr	104.00	3.25	2.90
Cu	318.00	10.20	9.10
Pb	18.40	0.54	0.48
Hg	0.59	0.02	0.02
Mo	20.40	0.61	0.54
Ni	46.70	1.48	1.32
Se	28.40	0.86	0.77
Zn	766.00	23.26	20.75
PAN	5,391.30	169.07	150.84
P	0.00	0.00	0.00

FARM APPLICATION SUMMARY REPORT For: 01/01/2019 to 12/31/2019

Waste Source:	Los Angeles County Sanitation	Wet Tons Applied:	101.37
Waste Type:	WWTP Biosolids	Dry Tons Applied:	28.79
Analysis Date:	01/31/2020	Wet Metric Tons Applied:	92.02
Field Name:	YM 2-2001	Dry Metric Tons Applied:	26.13
Acreage:	53	Wet Tons/Acre Applied:	1.91
Application Method:	Surface	Dry Tons/Acre Applied:	0.54
Volume Applied:	101.37 WT	Wet Metric Tons/ha Applied:	1.74
Dry Metric Tons/ha Applied:	0.49		

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.40%		
TKN	54,951.00	66.91	59.70
NH3	6,910.00	8.41	7.51
NO3	141.00	0.17	0.15
Organic N	47,900.00	58.50	52.19
As	7.54	0.01	0.01
Cd	4.30	0.01	0.00
Cr	96.60	0.12	0.10
Cu	322.00	0.39	0.35
Pb	19.30	0.02	0.02
Hg	0.74	0.00	0.00
Mo	29.90	0.04	0.03
Ni	40.60	0.05	0.04
Se	29.60	0.04	0.03
Zn	706.00	0.86	0.77
PAN	5,622.00	6.86	6.12
P	0.00	0.00	0.00

Field Reports

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2302	**Wet Tons Applied:**	1,810.71
Total Acres:	50.40	**Dry Tons Applied:**	377.19
Latitude:	33 30’ 14” N	**Wet Metric Tons Applied:**	1,643.76
Longitude:	113 09’ 27” W	**Dry Metric Tons Applied:**	342.41
Crop:	Cotton	**Wet Tons/Acre Applied:**	35.93
Crop Nitrogen Usage:	250	**Dry Tons/Acre Applied:**	7.48
Application Started:	02/12/2019	**Wet Metric Tons/ha Applied:**	32.61
Seeding Date:	04/01/2019	**Dry Metric Tons/ha Applied:**	6.79
Harvesting Date:	07/01/2019	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,141.35	1,018.29	1,141.35
NH3	164.52	146.78	164.52
NO3	0.31	0.28	0.31
Organic N	976.83	871.51	976.83
As	0.10	0.09	0.10
Cd	0.03	0.03	0.03
Cr	0.59	0.53	0.59
Cu	8.51	7.59	8.51
Pb	0.29	0.26	0.29
Hg	0.01	0.01	0.01
Mo	0.27	0.24	0.27
Ni	0.37	0.33	0.37
Se	0.10	0.09	0.10
Zn	13.04	11.63	13.04
PAN	277.94	247.97	N/A
P	425.09	379.26	425.09

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2301	**Wet Tons Applied:**	1,302.20
Total Acres:	52	**Dry Tons Applied:**	266.07
Latitude:	33 30’ 23” N	**Wet Metric Tons Applied:**	1,182.14
Longitude:	113 09’ 27” W	**Dry Metric Tons Applied:**	241.54
Crop:	Cotton	**Wet Tons/Acre Applied:**	25.04
Crop Nitrogen Usage:	250	**Dry Tons/Acre Applied:**	5.12
Application Started:	02/25/2019	**Wet Metric Tons/ha Applied:**	22.73
Seeding Date:	04/01/2019	**Dry Metric Tons/ha Applied:**	4.64
Harvesting Date:	07/01/2019	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	818.44	730.19	818.44
NH3	119.78	106.86	119.78
NO3	0.24	0.21	0.24
Organic N	698.66	623.33	698.66
As	0.07	0.07	0.07
Cd	0.01	0.01	0.01
Cr	0.37	0.33	0.37
Cu	5.33	4.75	5.33
Pb	0.17	0.15	0.17
Hg	0.01	0.01	0.01
Mo	0.18	0.16	0.18
Ni	0.22	0.20	0.22
Se	0.07	0.06	0.07
Zn	8.23	7.34	8.23
PAN	199.86	178.31	N/A
P	276.91	247.06	276.91

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2307	**Wet Tons Applied:**	1,704.00
Total Acres:	49.40	**Dry Tons Applied:**	339.33
Latitude:	33 30' 23" N	**Wet Metric Tons Applied:**	1,546.89
Longitude:	113 08' 55" W	**Dry Metric Tons Applied:**	308.04
Crop:	Cotton	**Wet Tons/Acre Applied:**	34.49
Crop Nitrogen Usage:	250	**Dry Tons/Acre Applied:**	6.87
Application Started:	03/05/2019	**Wet Metric Tons/ha Applied:**	31.31
Seeding Date:	04/01/2019	**Dry Metric Tons/ha Applied:**	6.24
Harvesting Date:	12/01/2019	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,062.71	948.13	1,062.71
NH3	152.80	136.33	152.80
NO3	0.22	0.20	0.22
Organic N	909.91	811.81	909.91
As	0.11	0.10	0.11
Cd	0.02	0.01	0.02
Cr	0.55	0.49	0.55
Cu	8.59	7.67	8.59
Pb	0.28	0.25	0.28
Hg	0.01	0.01	0.01
Mo	0.25	0.22	0.25
Ni	0.32	0.28	0.32
Se	0.09	0.08	0.09
Zn	11.44	10.21	11.44
PAN	258.60	230.72	N/A
P	388.55	346.65	388.55

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2303	**Wet Tons Applied:**	1,405.13
Total Acres:	48.30	**Dry Tons Applied:**	287.43
Latitude:	33 30' 04" N	**Wet Metric Tons Applied:**	1,275.58
Longitude:	113 09' 27" W	**Dry Metric Tons Applied:**	260.93
Crop:	Cotton	**Wet Tons/Acre Applied:**	29.09
Crop Nitrogen Usage:	250	**Dry Tons/Acre Applied:**	5.95
Application Started:	03/17/2019	**Wet Metric Tons/ha Applied:**	26.41
Seeding Date:	05/01/2019	**Dry Metric Tons/ha Applied:**	5.40
Harvesting Date:	11/01/2019	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	951.95	849.31	951.95
NH3	138.53	123.59	138.53
NO3	0.28	0.25	0.28
Organic N	813.42	725.71	813.42
As	0.09	0.08	0.09
Cd	0.01	0.01	0.01
Cr	0.44	0.40	0.44
Cu	6.31	5.63	6.31
Pb	0.20	0.18	0.20
Hg	0.01	0.01	0.01
Mo	0.21	0.18	0.21
Ni	0.26	0.23	0.26
Se	0.08	0.07	0.08
Zn	9.76	8.71	9.76
PAN	232.23	207.19	N/A
P	326.11	290.95	326.11

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2309	**Wet Tons Applied:**	1,403.34
Total Acres:	49.20	**Dry Tons Applied:**	335.29
Latitude:	33 30' 04" N	**Wet Metric Tons Applied:**	1,273.95
Longitude:	113 08' 55" W	**Dry Metric Tons Applied:**	304.38
Crop:	Cotton	**Wet Tons/Acre Applied:**	28.52
Crop Nitrogen Usage:	250	**Dry Tons/Acre Applied:**	6.81
Application Started:	03/31/2019	**Wet Metric Tons/ha Applied:**	25.89
Seeding Date:	05/01/2019	**Dry Metric Tons/ha Applied:**	6.19
Harvesting Date:	11/01/2019	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	825.89	736.84	825.89
NH3	153.29	136.76	153.29
NO3	0.13	0.12	0.13
Organic N	672.60	600.08	672.60
As	0.05	0.05	0.05
Cd	0.02	0.01	0.02
Cr	0.36	0.32	0.36
Cu	4.31	3.85	4.31
Pb	0.11	0.10	0.11
Hg	0.01	0.01	0.01
Mo	0.15	0.14	0.15
Ni	0.23	0.21	0.23
Se	0.06	0.06	0.06
Zn	11.18	9.98	11.18
PAN	211.30	188.52	N/A
P	334.56	298.49	334.56

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2310	**Wet Tons Applied:**	1,595.19
Total Acres:	49.70	**Dry Tons Applied:**	394.16
Latitude:	33 29' 57" N	**Wet Metric Tons Applied:**	1,448.11
Longitude:	113 08' 55" W	**Dry Metric Tons Applied:**	357.82
Crop:	Cotton	**Wet Tons/Acre Applied:**	32.10
Crop Nitrogen Usage:	250	**Dry Tons/Acre Applied:**	7.93
Application Started:	04/01/2019	**Wet Metric Tons/ha Applied:**	29.14
Seeding Date:	02/01/2020	**Dry Metric Tons/ha Applied:**	7.20
Harvesting Date:	11/01/2020	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	954.77	851.82	954.77
NH3	194.95	173.93	194.95
NO3	0.16	0.14	0.16
Organic N	759.81	677.89	759.81
As	0.07	0.06	0.07
Cd	0.02	0.02	0.02
Cr	0.44	0.39	0.44
Cu	5.17	4.62	5.17
Pb	0.13	0.12	0.13
Hg	0.02	0.01	0.02
Mo	0.20	0.18	0.20
Ni	0.28	0.25	0.28
Se	0.08	0.07	0.08
Zn	13.79	12.31	13.79
PAN	249.60	222.69	N/A
P	400.68	357.48	400.68

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2304	**Wet Tons Applied:**	3,066.28
Total Acres:	51.20	**Dry Tons Applied:**	801.58
Latitude:	33 29' 57" N	**Wet Metric Tons Applied:**	2,783.57
Longitude:	113 09' 27" W	**Dry Metric Tons Applied:**	727.67
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	59.89
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	15.66
Application Started:	04/29/2019	**Wet Metric Tons/ha Applied:**	54.37
Seeding Date:	02/01/2020	**Dry Metric Tons/ha Applied:**	14.21
Harvesting Date:	11/01/2020	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,931.80	1,723.51	1,931.80
NH3	277.33	247.43	277.33
NO3	2.80	2.50	2.80
Organic N	1,654.47	1,476.09	1,654.47
As	0.20	0.18	0.20
Cd	0.14	0.13	0.14
Cr	2.41	2.15	2.41
Cu	10.31	9.19	10.31
Pb	0.41	0.36	0.41
Hg	0.03	0.03	0.03
Mo	0.60	0.53	0.60
Ni	1.18	1.05	1.18
Se	0.68	0.60	0.68
Zn	26.03	23.23	26.03
PAN	472.36	421.43	N/A
P	1,941.81	1,732.45	1,941.81

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2305	**Wet Tons Applied:**	1,639.89
Total Acres:	51	**Dry Tons Applied:**	430.58
Latitude:	33 29' 46" N	**Wet Metric Tons Applied:**	1,488.69
Longitude:	113 09' 29" W	**Dry Metric Tons Applied:**	390.88
Crop:	Cotton	**Wet Tons/Acre Applied:**	32.15
Crop Nitrogen Usage:	250	**Dry Tons/Acre Applied:**	8.44
Application Started:	05/14/2019	**Wet Metric Tons/ha Applied:**	29.19
Seeding Date:	02/01/2020	**Dry Metric Tons/ha Applied:**	7.66
Harvesting Date:	11/01/2020	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,039.07	927.04	1,039.07
NH3	141.94	126.63	141.94
NO3	1.64	1.46	1.64
Organic N	897.14	800.41	897.14
As	0.11	0.10	0.11
Cd	0.08	0.07	0.08
Cr	1.38	1.23	1.38
Cu	5.56	4.96	5.56
Pb	0.23	0.20	0.23
Hg	0.02	0.01	0.02
Mo	0.33	0.29	0.33
Ni	0.67	0.60	0.67
Se	0.39	0.35	0.39
Zn	14.00	12.49	14.00
PAN	252.03	224.86	N/A
P	1,108.48	988.96	1,108.48

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2407	**Wet Tons Applied:**	3,887.85
Total Acres:	68.50	**Dry Tons Applied:**	1,006.81
Latitude:	33 29' 40"N	**Wet Metric Tons Applied:**	3,529.39
Longitude:	113 08' 00" W	**Dry Metric Tons Applied:**	913.99
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	56.76
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	14.70
Application Started:	05/23/2019	**Wet Metric Tons/ha Applied:**	51.52
Seeding Date:	02/01/2020	**Dry Metric Tons/ha Applied:**	13.34
Harvesting Date:	11/01/2020	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,828.96	1,631.77	1,828.96
NH3	292.68	261.12	292.68
NO3	1.25	1.11	1.25
Organic N	1,536.28	1,370.64	1,536.28
As	0.22	0.19	0.22
Cd	0.12	0.10	0.12
Cr	2.40	2.14	2.40
Cu	10.93	9.75	10.93
Pb	0.43	0.39	0.43
Hg	0.03	0.02	0.03
Mo	0.60	0.54	0.60
Ni	1.14	1.02	1.14
Se	0.59	0.52	0.59
Zn	23.97	21.39	23.97
PAN	454.60	405.58	N/A
P	1,009.31	900.48	1,009.31

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2401	**Wet Tons Applied:**	1,707.25
Total Acres:	47.40	**Dry Tons Applied:**	435.60
Latitude:	33 29' 45"N	**Wet Metric Tons Applied:**	1,549.84
Longitude:	113 08' 33" W	**Dry Metric Tons Applied:**	395.44
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	36.02
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	9.19
Application Started:	06/10/2019	**Wet Metric Tons/ha Applied:**	32.70
Seeding Date:	11/01/2019	**Dry Metric Tons/ha Applied:**	8.34
Harvesting Date:	05/01/2020	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,163.35	1,037.92	1,163.35
NH3	211.60	188.79	211.60
NO3	0.01	0.01	0.01
Organic N	951.74	849.13	951.74
As	0.15	0.14	0.15
Cd	0.06	0.05	0.06
Cr	1.58	1.41	1.58
Cu	7.76	6.93	7.76
Pb	0.31	0.28	0.31
Hg	0.02	0.01	0.02
Mo	0.41	0.37	0.41
Ni	0.74	0.66	0.74
Se	0.34	0.30	0.34
Zn	14.69	13.11	14.69
PAN	296.16	264.23	N/A
P	182.20	162.55	182.20

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2406	**Wet Tons Applied:**	3,260.55
Total Acres:	70.80	**Dry Tons Applied:**	822.40
Latitude:	33 29' 47"N	**Wet Metric Tons Applied:**	2,959.93
Longitude:	113 08' 00" W	**Dry Metric Tons Applied:**	746.58
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	46.05
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	11.62
Application Started:	06/17/2019	**Wet Metric Tons/ha Applied:**	41.81
Seeding Date:	11/01/2019	**Dry Metric Tons/ha Applied:**	10.54
Harvesting Date:	05/01/2020	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,472.32	1,313.57	1,472.32
NH3	273.80	244.28	273.80
NO3	0.02	0.02	0.02
Organic N	1,198.52	1,069.29	1,198.52
As	0.19	0.17	0.19
Cd	0.07	0.07	0.07
Cr	1.92	1.71	1.92
Cu	9.81	8.75	9.81
Pb	0.38	0.34	0.38
Hg	0.02	0.02	0.02
Mo	0.51	0.45	0.51
Ni	0.90	0.80	0.90
Se	0.40	0.36	0.40
Zn	18.43	16.44	18.43
PAN	376.62	336.01	N/A
P	248.58	221.78	248.58

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2402	**Wet Tons Applied:**	4,700.30
Total Acres:	73.70	**Dry Tons Applied:**	1,179.36
Latitude:	33 30' 23"N	**Wet Metric Tons Applied:**	4,266.93
Longitude:	113 08' 00" W	**Dry Metric Tons Applied:**	1,070.63
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	63.78
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	16.00
Application Started:	07/01/2019	**Wet Metric Tons/ha Applied:**	57.90
Seeding Date:		**Dry Metric Tons/ha Applied:**	14.53
Harvesting Date:		**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,951.46	1,741.05	1,951.46
NH3	381.74	340.58	381.74
NO3	3.05	2.72	3.05
Organic N	1,569.72	1,400.47	1,569.72
As	0.24	0.22	0.24
Cd	0.10	0.09	0.10
Cr	2.39	2.13	2.39
Cu	13.68	12.20	13.68
Pb	0.61	0.54	0.61
Hg	0.03	0.03	0.03
Mo	0.85	0.76	0.85
Ni	1.10	0.99	1.10
Se	0.80	0.71	0.80
Zn	26.27	23.44	26.27
PAN	507.25	452.56	N/A
P	314.26	280.37	314.26

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2502	**Wet Tons Applied:**	3,845.76
Total Acres:	71.10	**Dry Tons Applied:**	964.97
Latitude:	33 29' 14"N	**Wet Metric Tons Applied:**	3,491.18
Longitude:	113 08' 25" W	**Dry Metric Tons Applied:**	876.00
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	54.09
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	13.57
Application Started:	07/24/2019	**Wet Metric Tons/ha Applied:**	49.10
Seeding Date:		**Dry Metric Tons/ha Applied:**	12.32
Harvesting Date:		**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,497.34	1,335.90	1,497.34
NH3	237.55	211.94	237.55
NO3	2.70	2.41	2.70
Organic N	1,259.79	1,123.96	1,259.79
As	0.18	0.16	0.18
Cd	0.09	0.08	0.09
Cr	2.00	1.78	2.00
Cu	9.70	8.65	9.70
Pb	0.47	0.42	0.47
Hg	0.02	0.02	0.02
Mo	0.69	0.62	0.69
Ni	0.92	0.82	0.92
Se	0.69	0.62	0.69
Zn	20.36	18.17	20.36
PAN	372.89	332.69	N/A
P	178.54	159.29	178.54

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-2501	**Wet Tons Applied:**	2,395.96
Total Acres:	77.50	**Dry Tons Applied:**	612.64
Latitude:	33 29' 28"N	**Wet Metric Tons Applied:**	2,175.05
Longitude:	113 08' 25" W	**Dry Metric Tons Applied:**	556.15
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	30.92
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	7.91
Application Started:	08/11/2019	**Wet Metric Tons/ha Applied:**	28.07
Seeding Date:		**Dry Metric Tons/ha Applied:**	7.18
Harvesting Date:		**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	845.75	754.56	845.75
NH3	112.89	100.72	112.89
NO3	1.73	1.54	1.73
Organic N	732.86	653.84	732.86
As	0.10	0.09	0.10
Cd	0.06	0.05	0.06
Cr	1.23	1.10	1.23
Cu	5.19	4.63	5.19
Pb	0.27	0.24	0.27
Hg	0.01	0.01	0.01
Mo	0.41	0.37	0.41
Ni	0.55	0.49	0.55
Se	0.44	0.40	0.44
Zn	11.64	10.39	11.64
PAN	204.40	182.36	N/A
P	71.74	64.01	71.74

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-1104	**Wet Tons Applied:**	4,920.38
Total Acres:	68	**Dry Tons Applied:**	1,211.36
Latitude:	33 31' 40"N	**Wet Metric Tons Applied:**	4,466.72
Longitude:	113 09' 00" W	**Dry Metric Tons Applied:**	1,099.67
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	72.36
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	17.81
Application Started:	08/22/2019	**Wet Metric Tons/ha Applied:**	65.69
Seeding Date:		**Dry Metric Tons/ha Applied:**	16.17
Harvesting Date:		**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,768.20	1,577.56	1,768.20
NH3	239.04	213.26	239.04
NO3	3.49	3.12	3.49
Organic N	1,529.17	1,364.29	1,529.17
As	0.20	0.18	0.20
Cd	0.11	0.10	0.11
Cr	2.51	2.24	2.51
Cu	11.06	9.86	11.06
Pb	0.56	0.50	0.56
Hg	0.03	0.02	0.03
Mo	0.85	0.76	0.85
Ni	1.14	1.02	1.14
Se	0.88	0.79	0.88
Zn	24.21	21.60	24.21
PAN	428.15	381.98	N/A
P	163.48	145.85	163.48

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-1008	**Wet Tons Applied:**	6,160.24
Total Acres:	60.90	**Dry Tons Applied:**	1,540.78
Latitude:	33 31' 26"N	**Wet Metric Tons Applied:**	5,592.27
Longitude:	113 10' 00" W	**Dry Metric Tons Applied:**	1,398.72
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	101.15
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	25.30
Application Started:	09/12/2019	**Wet Metric Tons/ha Applied:**	91.83
Seeding Date:		**Dry Metric Tons/ha Applied:**	22.97
Harvesting Date:		**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	2,592.46	2,312.94	2,592.46
NH3	324.75	289.74	324.75
NO3	5.48	4.89	5.48
Organic N	2,267.71	2,023.21	2,267.71
As	0.31	0.28	0.31
Cd	0.20	0.18	0.20
Cr	2.45	2.19	2.45
Cu	16.87	15.05	16.87
Pb	0.79	0.70	0.79
Hg	0.04	0.03	0.04
Mo	1.21	1.08	1.21
Ni	1.75	1.56	1.75
Se	1.42	1.27	1.42
Zn	36.76	32.80	36.76
PAN	620.30	553.42	N/A
P	192.67	171.90	192.67

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-1403	**Wet Tons Applied:**	1,712.58
Total Acres:	59.60	**Dry Tons Applied:**	425.63
Latitude:	33 30' 45"N	**Wet Metric Tons Applied:**	1,554.68
Longitude:	113 09' 27" W	**Dry Metric Tons Applied:**	386.39
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	28.73
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	7.14
Application Started:	10/18/2019	**Wet Metric Tons/ha Applied:**	26.09
Seeding Date:		**Dry Metric Tons/ha Applied:**	6.48
Harvesting Date:		**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	740.45	660.62	740.45
NH3	85.18	75.99	85.18
NO3	1.45	1.29	1.45
Organic N	655.28	584.62	655.28
As	0.08	0.08	0.08
Cd	0.07	0.06	0.07
Cr	0.07	0.06	0.07
Cu	5.09	4.54	5.09
Pb	0.19	0.17	0.19
Hg	0.01	0.01	0.01
Mo	0.30	0.27	0.30
Ni	0.49	0.44	0.49
Se	0.45	0.40	0.45
Zn	11.41	10.18	11.41
PAN	174.80	155.96	N/A
P	74.79	66.73	74.79

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 7-1406	**Wet Tons Applied:**	1,037.17
Total Acres:	50.10	**Dry Tons Applied:**	266.62
Latitude:	33 31' 05"N	**Wet Metric Tons Applied:**	941.54
Longitude:	113 08' 55" W	**Dry Metric Tons Applied:**	242.03
Crop:	Alfalfa	**Wet Tons/Acre Applied:**	20.70
Crop Nitrogen Usage:	600	**Dry Tons/Acre Applied:**	5.32
Application Started:	11/04/2019	**Wet Metric Tons/ha Applied:**	18.79
Seeding Date:		**Dry Metric Tons/ha Applied:**	4.83
Harvesting Date:		**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	552.46	492.90	552.46
NH3	62.83	56.06	62.83
NO3	1.13	1.01	1.13
Organic N	489.63	436.84	489.63
As	0.07	0.06	0.07
Cd	0.05	0.05	0.05
Cr	0.05	0.04	0.05
Cu	3.87	3.46	3.87
Pb	0.15	0.14	0.15
Hg	0.01	0.01	0.01
Mo	0.23	0.21	0.23
Ni	0.38	0.34	0.38
Se	0.35	0.31	0.35
Zn	8.53	7.61	8.53
PAN	130.25	116.21	N/A
P	50.62	45.16	50.62

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 5-6	**Wet Tons Applied:**	14,367.35
Total Acres:	277	**Dry Tons Applied:**	3,556.18
Latitude:	33 21' 20" N	**Wet Metric Tons Applied:**	13,042.68
Longitude:	113 09' 30" W	**Dry Metric Tons Applied:**	3,228.30
Crop:	Cotton+Cotton	**Wet Tons/Acre Applied:**	51.87
Crop Nitrogen Usage:	500	**Dry Tons/Acre Applied:**	12.84
Application Started:	01/10/2019	**Wet Metric Tons/ha Applied:**	47.09
Seeding Date:	02/01/2019	**Dry Metric Tons/ha Applied:**	11.65
Harvesting Date:	04/01/2019	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,477.16	1,317.89	1,477.16
NH3	187.70	167.46	187.70
NO3	2.47	2.20	2.47
Organic N	1,289.45	1,150.43	1,289.45
As	0.18	0.16	0.18
Cd	0.10	0.09	0.10
Cr	1.23	1.10	1.23
Cu	9.51	8.49	9.51
Pb	0.38	0.34	0.38
Hg	0.02	0.01	0.02
Mo	0.54	0.48	0.54
Ni	0.88	0.78	0.88
Se	0.63	0.57	0.63
Zn	19.67	17.55	19.67
PAN	354.21	316.02	N/A
P	202.48	180.65	202.48

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	MA 5-5	**Wet Tons Applied:**	7,623.21
Total Acres:	275	**Dry Tons Applied:**	1,823.30
Latitude:	33 21' 20" N	**Wet Metric Tons Applied:**	6,920.35
Longitude:	113 09' 56" W	**Dry Metric Tons Applied:**	1,655.19
Crop:	Cotton	**Wet Tons/Acre Applied:**	27.72
Crop Nitrogen Usage:	250	**Dry Tons/Acre Applied:**	6.63
Application Started:	01/01/2019	**Wet Metric Tons/ha Applied:**	25.16
Seeding Date:	04/01/2019	**Dry Metric Tons/ha Applied:**	6.02
Harvesting Date:	11/01/2019	**Residual N (lbs/Acre):**	0.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	645.89	576.25	645.89
NH3	81.90	73.07	81.90
NO3	1.07	0.95	1.07
Organic N	563.99	503.18	563.99
As	0.07	0.06	0.07
Cd	0.05	0.04	0.05
Cr	0.36	0.32	0.36
Cu	4.21	3.76	4.21
Pb	0.16	0.14	0.16
Hg	0.01	0.01	0.01
Mo	0.24	0.21	0.24
Ni	0.39	0.35	0.39
Se	0.31	0.27	0.31
Zn	9.25	8.25	9.25
PAN	154.82	138.12	N/A
P	89.15	79.54	89.15

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	YM 2-30	**Wet Tons Applied:**	14,037.30
Total Acres:	191.30	**Dry Tons Applied:**	3,695.11
Latitude:	32 42' 33" N	**Wet Metric Tons Applied:**	12,743.06
Longitude:	114 5' 49" W	**Dry Metric Tons Applied:**	3,354.42
Crop:	Bermuda	**Wet Tons/Acre Applied:**	73.38
Crop Nitrogen Usage:	500	**Dry Tons/Acre Applied:**	19.32
Application Started:	01/01/2019	**Wet Metric Tons/ha Applied:**	66.61
Seeding Date:	04/01/2019	**Dry Metric Tons/ha Applied:**	17.53
Harvesting Date:	10/01/2019	**Residual N (lbs/Acre):**	38.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	2,309.26	2,060.27	2,309.26
NH3	350.90	313.07	350.90
NO3	4.44	3.96	4.44
Organic N	1,958.36	1,747.21	1,958.36
As	0.32	0.28	0.51
Cd	0.16	0.14	0.24
Cr	3.63	3.24	5.03
Cu	15.96	14.24	35.66
Pb	0.58	0.52	1.30
Hg	0.02	0.02	0.04
Mo	0.82	0.73	1.57
Ni	1.82	1.62	2.74
Se	0.83	0.74	1.00
Zn	34.00	30.34	68.98
PAN	235.36	209.99	N/A
P	665.44	593.69	665.44

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	YM 2-2001	**Wet Tons Applied:**	1,943.90
Total Acres:	53	**Dry Tons Applied:**	512.93
Latitude:	32 25' 54" N"	**Wet Metric Tons Applied:**	1,764.67
Longitude:	113 33' 22" W"	**Dry Metric Tons Applied:**	465.63
Crop:	Wheat Hay	**Wet Tons/Acre Applied:**	36.68
Crop Nitrogen Usage:	175	**Dry Tons/Acre Applied:**	9.68
Application Started:	07/25/2019	**Wet Metric Tons/ha Applied:**	33.30
Seeding Date:		**Dry Metric Tons/ha Applied:**	8.79
Harvesting Date:		**Residual N (lbs/Acre):**	53.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,051.01	937.69	1,051.01
NH3	142.64	127.26	142.64
NO3	0.60	0.53	0.60
Organic N	908.37	810.43	908.37
As	0.06	0.05	0.85
Cd	0.02	0.02	0.43
Cr	0.89	0.80	8.25
Cu	10.60	9.45	81.13
Pb	0.24	0.22	3.16
Hg	0.01	0.01	0.19
Mo	0.30	0.27	2.14
Ni	0.50	0.45	6.13
Se	0.13	0.12	0.61
Zn	16.76	14.95	141.36
PAN	105.70	94.30	N/A
P	5.89	5.26	5.89

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Permit:

Field Name:	YM 2-161	**Wet Tons Applied:**	4,784.30
Total Acres:	64	**Dry Tons Applied:**	1,269.83
Latitude:	32 43' 45"N"	**Wet Metric Tons Applied:**	4,343.19
Longitude:	114 6' 50"W"	**Dry Metric Tons Applied:**	1,152.75
Crop:	Bermuda	**Wet Tons/Acre Applied:**	74.75
Crop Nitrogen Usage:	500	**Dry Tons/Acre Applied:**	19.84
Application Started:	03/31/2019	**Wet Metric Tons/ha Applied:**	67.86
Seeding Date:	02/01/2019	**Dry Metric Tons/ha Applied:**	18.01
Harvesting Date:	06/30/2019	**Residual N (lbs/Acre):**	28.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	2,360.91	2,106.36	2,360.91
NH3	297.52	265.44	297.52
NO3	4.89	4.36	4.89
Organic N	2,063.40	1,840.92	2,063.40
As	0.31	0.28	0.91
Cd	0.22	0.19	0.45
Cr	4.01	3.57	9.54
Cu	14.96	13.34	71.33
Pb	0.64	0.57	2.61
Hg	0.02	0.02	0.13
Mo	0.81	0.73	2.72
Ni	1.94	1.73	5.41
Se	0.97	0.86	1.47
Zn	33.55	29.93	130.67
PAN	240.98	215.00	N/A
P	389.37	347.39	389.37

Denali WATER SOLUTIONS

FIELD APPLICATION SUMMARY REPORT

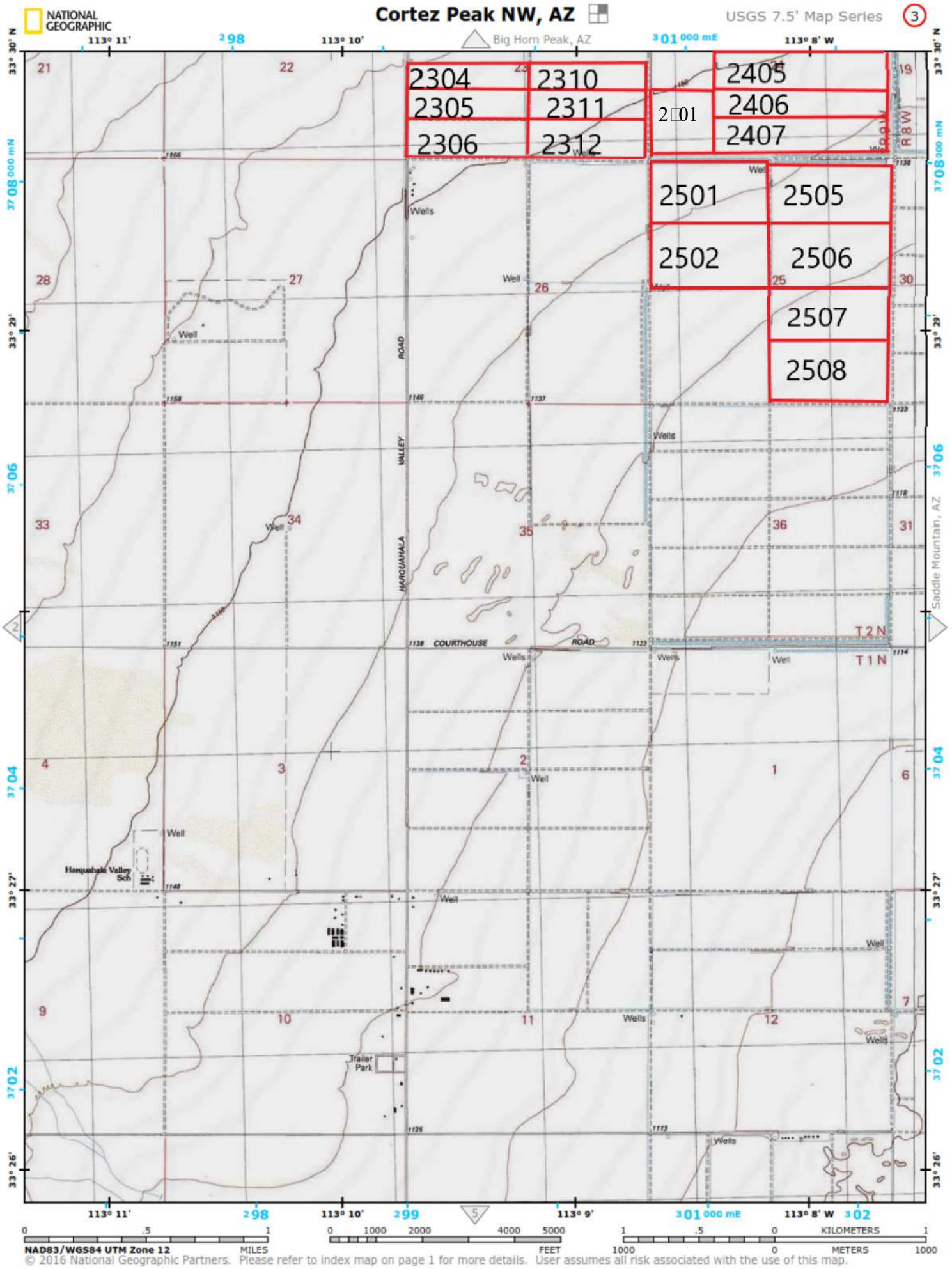
For: 01/01/2019 to 12/31/2019

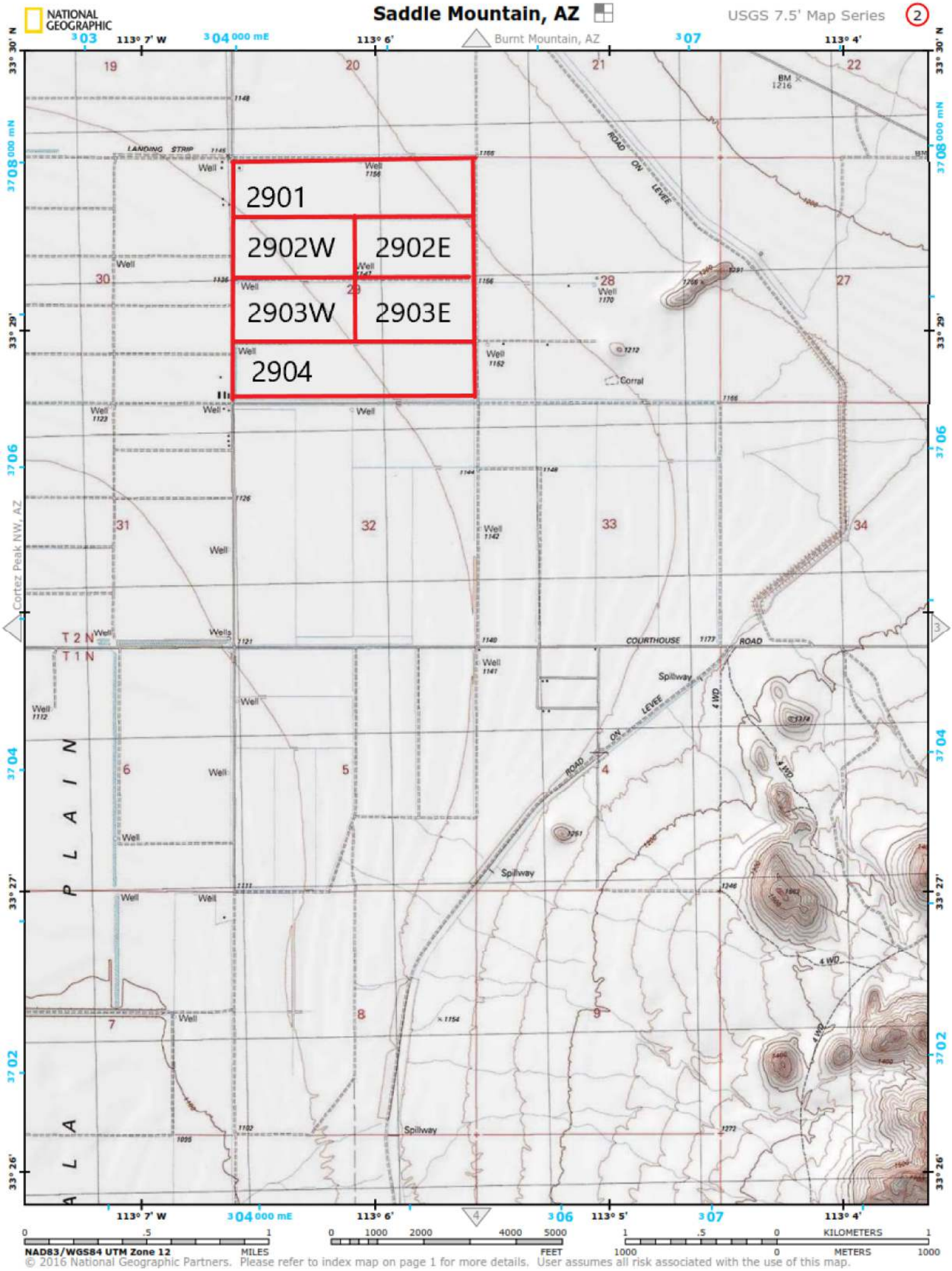
Permit:

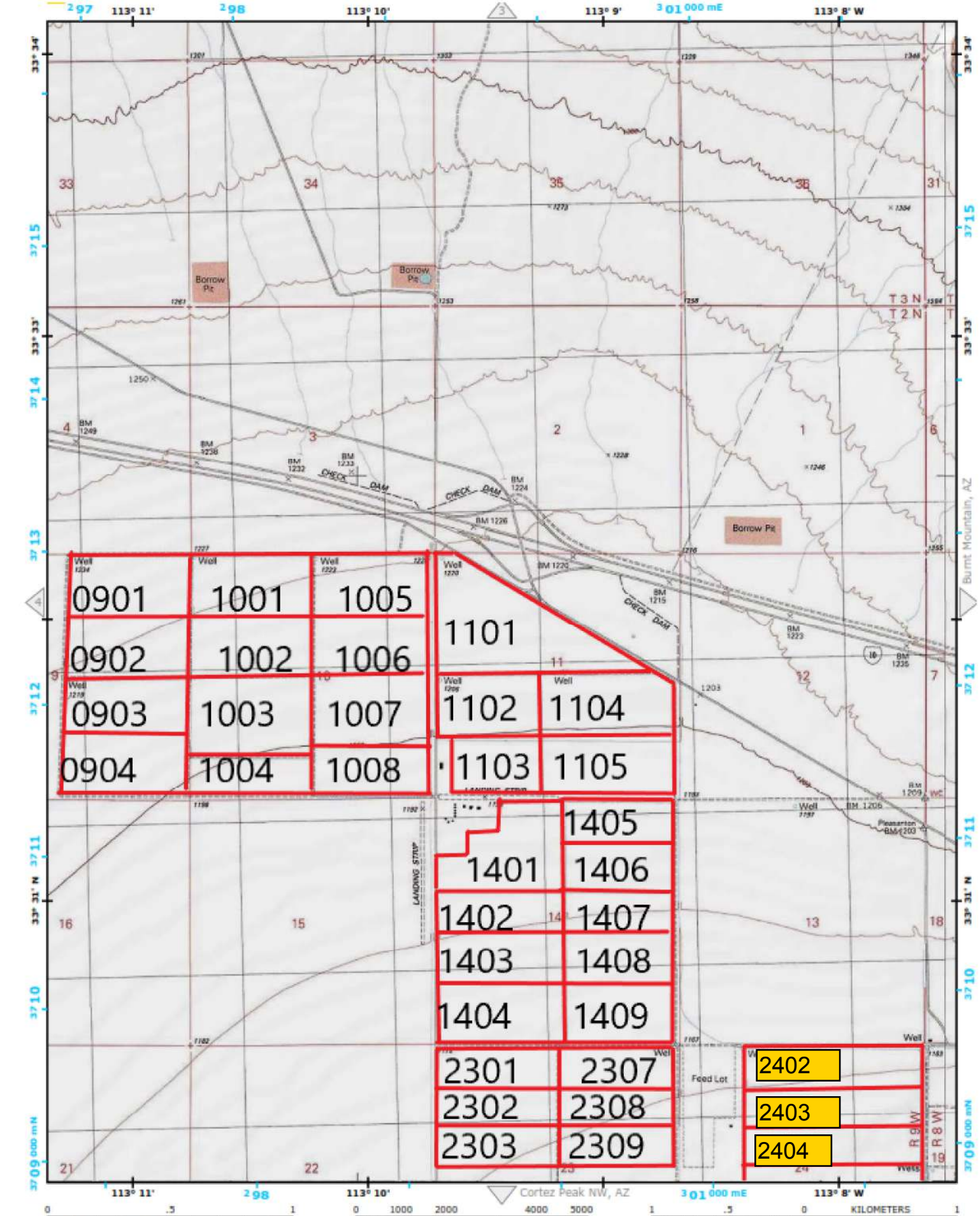
Field Name:	YM 2-2002	**Wet Tons Applied:**	3,217.84
Total Acres:	53	**Dry Tons Applied:**	1,011.02
Latitude:	32 25' 55" N"	**Wet Metric Tons Applied:**	2,921.16
Longitude:	113 33' 22" W"	**Dry Metric Tons Applied:**	917.80
Crop:	Bermuda	**Wet Tons/Acre Applied:**	60.71
Crop Nitrogen Usage:	500	**Dry Tons/Acre Applied:**	19.08
Application Started:	05/01/2019	**Wet Metric Tons/ha Applied:**	55.12
Seeding Date:	09/01/2019	**Dry Metric Tons/ha Applied:**	17.32
Harvesting Date:	02/01/2020	**Residual N (lbs/Acre):**	20.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)*	Kilograms Applied Project to Date (kg/ha)
TKN	1,943.31	1,733.79	1,943.31
NH3	257.45	229.70	257.45
NO3	1.79	1.60	1.79
Organic N	1,685.86	1,504.09	1,685.86
As	0.16	0.15	0.86
Cd	0.10	0.09	0.33
Cr	2.35	2.09	8.37
Cu	19.71	17.59	74.41
Pb	0.47	0.42	2.58
Hg	0.03	0.02	0.16
Mo	0.67	0.60	2.41
Ni	1.14	1.02	5.60
Se	0.42	0.37	0.78
Zn	33.02	29.46	133.33
PAN	196.12	174.98	N/A
P	922.08	822.66	922.08

Field Maps







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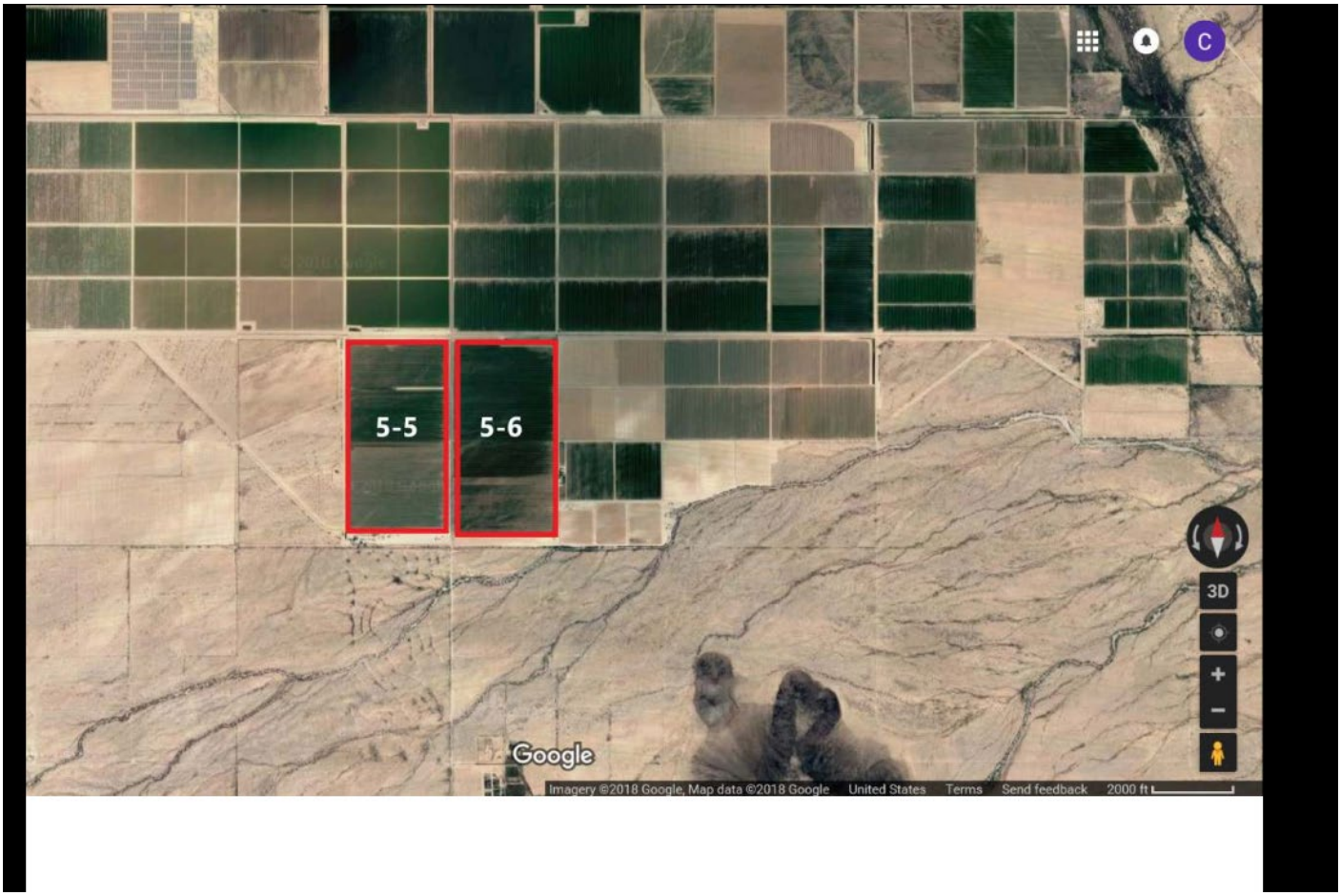
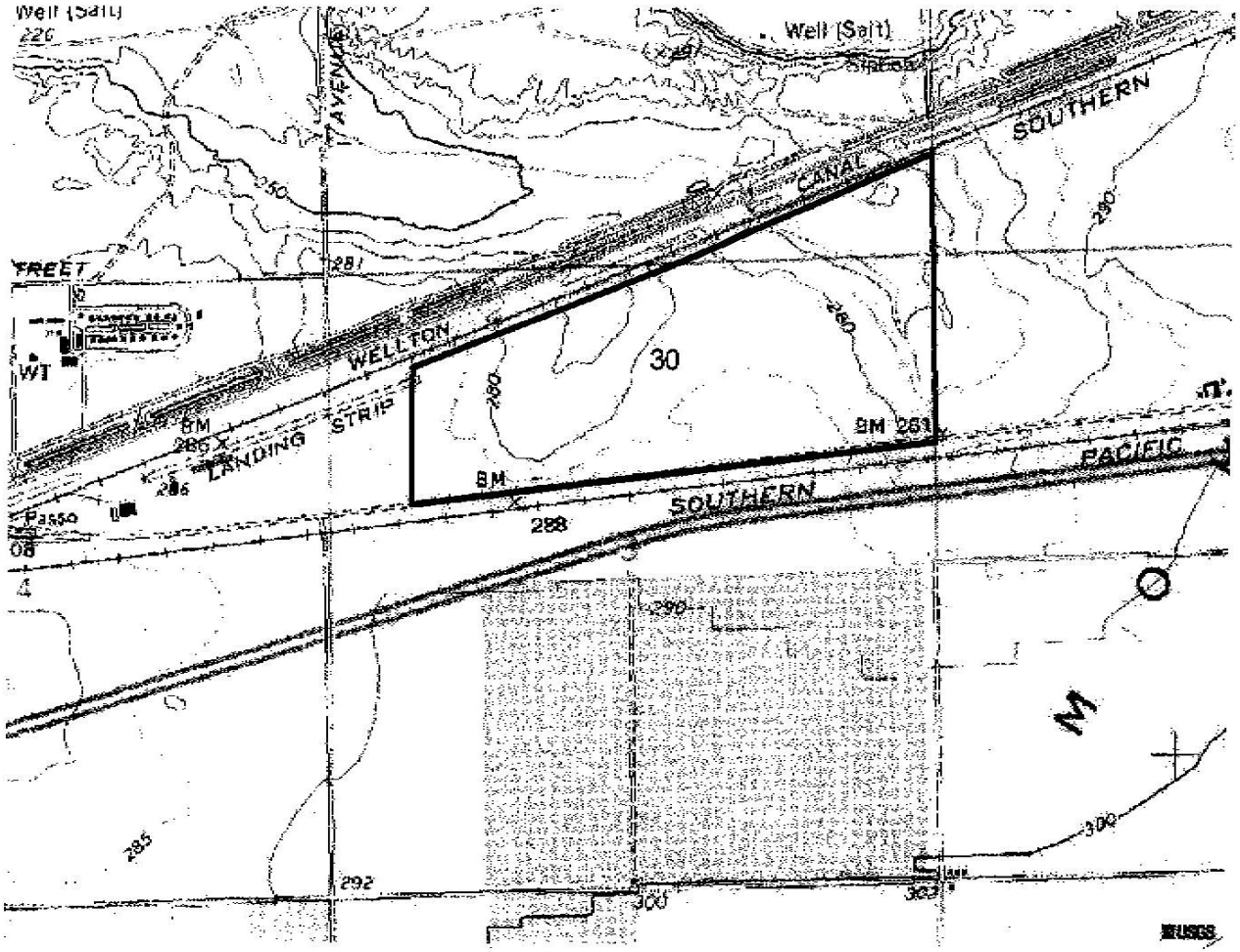
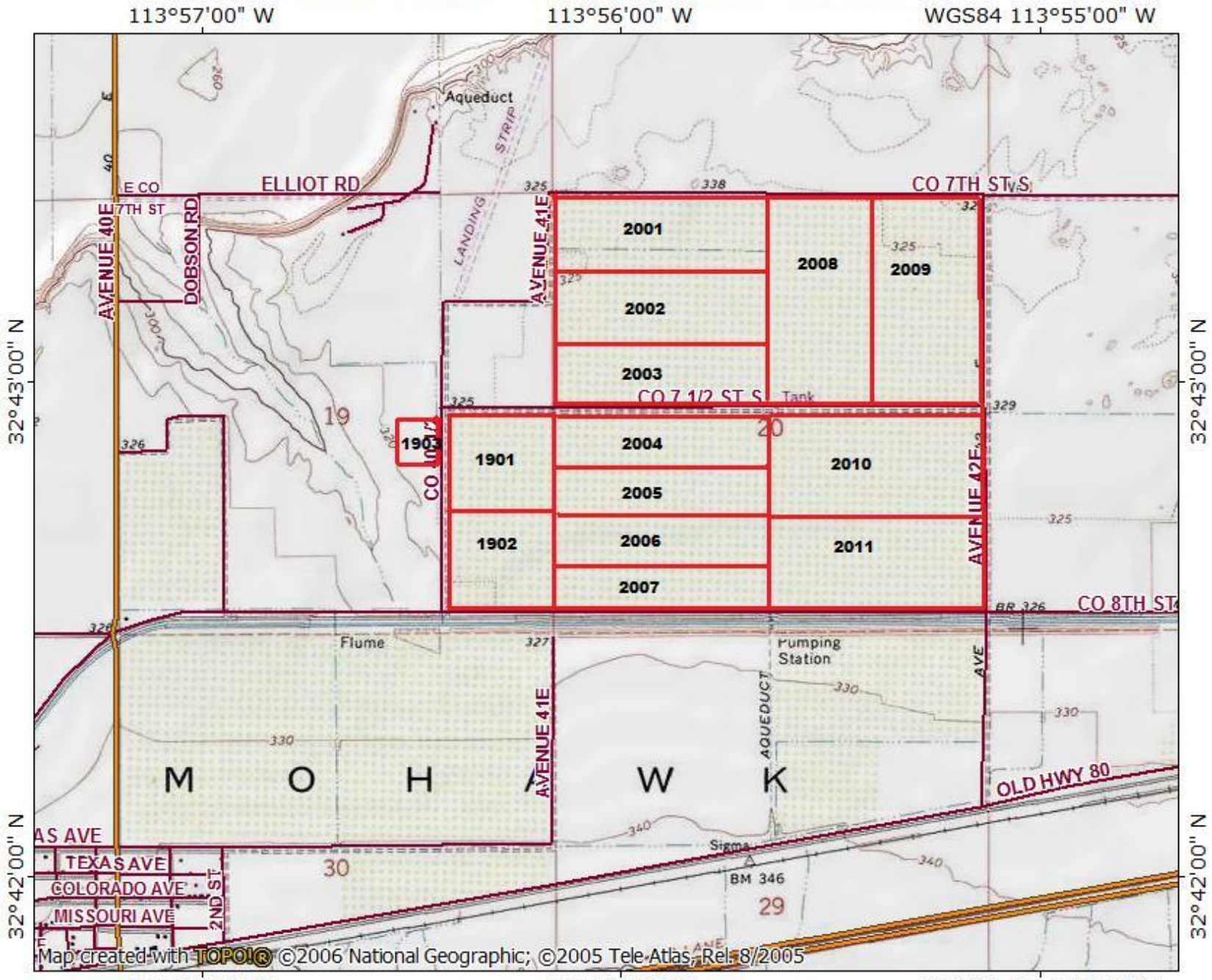
Fallow	334.32
Stack Yard	6.75
TOTAL	1,086.77



Cullison Farm
Section 3, T9S, R18W

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113°56'00" W
WGS84 113°55'00" W
32°43'00" N
32°42'00" N
Aqueduct
STRIP
LANDING
E CO
7TH ST
ELLIOT RD
CO 7TH ST S
AVENUE 40E
DOBSON RD
AVENUE 41E
2001
2002
2003
2008
2009
CO 7 1/2 ST S
Tank
19
20
1903
1901
1902
2004
2005
2006
2007
2010
2011
AVENUE 42E
CO 8TH ST
BR 326
Flume
Pumping Station
AQUEDUCT
AVE
M O H A W K
OLD HWY 80
AS AVE
TEXAS AVE
COLORADO AVE
MISSOURI AVE
2ND ST
30
29
Sigma
BM 346
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02/23/10

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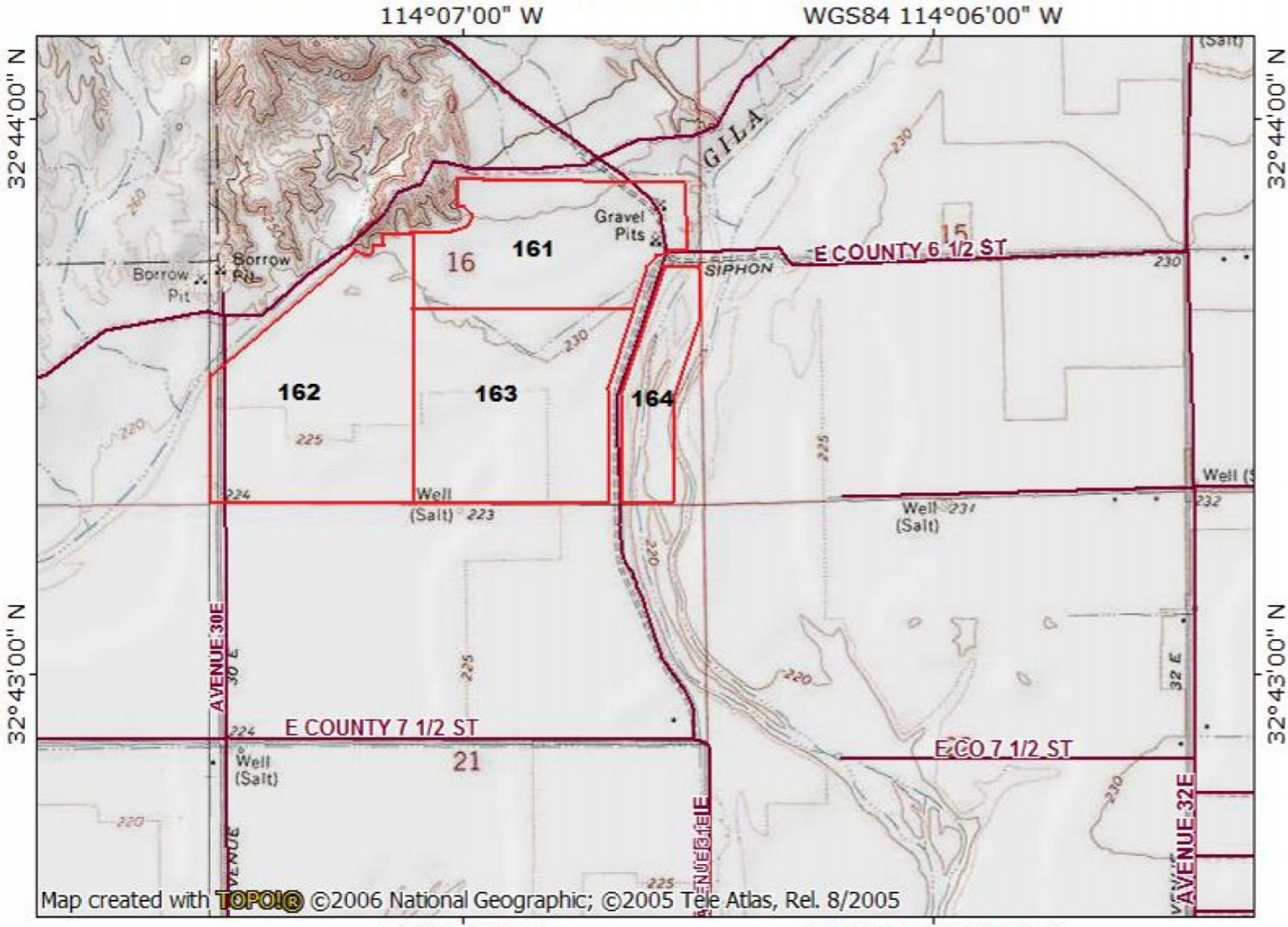

NATIONAL GEOGRAPHIC

0 .5 1 MILES

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1 .5 0 KILOMETERS 1

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12/04/09

Certification Statements

Solid Solutions
A Denali Water Solutions company
3031 Franklin Ave
Riverside, CA 92507

Arizona
Biosolids Land Application
2019

Certification Statement

"I certify under penalty of law that the information used to determine compliance with the management practices in 503.14, the general requirement in 503.12, and the site restrictions in 503.32(b)(5) was prepared under direction and supervision in accordance with the system designed to ensure that qualified personnel gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

By:  Date: 01/31/20

Denali WATER SOLUTIONS

SOURCE APPLICATION SUMMARY REPORT

For: 01/01/2019 to 12/31/2019

Source: Los Angeles County Sanitation Distr

Application Site	Field No	Acres	Dry Tons Applied	Preparer	Pathogen Treatment Method	Vector Attraction Reduction	Dry Tons Applied/	N (kg/ha)	Crop	Agronomic Rate	Concentration of Pollutants (kg/ha)									
											As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
M&M Farms	MA 5-5	275	887.28	s County Sanitat	Class B, Alt	Option 1	3.23	0.00	Cotton	250	0.06	0.04	0.27	2.54	0.11	0.00	0.18	0.31	0.24	5.68
M&M Farms	MA 5-6	277	2,034.58	s County Sanitat	Class B, Alt	Option 1	7.35	0.00	Cotton+Cotton	500	0.13	0.09	0.98	5.62	0.26	0.01	0.40	0.71	0.53	12.76
Broken Wing Farms	MA 7-1008	61	1,049.53	s County Sanitat	Class B, Alt	Option 1	17.23	0.00	Alfalfa	600	0.29	0.19	2.27	13.08	0.68	0.03	1.07	1.58	1.23	28.60
Broken Wing Farms	MA 7-1104	68	740.29	s County Sanitat	Class B, Alt	Option 1	10.89	0.00	Alfalfa	600	0.18	0.10	2.36	7.86	0.47	0.02	0.73	0.99	0.72	17.23
Broken Wing Farms	MA 7-1403	60	266.50	s County Sanitat	Class B, Alt	Option 1	4.47	0.00	Alfalfa	600	0.07	0.06	0.00	3.73	0.16	0.01	0.25	0.42	0.36	8.13
Broken Wing Farms	MA 7-1406	50	175.76	s County Sanitat	Class B, Alt	Option 1	3.51	0.00	Alfalfa	600	0.06	0.05	0.00	2.93	0.12	0.00	0.19	0.33	0.28	6.38
Broken Wing Farms	MA 7-2304	51	444.99	s County Sanitat	Class B, Alt	Option 1	8.69	0.00	Alfalfa	600	0.15	0.13	2.05	6.06	0.30	0.01	0.43	0.95	0.61	14.63
Broken Wing Farms	MA 7-2305	51	262.38	s County Sanitat	Class B, Alt	Option 1	5.14	0.00	Cotton	250	0.09	0.08	1.21	3.59	0.18	0.01	0.26	0.56	0.36	8.66
Broken Wing Farms	MA 7-2401	47	274.59	s County Sanitat	Class B, Alt	Option 1	5.79	0.00	Alfalfa	600	0.11	0.06	1.38	4.03	0.20	0.01	0.32	0.62	0.33	9.31
Broken Wing Farms	MA 7-2402	74	697.56	s County Sanitat	Class B, Alt	Option 1	9.46	0.00	Alfalfa	600	0.16	0.09	2.05	6.83	0.41	0.02	0.63	0.86	0.63	14.98
Broken Wing Farms	MA 7-2403	73	188.98	s County Sanitat	Class B, Alt	Option 1	2.58	0.00	Alfalfa	600	0.04	0.04	0.00	2.15	0.09	0.00	0.14	0.25	0.21	4.69
Broken Wing Farms	MA 7-2406	71	489.04	s County Sanitat	Class B, Alt	Option 1	6.91	0.00	Alfalfa	600	0.13	0.07	1.64	4.80	0.24	0.01	0.38	0.74	0.39	11.10
Broken Wing Farms	MA 7-2407	69	611.71	s County Sanitat	Class B, Alt	Option 1	8.93	0.00	Alfalfa	600	0.16	0.11	2.07	6.08	0.30	0.01	0.46	0.94	0.55	14.34
Broken Wing Farms	MA 7-2501	78	416.96	s County Sanitat	Class B, Alt	Option 1	5.38	0.00	Alfalfa	600	0.09	0.05	1.17	3.88	0.23	0.01	0.36	0.49	0.36	8.51
Broken Wing Farms	MA 7-2502	71	597.27	s County Sanitat	Class B, Alt	Option 1	8.40	0.00	Alfalfa	600	0.14	0.08	1.82	6.06	0.36	0.01	0.56	0.76	0.56	13.29

* This report only represents the volumes of the specified source. Other sources may have been applied to these fields during this date range.

Lancaster WRP Influent Monitoring

Lancaster Water Reclamation Plant
2019 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	0.343									
Ammonia as nitrogen	mg/L	35.4			35.4			34.7			35.0
Anthracene	ug/L	ND									
Antimony	mg/L	0.00067									
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	0.00265									
Barium	mg/L	0.0543									
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. 5.5									

Lancaster Water Reclamation Plant
2019 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	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.20	20.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.19	100
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.13	200
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.18	100
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	0.92	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.10	200
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.63	100
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.88	40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	2.8	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.27	100
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.21	200
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.28	100
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.44	20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	0.81	100
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.27	100
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.32	100
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	0.10
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4'-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.22	20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Acrolein	ug/L			ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.50	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.002	0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.0005	0.10
Aluminum	mg/L			0.343	0.343	0.343	EPA 200.8		0.00170	0.0100
Ammonia as nitrogen	mg/L		34.7	34.7	35.0	35.4	SM 4500 NH3 G		0.020	3.00 - 5.00
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Antimony	mg/L			0.00067	0.00067	0.00067	EPA 200.8	0.0005	0.00007	0.00050
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.03	1.0
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.1	3.0
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.04	1.0
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.03	1.0
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.5
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.02	1.0
Arsenic	mg/L			0.00265	0.00265	0.00265	EPA 200.8	0.002	0.00006	0.00100
Barium	mg/L			0.0543	0.0543	0.0543	EPA 200.8		0.00006	0.00050
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.8	100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	0.14	100
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.22	200
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.12	100
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Beryllium	mg/L			ND	ND	ND	EPA 200.8	0.0005	0.000020	0.00025
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.004	0.05
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.11	100
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.20	20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.20	40.0
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 5.5	EPA 625	5	0.16	40.0

Lancaster Water Reclamation Plant
2019 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Bromodichloromethane	ug/L	ND									
Bromoform	ug/L	ND									
Butyl benzyl phthalate	ug/L	ND									
Cadmium	mg/L	DNQ Est. Conc. 0.00016									
Calcium	mg/L	51.3									
Carbon tetrachloride	ug/L	ND									
Chemical oxygen demand (COD)	mg/L	678	598	674	705	694	616	658	860	535	740
Chloride	mg/L	109			83.2				91.2		
Chlorobenzene	ug/L	ND									
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.20									
Chloroethane	ug/L	ND									
Chloroform	ug/L	0.79									
Chromium VI	mg/L	0.00017									
Chromium, total	mg/L	0.00702									
Chrysene	ug/L	ND									
cis-1,3-Dichloropropene	ug/L	ND									
Cobalt	mg/L	0.00027									
Copper	mg/L	0.0450									
delta-BHC	ug/L	ND									
Di-n-butyl phthalate	ug/L	ND									
Di-n-octyl phthalate	ug/L	ND									
Dibenzo(a,h)anthracene	ug/L	ND									
Dibromoacetic acid	ug/L	ND									
Dichloroacetic acid	ug/L	ND									
Dieldrin	ug/L	ND									
Diesel range organics	ug/L	9390									
Diethyl phthalate	ug/L	ND									
Dimethyl phthalate	ug/L	ND									
Endosulfan II	ug/L	ND									
Endosulfan I	ug/L	ND									
Endosulfan sulfate	ug/L	DNQ Est. Conc. 0.04									
Endrin aldehyde	ug/L	ND									
Endrin	ug/L	ND									
Ethylbenzene	ug/L	ND									
Fluoranthene	ug/L	ND									
Fluorene	ug/L	ND									
gamma-BHC (Lindane)	ug/L	ND									
Gasoline range organics	ug/L	DNQ Est. Conc. 25									
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	0.55									
Isophorone	ug/L	ND									
Lead	mg/L	0.00088									
m+p-Xylenes	ug/L	ND									
Magnesium	mg/L	10.5									
Manganese	mg/L	0.0220									
Mercury	mg/L	0.00015									
Methyl bromide (Bromomethane)	ug/L	ND									
Methyl chloride (Chloromethane)	ug/L	ND									
Methyl tert-butyl ether (MTBE)	ug/L	ND									
Methylene chloride	ug/L	ND									
Molybdenum	mg/L	0.00355									
Monobromoacetic acid	ug/L	ND									
Monochloroacetic acid	ug/L	ND									
n-Nitrosodi-n-propylamine	ug/L	ND									
n-Nitrosodimethylamine (NDMA)	ug/L	0.066									
n-Nitrosodiphenylamine	ug/L	ND									
Naphthalene	ug/L	ND									

Lancaster Water Reclamation Plant
2019 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Bromodichloromethane	ug/L			ND	ND	ND	EPA 624	2	0.20	0.50
Bromoform	ug/L			ND	ND	ND	EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Cadmium	mg/L			DNQ Est. Conc. 0.00016	ND	DNQ Est. Conc. 0.00016	EPA 200.8	0.00025	0.000010	0.00020
Calcium	mg/L			51.3	51.3	51.3	EPA 200.8		0.006	0.020
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.19	0.50
Chemical oxygen demand (COD)	mg/L	902	587	535	687	902	SM 5220D (std)		8.5	25.0 - 62.5
Chloride	mg/L		99.1	83.2	95.6	109	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L			DNQ Est. Conc. 0.20	ND	DNQ Est. Conc. 0.20	EPA 624	2	0.17	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.43	0.50
Chloroform	ug/L			0.79	0.79	0.79	EPA 624	2	0.17	0.50
Chromium VI	mg/L			0.00017	0.00017	0.00017	EPA 218.6 (Dissolved)		0.00002	0.00005
Chromium, total	mg/L			0.00702	0.00702	0.00702	EPA 200.8	0.0005	0.00010	0.00050
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.16	200
cis-1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624		0.17	0.50
Cobalt	mg/L			0.00027	0.00027	0.00027	EPA 200.8		0.00001	0.00025
Copper	mg/L			0.0450	0.0450	0.0450	EPA 200.8	0.0005	0.00005	0.00050
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.001	0.05
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.11	200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.13	200
Dibromoacetic acid	ug/L			ND	ND	ND	EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L			ND	ND	ND	EPA 552.2		0.41	1.0
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Diesel range organics	ug/L			9390	9390	9390	SW8015 Diesel/Oil Organics		39	500
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.26	40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.28	40.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.10
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.10
Endosulfan sulfate	ug/L			DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.04	EPA 608	0.05	0.002	0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.24	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.35	200
gamma-BHC (Lindane)	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.10
Gasoline range organics	ug/L			DNQ Est. Conc. 25	ND	DNQ Est. Conc. 25	SW8015 Gas-Range Organics		9	50
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0009	0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.33	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.53	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.13	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Iron	mg/L			0.55	0.55	0.55	EPA 200.8		0.003	0.020
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.11	20.0
Lead	mg/L			0.00088	0.00088	0.00088	EPA 200.8	0.0005	0.00001	0.00025
m+p-Xylenes	ug/L			ND	ND	ND	EPA 624		0.33	1.0
Magnesium	mg/L			10.5	10.5	10.5	EPA 200.8		0.001	0.020
Manganese	mg/L			0.0220	0.0220	0.0220	EPA 200.8		0.00010	0.00100
Mercury	mg/L			0.00015	0.00015	0.00015	EPA 245.1	0.0005	0.000017	0.000050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND	EPA 624		0.14	0.50
Methylene chloride	ug/L			ND	ND	ND	EPA 624	2	0.30	0.50
Molybdenum	mg/L			0.00355	0.00355	0.00355	EPA 200.8		0.00002	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	0.50	100
n-Nitrosodimethylamine (NDMA)	ug/L			0.066	0.066	0.066	EPA 1625B (Modified)		0.0005	0.020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.28	20.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.13	20.0

Lancaster Water Reclamation Plant
2019 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Nickel	mg/L	0.00238									
Nitrate as nitrogen	mg/L	ND			ND			ND			ND
Nitrite as nitrogen	mg/L	0.044			ND			ND			0.038
Nitrobenzene	ug/L	ND									
o-Xylene	ug/L	ND									
Oil range organics	ug/L	3600									
Pentachlorophenol	ug/L	ND									
Phenanthrene	ug/L	ND									
Phenols	ug/L	103									
Phenol	ug/L	26.1									
pH	SU	7.5	7.8	7.8	7.8	7.6	7.5	7.3	7.4	7.6	7.7
Potassium	mg/L	14.9									
Pyrene	ug/L	ND									
Selenium	mg/L	0.00139									
Silver	mg/L	0.00027									
Sodium	mg/L	112									
Sulfate	mg/L	73.1									
Surfactant (MBAS)	mg/L	7.97			10.7			7.49			9.27
Technical Chlordane	ug/L	ND									
Tetrachloroethene	ug/L	ND									
Thallium	mg/L	ND									
Toluene	ug/L	1.0									
Total BOD	mg/L	286	260	233	296	283	229	262	207	185	269
Total Carbonaceous BOD5	mg/L	242	253	213	323	182	180	281	160	176	213
Total cyanide	ug/L	ND									
Total dissolved solids	mg/L	479	503								
Total Kjeldahl Nitrogen (TKN)	mg/L	49.2			47.5			47.0			48.2
Total organic carbon	ug/L	55300			53200				58100		
Total Petroleum Hydrocarbons	ug/L	13000									
Total Suspended Solids	mg/L	283	258	264	276	390	267	326	373	233	318
Total Trihalomethanes	ug/l	0.79									
Toxaphene	ug/L	ND									
trans-1,2-Dichloroethene	ug/L	ND									
trans-1,3-Dichloropropene	ug/L	ND									
Trichloroacetic acid	ug/L	1.7									
Trichloroethene	ug/L	ND									
Vanadium	mg/L	0.0105									
Vinyl chloride	ug/L	ND									
Zinc	mg/L	0.231									

Lancaster Water Reclamation Plant
2019 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Nickel	mg/L			0.00238	0.00238	0.00238	EPA 200.8	0.001	0.00007	0.00100
Nitrate as nitrogen	mg/L			ND	ND	ND	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L			ND	0.020	0.044	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	20.0
o-Xylene	ug/L			ND	ND	ND	EPA 624		0.19	0.50
Oil range organics	ug/L			3600	3600	3600	SW8015 Diesel/Oil Organics		96	2500
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.62	20.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.31	100
Phenols	ug/L			103	103	103	EPA 420.1		2	30
Phenol	ug/L			26.1	26.1	26.1	EPA 625	1	0.12	20.0
pH	SU	7.7	7.8	7.3	7.6	7.8	SM 4500 H+ B		1.00	1.00
Potassium	mg/L			14.9	14.9	14.9	EPA 200.8		0.025	0.20
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.28	200
Selenium	mg/L			0.00139	0.00139	0.00139	EPA 200.8	0.002	0.00002	0.00100
Silver	mg/L			0.00027	0.00027	0.00027	EPA 200.8	0.00025	0.00002	0.00020
Sodium	mg/L			112	112	112	EPA 200.8		0.033	1.0
Sulfate	mg/L			73.1	73.1	73.1	EPA 300.0		0.100	2.50
Surfactant (MBAS)	mg/L			7.49	8.86	10.7	SM 5540C		0.03	4.00
Technical Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.02	0.50
Tetrachloroethene	ug/L			ND	ND	ND	EPA 624	2	0.25	0.50
Thallium	mg/L			ND	ND	ND	EPA 200.8	0.001	0.000010	0.00025
Toluene	ug/L			1.0	1.0	1.0	EPA 624	2	0.17	0.50
Total BOD	mg/L	382	269	185	263	382	SM 5210B		0.6	86 - 120
Total Carbonaceous BOD5	mg/L	218	198	160	220	323	SM 5210B		0.6	67 - 120
Total cyanide	ug/L			ND	ND	ND	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			479	491	503	SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L		54.0	47.0	49.2	54.0	EPA 351.2		0.135	2.50 - 5.00
Total organic carbon	ug/L		53600	53200	55050	58100	SM 5310C		80 - 150	10000 - 25000
Total Petroleum Hydrocarbons	ug/L			13000	13000	13000	SW-846 8015B			0.050
Total Suspended Solids	mg/L	368	306	233	305	390	SM 2540D		2.5	50.0 - 100
Total Trihalomethanes	ug/l			0.79	0.79	0.79	EPA 624			
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.05	5.0
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.26	0.50
trans-1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624		0.17	0.50
Trichloroacetic acid	ug/L			1.7	1.7	1.7	EPA 552.2		0.22	1.0
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.26	0.50
Vanadium	mg/L			0.0105	0.0105	0.0105	EPA 200.8		0.00003	0.00100
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	mg/L			0.231	0.231	0.231	EPA 200.8	0.001	0.00070	0.00500

Lancaster WRP Effluent Monitoring

Lancaster Water Reclamation Plant 2019
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									
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	DNQ Est. Conc. 0.005							ND		
Acenaphthene	ug/L	ND							ND		
Acenaphthylene	ug/L	ND							ND		
Acrolein	ug/L	ND							ND		
Acrylonitrile	ug/L	ND							ND		
Aldrin	ug/L	ND							ND		
alpha-BHC	ug/L	ND							ND		
Aluminum	mg/L	ND							ND		
Ammonia as nitrogen	mg/L	1.91	2.84	4.36	2.80	3.16	3.20	1.90	1.23	1.97	1.49
Anthracene	ug/L	ND							ND		
Antimony	mg/L	0.00057							0.00068		
Aroclor 1016	ug/L	ND							ND		
Aroclor 1221	ug/L	ND							ND		
Aroclor 1232	ug/L	ND							ND		
Aroclor 1242	ug/L	ND							ND		
Aroclor 1248	ug/L	ND							ND		
Aroclor 1254	ug/L	ND							ND		
Aroclor 1260	ug/L	ND							ND		
Arsenic	mg/L	DNQ Est. Conc. 0.00078							DNQ Est. Conc. 0.00087		
Barium	mg/L	0.0142							0.0166		
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	4.6			0.87				3.9		
Bromoform	ug/L	ND			ND				ND		
Butyl benzyl phthalate	ug/L	ND							ND		
Cadmium	mg/L	DNQ Est. Conc. 0.00001							ND		
Calcium	mg/L	46.9			34.4				35.0		
Carbon tetrachloride	ug/L	ND							ND		

Lancaster Water Reclamation Plant 2019
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	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	1.0 - 5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.17	0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	1.0 - 10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 10.0
2,3,7,8-TCDD	ug/L		ND	ND	ND	ND			EPA 1613B		0.00000093 - 0.0000024	0.000010
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	1.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	1.0 - 5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L			ND	ND	DNQ Est. Conc. 0.005			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		0.70	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.50	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Aluminum	mg/L			ND	ND	ND			EPA 200.8		0.00170	0.0100
Ammonia as nitrogen	mg/L	2.50	1.51	1.23	2.40	4.36		(1)	SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 10.0
Antimony	mg/L			0.00057	0.00062	0.00068			EPA 200.8	0.0005	0.00007	0.00050
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	mg/L			DNQ Est. Conc. 0.00078	ND	DNQ Est. Conc. 0.00087			EPA 200.8	0.002	0.00006	0.00100
Barium	mg/L			0.0142	0.0154	0.0166			EPA 200.8		0.00006 - 0.00016	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007 - 0.013	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
Beryllium	mg/L			ND	ND	ND			EPA 200.8	0.0005	0.00002	0.00025
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.11 - 0.28	1.0 - 5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 2.0
Bromodichloromethane	ug/L		1.5	0.87	2.7	4.6			EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 10.0
Cadmium	mg/L			ND	ND	DNQ Est. Conc. 0.00001			EPA 200.8	0.00025	0.000010 - 0.000066	0.00020
Calcium	mg/L		41.0	34.4	39.3	46.9			EPA 200.8		0.006	0.02 - 0.040
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50

Lancaster Water Reclamation Plant 2019
Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	25.5	ND	ND	ND	ND	ND	ND
Chloride	mg/L	135			107				118		
Chlorobenzene	ug/L	ND							ND		
Chlorodibromomethane	ug/L	1.0			DNQ Est. Conc. 0.30				0.61		
Chloroethane	ug/L	ND							ND		
Chloroform	ug/L	11.8			5.9				12.4		
Chromium VI	mg/L	0.00005							ND		
Chromium, total	mg/L	0.00092							0.00061		
Chrysene	ug/L	ND							ND		
cis-1,3-Dichloropropene	ug/L	ND							ND		
Cobalt	mg/L	DNQ Est. Conc. 0.00017							DNQ Est. Conc. 0.00020		
Copper	mg/L	0.00134							0.00157		
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			DNQ Est. Conc. 0.18				ND		
Dichloroacetic acid	ug/L	15			17				17		
Dieldrin	ug/L	ND							ND		
Diesel range organics	ug/L	161									
Diethyl phthalate	ug/L	ND							ND		
Dimethyl phthalate	ug/L	ND							ND		
Dissolved oxygen	mg/L	8.2	8.3	8.2	8.0	8.0	7.4	7.4	7.4	7.3	7.8
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							DNQ Est. Conc. 0.002		
Gasoline range organics	ug/L	ND									
Haloacetic Acids (HAA5)	ug/L	23			22				26		
Heptachlor epoxide	ug/L	ND							ND		
Heptachlor	ug/L	ND							ND		
Hexachlorobenzene	ug/L	ND							ND		
Hexachlorobutadiene	ug/L	ND							ND		
Hexachlorocyclopentadiene	ug/L	ND							ND		
Hexachloroethane	ug/L	ND							ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND							ND		
Iron	mg/L	0.06							0.11		
Isophorone	ug/L	ND							ND		
Lead	mg/L	DNQ Est. Conc. 0.00004							DNQ Est. Conc. 0.00002		
m+p-Xylenes	ug/L	ND							ND		
Magnesium	mg/L	10			7.5				8.3		
Manganese	mg/L	0.0226							0.0250		
Mercury	mg/L			0.00000079					0.0000012		
Methyl bromide (Bromomethane)	ug/L	ND							ND		
Methyl chloride (Chloromethane)	ug/L	ND							ND		
Methyl tert-butyl ether (MTBE)	ug/L	ND									
Methylene chloride	ug/L	ND							ND		
Molybdenum	mg/L	0.00263							0.00178		
Monobromoacetic acid	ug/L	ND			ND				1.0		
Monochloroacetic acid	ug/L	ND			ND				2.3		
n-Nitrosodi-n-propylamine	ug/L	ND / ND			ND (EPA 1625B (Modified) Only)				ND / ND		
n-Nitrosodimethylamine (NDMA)	ug/L	3.0			2.2				1.4		
n-Nitrosodiphenylamine	ug/L	ND / ND			ND (EPA 1625B (Modified) Only)				ND / ND		
Naphthalene	ug/L	ND							ND		
Nickel	mg/L	0.00117							0.00159		
Nitrate as nitrogen	mg/L	6.60	4.16	2.73	5.89	6.26	4.88	4.62	4.38	5.15	4.63
Nitrite as nitrogen	mg/L	0.085	0.078	0.096	0.043	0.083	0.085	0.051	0.037	0.075	0.049
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	ND									
Phenol	ug/L	DNQ Est. Conc. 0.13							ND		
pH	SU	7.3	7.3	7.3	7.4	7.5	7.3	7.3	7.4	7.4	7.4

Lancaster Water Reclamation Plant 2019
Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	2.12	25.5			SM 5220D (std)		8.5	25.0
Chloride	mg/L		131	107	123	135			EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.27	0.40	1.0			EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.43	0.50
Chloroform	ug/L		6.0	5.9	9.0	12.4			EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chromium VI	mg/L			ND	0.00002	0.00005			EPA 218.6 (Dissolved)		0.00002	0.00005
Chromium, total	mg/L			0.00061	0.00076	0.00092			EPA 200.8	0.0005	0.00010	0.00050
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
cis-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.17	0.50
Cobalt	mg/L			DNQ Est. Conc. 0.00017	ND	DNQ Est. Conc. 0.00020			EPA 200.8		0.00001	0.00025
Copper	mg/L			0.00134	0.00146	0.00157			EPA 200.8	0.0005	0.00005	0.00050
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	1.0 - 10.0
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.014	0.020
Dibromoacetic acid	ug/L		ND	ND	ND	DNQ Est. Conc. 0.18			EPA 552.2 & EPA 552.3		0.13 - 0.32	1.0
Dichloroacetic acid	ug/L		7.6	7.6	14	17			EPA 552.2 & EPA 552.3		0.37 - 0.41	1.0
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L			161	161	161			SW8015 Diesel/Oil Organics		39	100
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.26 - 0.42	1.0 - 2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 2.0
Dissolved oxygen	mg/L	7.9	8.3	7.3	7.8	8.3			HACH 10360 LDO			
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 10.0
gamma-BHC (Lindane)	ug/L			DNQ Est. Conc. 0.002	ND	DNQ Est. Conc. 0.005			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		12	12	21	26			EPA 552.2 & EPA 552.3		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 - 0.0009	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.47	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.53 - 2.0	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.013	0.020
Iron	mg/L			0.06	0.08	0.11			EPA 200.8		0	0.02
Isophorone	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0
Lead	mg/L			DNQ Est. Conc. 0.00002	ND	DNQ Est. Conc. 0.00004			EPA 200.8	0.0005	0.00001	0.00025
m+p-Xylenes	ug/L			ND	ND	ND			EPA 624		0.33	1.0
Magnesium	mg/L		10.5	7.5	9.1	10.5			EPA 200.8		0.001	0.020 - 0.040
Manganese	mg/L			0.0226	0.0238	0.0250			EPA 200.8		0.00010	0.00100
Mercury	mg/L			0.00000079	0.00000100	0.0000012			EPA 1631E		0.000000047 - 0.00000008	0.00000050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.14	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.30	0.50
Molybdenum	mg/L			0.00178	0.00220	0.00263			EPA 200.8		0.00002	0.00025
Monobromoacetic acid	ug/L		ND	ND	0.25	1.0			EPA 552.2 & EPA 552.3		0.21 - 0.39	1.0
Monochloroacetic acid	ug/L		ND	ND	0.58	2.3			EPA 552.2 & EPA 552.3		0.32 - 0.34	2.0
n-Nitrosodi-n-propylamine	ug/L		ND (EPA 1625B (Modified) Only)	ND / ND	ND / ND	ND / ND			EPA 1625B (Modified) / EPA 625	5	0.0006 - 0.50	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L		4.3	1.4	2.7	4.3			EPA 1625B (Modified)		0.0005	0.010
n-Nitrosodiphenylamine	ug/L		ND (EPA 1625B (Modified) Only)	ND / ND	ND / ND	ND / ND			EPA 1625B (Modified) / EPA 625		0.0013 - 0.64	0.050 - 1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0
Nickel	mg/L			0.00117	0.00138	0.00159			EPA 200.8	0.001	0.00007	0.00100
Nitrate as nitrogen	mg/L	3.55	3.97	2.73	4.74	6.60			SM 4500 NO3 F		0.030	0.200 - 0.400
Nitrite as nitrogen	mg/L	0.091	0.049	0.037	0.068	0.096			SM 4500 NO3 F		0.003	0.030 - 0.060
Nitrobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0
o-Xylene	ug/L			ND	ND	ND			EPA 624		0.19	0.50
Oil range organics	ug/L			ND	ND	ND			SW8015 Diesel/Oil Organics		96	500
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.62 - 0.82	1.0
Phenanthrene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 5.0
Phenols	ug/L			ND	ND	ND			EPA 420.1		2	6
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.13			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0
pH	SU	7.5	7.5	7.3	7.4	7.5			SM 4500 H+ B		1.00	1.00

Lancaster Water Reclamation Plant 2019
Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Potassium	mg/L	14.9							15.1		
Pyrene	ug/L	ND							ND		
Selenium	mg/L	DNQ Est. Conc. 0.00056							DNQ Est. Conc. 0.00022		
Silver	mg/L	ND							ND		
Sodium	mg/L	120			97.5				97.6		
Sulfate	mg/L	77.1			70.2				60.5		
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Technical Chlordane	ug/L	ND							ND		
Temperature	°C	18.6	17.8	20.6	22.3	23.5	27.1	27.7	27.9	27.6	23.4
Tetrachloroethene	ug/L	ND							ND		
Thallium	mg/L	ND							ND		
Toluene	ug/L	ND							ND		
Total BOD	mg/L	ND	ND	6.1	ND	ND	ND	ND	ND	ND	ND
Total Carbonaceous BOD5	mg/L	ND	ND	6	ND	ND	ND	ND	ND	ND	ND
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		ND							ND	
Total dissolved solids	mg/L	518			438			367			416
Total Kjeldahl Nitrogen (TKN)	mg/L	3.42	4.41	5.15	5.12	3.90	5.40	2.81	2.34	2.26	2.93
Total organic carbon	ug/L	5260			5670				6980		
Total Petroleum Hydrocarbons	ug/L	161									
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	17.4			6.8				16.9		
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	7.7			5.2				6.0		
Trichloroethene	ug/L	ND							ND		
Vanadium	mg/L	0.00448							0.00371		
Vinyl chloride	ug/L	ND							ND		
Zinc	mg/L	0.0802							0.0542		

Lancaster Water Reclamation Plant 2019
Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Potassium	mg/L			14.9	15.0	15.1			EPA 200.8		0.025	0.20
Pyrene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 10.0
Selenium	mg/L			DNQ Est. Conc. 0.00022	ND	DNQ Est. Conc. 0.00056			EPA 200.8	0.002	0.00002	0.00100
Silver	mg/L			ND	ND	ND			EPA 200.8	0.00025	0.00002	0.00020
Sodium	mg/L		101	97.5	104	120			EPA 200.8		0.033	0.20 - 1.00
Sulfate	mg/L		76.2	60.5	71.0	77.1			EPA 300.0		0.050 - 0.110	2.50
Surfactant (MBAS)	mg/L			ND	ND	ND			SM 5540C		0.03	0.10
Technical Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Temperature	°C	21.8	19.6	17.8	23.2	27.9			EPA 170.1 (oC)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.25	0.50
Thallium	mg/L			ND	ND	ND			EPA 200.8	0.001	0.00001	0.00025
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.17	0.50
Total BOD	mg/L	ND	ND	ND	0.51	6.1	30	10	SM 5210B		0.6	3
Total Carbonaceous BOD5	mg/L	ND	ND	ND	0.5	6			SM 5210B		0.6	3
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	(2)	(2)	SM 9222B		1	1 - 2
Total cyanide	ug/L			ND	ND	ND			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			367	435	518			SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	5.05	3.15	2.26	3.83	5.40			EPA 351.2		0.045 - 0.135	0.200 - 1.00
Total organic carbon	ug/L		5330	5260	5810	6980			SM 5310C		80 - 150	2500
Total Petroleum Hydrocarbons	ug/L			161	161	161			SW-846 8015B			0.050
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND			SM 2540D		2.5	2.5
Total trihalomethanes	ug/L		7.5	6.8	12	17.4			EPA 624 & EPA 624.1			
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.50
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.26	0.50
trans-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.17	0.50
Trichloroacetic acid	ug/L		3.9	3.9	5.7	7.7			EPA 552.2 & EPA 552.3		0.22 - 0.28	1.0
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.26	0.50
Vanadium	mg/L			0.00371	0.00410	0.00448			EPA 200.8		0.00003	0.00100
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.42	0.50
Zinc	mg/L			0.0542	0.0672	0.0802			EPA 200.8	0.001	0.00070	0.00100

1. When discharging to Piute Ponds: ammonia limit is a function of pH, per WQCB Order No. R6V-2002-053A1, Provision II.2.a.
2. Number of coliforms may not exceed 23/100 mL in more than one sample during any 30-day period. No sample shall exceed 240/100 mL at any time.

Lancaster WRP Biosolids Monitoring

Biosolids Annual Report Landing Page / LACSD - LANCASTER WRP

NPDES ID: CAL010513
Facility Status: Active
Facility Name: LACSD - LANCASTER WRP
P.O. BOX 4998 WHITTIER, CA 90607

View Annual Report

EPA	**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY** **WASHINGTON, DC 20460** **BIOSOLIDS ANNUAL REPORT**	**FORM** **Approved OMB No.** **2040-0004**

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' 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.

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit confidential business information (CBI) or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk (NPDESereporting@epa.gov (mailto:NPDESereporting@epa.gov)) for further guidance.

Furthermore, CWA section 308(b) and 40 CFR 122.7 require EPA to make effluent data available to the public. EPA's CWA CBI regulation defines "effluent data" as, "A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources…" See 40 CFR 2.302(a)(2)(C). Thus, effluent data will not be protected as CBI and will be made publicly available.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

Program Information

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 part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- 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

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

2090

Reporting Period Start Date: 01/01/2019 **Reporting Period End Date:** 12/31/2019

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):
Air Drying (or Sludge Drying Beds)
Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6020 - Arsenic (ICP-MS)
- EPA Method 6020 - Cadmium (ICP-MS)
- EPA Method 6020 - Chromium (ICP-MS)
- EPA Method 6020 - Copper (ICP-MS)
- EPA Method 6020 - Lead (ICP-MS)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6020 - Molybdenum (ICP-MS)
- EPA Method 6020 - Nickel (ICP-MS)
- EPA Method 6020 - Selenium (ICP-MS)
- EPA Method 6020 - Zinc (ICP-MS)
- Standard Method 4500-NH3 - Ammonia Nitrogen
- Standard Method 4500-Norg - Organic Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids

Other Analytical Methods

- Other Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  Total Nitrogen Calculation

- Other Total Kjeldahl Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  EPA 351.2

- Other Nitrate Nitrogen Analytical Method

Other Analytical Methods Text Area:

SM 4500 NO3

Sludge Management - Land Application

ID: 003

Amount: 581

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL000718

Facility Information:
SYNAGRO SOUTH KERN COMPOST MANUFACTURING
2653 Santiago Road
Taft, CA 93268

Contact Information:
Robert Ford
Business Development Manager
661-765-7643
robertford@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2019

Compliance Monitoring Period End Date: 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.19	
Cadmium	=	2	
Copper	=	462	
Lead	=	9.86	
Mercury	=	0.72	
Molybdenum	=	15.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	25.4	
Selenium	=	5.7	
Zinc	=	2150	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	72	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.19	
Cadmium	=	2	
Copper	=	462	
Lead	=	9.86	
Mercury	=	0.72	
Nickel	=	25.4	
Selenium	=	5.7	
Zinc	=	2150	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	68100	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date: 03/01/2019

Compliance Monitoring Period End Date: 04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.49	
Cadmium	=	1.6	
Copper	=	346	
Lead	=	8.18	
Mercury	=	1	
Molybdenum	=	11.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	24.8	
Selenium	=	5	
Zinc	=	1370	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	72	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.49	
Cadmium	=	1.6	
Copper	=	346	
Lead	=	8.18	
Mercury	=	1	
Nickel	=	24.8	
Selenium	=	5	
Zinc	=	1370	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	57400	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 05/01/2019

Compliance Monitoring Period End Date: 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.69	
Cadmium	=	2.1	
Copper	=	439	
Lead	=	8.82	
Mercury	=	0.86	
Molybdenum	=	15.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	31.3	
Selenium	=	5.9	
Zinc	=	1600	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	72	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.69	
Cadmium	=	2.1	
Copper	=	439	
Lead	=	8.82	
Mercury	=	0.86	
Nickel	=	31.3	
Selenium	=	5.9	
Zinc	=	1600	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	73100	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	07/01/2019	08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.49	
Cadmium	=	2.2	
Copper	=	440	
Lead	=	7.89	
Mercury	=	0.69	
Molybdenum	=	16.8	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	27.7	
Selenium	=	6	
Zinc	=	1820	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	73	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.49	
Cadmium	=	2.2	
Copper	=	440	
Lead	=	7.89	
Mercury	=	0.69	
Nickel	=	27.7	
Selenium	=	6	
Zinc	=	1820	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	65100	

Compliance Monitoring Event No. 5	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	09/01/2019	10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.85	
Cadmium	=	2.2	
Copper	=	525	
Lead	=	9.05	
Mercury	=	0.89	
Molybdenum	=	14.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	28.5	
Selenium	=	6.1	
Zinc	=	2220	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	73	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.85	
Cadmium	=	2.2	
Copper	=	525	
Lead	=	9.05	
Mercury	=	0.89	
Nickel	=	28.5	
Selenium	=	6.1	
Zinc	=	2220	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	62900	

Compliance Monitoring Event No. 6

Compliance Monitoring Period Start Date: 11/01/2019

Compliance Monitoring Period End Date: 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.78	
Cadmium	=	2.7	
Copper	=	538	
Lead	=	8.32	
Mercury	=	1	
Molybdenum	=	16	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	30.8	
Selenium	=	6.3	
Zinc	=	2320	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	73	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.78	
Cadmium	=	2.7	
Copper	=	538	
Lead	=	8.32	
Mercury	=	1	
Nickel	=	30.8	
Selenium	=	6.3	
Zinc	=	2320	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	78200	

ID: 004

Amount: 1509

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL010500

Facility Information:
NURSERY PRODUCTS HAWES COMPOSTING FACILITY
P.O. Box 1439
Helendale, CA 94342

Contact Information:
Brian Kelleher
Area Director
661-770-6620
bkelleher@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2019

Compliance Monitoring Period End Date: 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.19	
Cadmium	=	2	
Copper	=	462	
Lead	=	9.86	
Mercury	=	0.72	
Molybdenum	=	15.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	25.4	
Selenium	=	5.7	
Zinc	=	2150	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	72	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.19	
Cadmium	=	2	
Copper	=	462	
Lead	=	9.86	
Mercury	=	0.72	
Nickel	=	25.4	
Selenium	=	5.7	
Zinc	=	2150	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	68100	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date: 03/01/2019

Compliance Monitoring Period End Date: 04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.49	
Cadmium	=	1.6	
Copper	=	346	
Lead	=	8.18	
Mercury	=	1	
Molybdenum	=	11.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	24.8	
Selenium	=	5	
Zinc	=	1370	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	72	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.49	
Cadmium	=	1.6	
Copper	=	346	
Lead	=	8.18	
Mercury	=	1	
Nickel	=	24.8	
Selenium	=	5	
Zinc	=	1370	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	57400	

Compliance Monitoring Event No. 3 | **Compliance Monitoring Period Start Date:** 05/01/2019 | **Compliance Monitoring Period End Date:** 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.69	
Cadmium	=	2.1	
Copper	=	439	
Lead	=	8.82	
Mercury	=	0.86	
Molybdenum	=	15.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	31.3	
Selenium	=	5.9	
Zinc	=	1600	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	72	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.69	
Cadmium	=	2.1	
Copper	=	439	
Lead	=	8.82	
Mercury	=	0.86	
Nickel	=	31.3	
Selenium	=	5.9	
Zinc	=	1600	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	73100	

Compliance Monitoring Event No. 4

Compliance Monitoring Period Start Date: 07/01/2019

Compliance Monitoring Period End Date: 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.49	
Cadmium	=	2.2	
Copper	=	440	
Lead	=	7.89	
Mercury	=	0.69	
Molybdenum	=	16.8	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	27.7	
Selenium	=	6	
Zinc	=	1820	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	73	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.49	
Cadmium	=	2.2	
Copper	=	440	
Lead	=	7.89	
Mercury	=	0.69	
Nickel	=	27.7	
Selenium	=	6	
Zinc	=	1820	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	65100	

Compliance Monitoring Event No. 5	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	09/01/2019	10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.85	
Cadmium	=	2.2	
Copper	=	525	
Lead	=	9.05	
Mercury	=	0.89	
Molybdenum	=	14.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	28.5	
Selenium	=	6.1	
Zinc	=	2220	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	73	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.85	
Cadmium	=	2.2	
Copper	=	525	
Lead	=	9.05	
Mercury	=	0.89	
Nickel	=	28.5	
Selenium	=	6.1	
Zinc	=	2220	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	62900	

Compliance Monitoring Event No. 6

Compliance Monitoring Period Start Date: 11/01/2019

Compliance Monitoring Period End Date: 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.78	
Cadmium	=	2.7	
Copper	=	538	
Lead	=	8.32	
Mercury	=	1	
Molybdenum	=	16	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	30.8	
Selenium	=	6.3	
Zinc	=	2320	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	73	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.78	
Cadmium	=	2.7	
Copper	=	538	
Lead	=	8.32	
Mercury	=	1	
Nickel	=	30.8	
Selenium	=	6.3	
Zinc	=	2320	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	78200	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

Additional Attachments

Name	Created Date	Size
2019 Lancaster_NANI_Data_Summary.pdf	02/19/2020 7:57 AM	79.18 KB

Certification Information

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 gathered and evaluated 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 have no personal knowledge that the information submitted is other than 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. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Matthew J. Bao (MATTHEWBAO)

Certified On: 02/19/2020 9:24 AM

2019 BIOSOLIDS MANAGEMENT PROGRAM
Lancaster Water Reclamation Plant
mg/kg Dry Weight (unless otherwise noted)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
19010900081	1/8/2019	16.3	6.19	2.0	68.7	462	9.86	0.72	15.4	25.4	5.7	2,150
19030500392	3/5/2019	20.7	6.49	1.6	66.5	346	8.18	1.0	11.6	24.8	5.0	1,370
19050700409	5/7/2019	17.4	6.69	2.1	85.7	439	8.82	0.86	15.5	31.3	5.9	1,600
19070900373	7/9/2019	17.6	6.49	2.2	76.8	440	7.89	0.69	16.8	27.7	6.0	1,820
19091000369	9/10/2019	15.4	6.85	2.2	75.3	525	9.05	0.89	14.7	28.5	6.1	2,220
19110600203	11/5/2019	15.9	6.78	2.7	80.1	538	8.32	1.0	16.0	30.8	6.3	2,320
MEAN		**17.2**	**6.58**	**2.1**	**75.5**	**458**	**8.69**	**0.86**	**15.0**	**28.1**	**5.8**	**1,910**
MAX			**6.85**	**2.7**	**85.7**	**538**	**9.86**	**1.0**	**16.8**	**31.3**	**6.3**	**2,320**
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	Amm-N	Org-N	NO_3-N	NO_2-N	PO_4	K	TN	TKN
19010900081	1/8/2019	7,230	60,800	16.7	11.3	111,000	1,820	68,100	68,100
19030500392	3/5/2019	4,830	52,500	< 9.68	4.0	128,000	1,590	57,400	57,400
19050700409	5/7/2019	7,110	66,000	< 11.5	4.2	83,500	2,070	73,100	73,100
19070900373	7/9/2019	5,600	59,500	< 11.4	10.9	77,600	1,680	65,100	65,100
19091000369	9/10/2019	6,560	56,200	90.3	26.9	87,400	1,810	62,900	62,800
19110600203	11/5/2019	6,490	71,700	21.4	5.56	70,500	1,600	78,200	78,200
MEAN		**6,300**	**61,100**	**24.1**	**10.5**	**93,000**	**1,760**		
MAX		**7,230**	**71,700**	**90.3**	**26.9**	**128,000**	**2,070**		

\ = No Limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

2019 BIOSOLIDS MANAGEMENT PROGRAM

Lancaster WRP Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)
January	99	42	67
February	99	42	72
March	99	45	71
April	99	45	72
May	99	43	71
June	99	45	72
July	99	43	73
August	99	44	67
September	99	45	63
October	99	51	73
November	99	54	73
December	99	49	70
MEAN	**99**	**46**	**70**
MIN	**99**	**42**	**63**

LANCASTER WATER RECLAMATION PLANT

2019 Digester Performance Summary

		HDT (days)	Temperature (degrees F)	VSD (%)			HDT (days)	Temperature (degrees F)	VSD (%)
Jan	Dig 4	47	99	65	Jul	Dig 4	45	99	72
	Dig 7	40	99	68		Dig 7	42	99	73
	Dig 8	40	99	67		Dig 8	42	99	75
	Avg	**42**	**99**	**67**		**Avg**	**43**	**99**	**73**
Feb	Dig 4	46	99	72	Aug	Dig 4	52	99	70
	Dig 7	40	99	69		Dig 7	41	99	65
	Dig 8	40	99	74		Dig 8	40	99	65
	Avg	**42**	**99**	**72**		**Avg**	**44**	**99**	**67**
Mar	Dig 4	50	99	68	Sep	Dig 4	56	99	67
	Dig 7	43	99	72		Dig 7	39	99	62
	Dig 8	43	99	73		Dig 8	39	99	62
	Avg	**45**	**99**	**71**		**Avg**	**45**	**99**	**63**
Apr	Dig 4	50	99	69	Oct	Dig 4	64	99	78
	Dig 7	43	99	73		Dig 7	44	99	70
	Dig 8	43	99	73		Dig 8	44	99	71
	Avg	**45**	**99**	**72**		**Avg**	**51**	**99**	**73**
May	Dig 4	47	99	68	Nov	Dig 4	68	99	77
	Dig 7	40	99	71		Dig 7	47	99	70
	Dig 8	40	99	73		Dig 8	47	99	71
	Avg	**43**	**99**	**71**		**Avg**	**54**	**99**	**73**
Jun	Dig 4	50	99	69	Dec	Dig 4	61	99	75
	Dig 7	43	99	72		Dig 7	43	99	69
	Dig 8	42	99	74		Dig 8	43	99	67
	Avg	**45**	**99**	**72**		**Avg**	**49**	**99**	**70**

HDT = Hydraulic Detention Time

VSD = Volatile Solids Destruction

Long Beach WRP Influent Monitoring

Long Beach Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						DNQ Est. Conc. 0.21		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						DNQ Est. Conc. 0.04		
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	0.61						1.03		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	4.99						7.98		
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		

Long Beach Water Reclamation Plant
2019 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	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.20 - 0.63	20.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.19 - 0.51	20.0 - 100
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.21	EPA 624	2	0.21	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.13 - 0.41	20.0 - 200
2-Chlorophenol	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.18 - 0.41	20.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.92 - 1.3	100
2-Nitrophenol	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.10 - 0.31	20.0 - 200
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.48 - 1.8	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.60 - 0.63	20.0 - 100
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA625/EPA625.1	2	0.44 - 0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA625/EPA625.1	5	1.5 - 2.8	100
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.27 - 0.37	20.0 - 100
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.21 - 0.64	20.0 - 200
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.28 - 0.50	20.0 - 100
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.44 - 0.69	20.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.54 - 0.81	20.0 - 100
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.27 - 0.58	20.0 - 100
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.32 - 0.63	20.0 - 100
4-Nitrophenol	ug/L				ND	ND	ND	EPA625/EPA625.1	10	1.3 - 1.6	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.10
4,4'-DDE	ug/L				ND	ND	DNQ Est. Conc. 0.04	EPA 608	0.05	0.001	0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
Acenaphthene	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.22 - 0.50	20.0
Acenaphthylene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.19 - 0.50	20.0 - 200
Acrolein	ug/L				ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.50	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.002	0.10
Anthracene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.19 - 0.56	20.0 - 200
Antimony	ug/L				0.61	0.82	1.03	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09 - 0.1	3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	1.0
Arsenic	ug/L				4.99	6.49	7.98	EPA 200.8	2	0.06	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.77 - 1.8	100
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.14 - 0.46	20.0 - 100
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.19 - 0.54	20.0 - 200
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.22 - 0.61	20.0 - 200
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.12 - 0.52	20.0 - 100
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.19 - 0.53	20.0 - 200

Long Beach Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Beryllium	ug/L	ND						DNQ Est. Conc. 0.029		
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	303	361	323	330	362	309	277	310	317
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.46						DNQ Est. Conc. 0.47		
Bromoform	ug/L	ND						DNQ Est. Conc. 0.39		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	DNQ Est. Conc. 0.17						0.27		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.47						0.51		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	2.5						2.4		
Chromium VI	ug/L	0.39						0.07		
Chromium, total	ug/L	1.90						5.29		
Chrysene	ug/L	ND						ND		
Copper	ug/L	38.7			65.3			82.5		
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						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	DNQ Est. Conc. 0.05						DNQ Est. Conc. 0.02		
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	1.13			1.66			2.47		
Mercury	ug/L	0.059						0.19		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	DNQ Est. Conc. 0.36						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	3.80						5.37		
Nitrobenzene	ug/L	ND						ND		

Long Beach Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Beryllium	ug/L				ND	ND	DNQ Est. Conc. 0.029	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002 - 0.004	0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.11 - 0.28	20.0 - 100
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.20 - 0.27	20.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA625/EPA625.1	2	0.20 - 0.25	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.16 - 0.55	20.0 - 40.0
BOD5 20°C	mg/L	300	286	314	277	316	362	SM 5210B		0.6	75 - 120
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.46	ND	DNQ Est. Conc. 0.47	EPA 624	2	0.20	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.39	EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.12 - 0.58	20.0 - 200
Cadmium	ug/L				DNQ Est. Conc. 0.17	0.14	0.27	EPA 200.8	0.25	0.010	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.47	0.26	0.51	EPA 624	2	0.17	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.43	0.50
Chloroform	ug/L				2.4	2.5	2.5	EPA 624	2	0.17	0.50
Chromium VI	ug/L				0.07	0.2	0.39	EPA 218.6 (Dissolved)		0.02	0.05
Chromium, total	ug/L				1.90	3.60	5.29	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.16 - 0.41	20.0 - 200
Copper	ug/L	69.3			38.7	64.0	82.5	EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.12 - 0.59	20.0 - 200
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.11 - 0.69	20.0 - 200
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.13 - 0.58	20.0 - 200
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L				ND	ND	ND	EPA625/EPA625.1	2	0.26 - 0.42	20.0 - 40.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA625/EPA625.1	2	0.28 - 0.41	20.0 - 40.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.24 - 0.69	20.0
Fluorene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.35 - 0.58	20.0 - 200
gamma-BHC (Lindane)	ug/L				DNQ Est. Conc. 0.02	ND	DNQ Est. Conc. 0.05	EPA 608	0.02	0.0009 - 0.001	0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.17 - 0.47	20.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.33 - 0.96	20.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA625/EPA625.1	5	0.53 - 2.0	100
Hexachloroethane	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.13 - 0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.12 - 0.53	20.0 - 200
Isophorone	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.11 - 0.28	20.0
Lead	ug/L	1.47			1.13	1.68	2.47	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.059	0.12	0.19	EPA 245.1	0.5	0.012 - 0.017	0.04 - 0.050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Methylene chloride	ug/L				ND	ND	DNQ Est. Conc. 0.36	EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA625/625.1/1625B(Mod.)	5	0.0006 - 0.50	0.020 - 100
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA625/625.1/1625B(Mod.)	5	0.0005 - 0.50	0.020 - 100
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA625/625.1/1625B(Mod.)	1	0.0013 - 0.64	0.10 - 20.0
Naphthalene	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.13 - 0.20	20.0
Nickel	ug/L				3.80	4.59	5.37	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA625/EPA625.1	1	0.17 - 0.31	20.0

Long Beach Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-105	pg/L							380		
PCB-110	pg/L							1210		
PCB-114	pg/L							24		
PCB-118	pg/L							1000(1)		
PCB-123	pg/L							DNQ Est. Conc. 18		
PCB-126	pg/L							ND		
PCB-128/166	pg/L							DNQ Est. Conc. 90(1)		
PCB-135/151	pg/L							DNQ Est. Conc. 290		
PCB-138/163/164	pg/L							563(1)		
PCB-139/149	pg/L							617		
PCB-153/168	pg/L							630(1)		
PCB-156/157	pg/L							82(1)		
PCB-158	pg/L							DNQ Est. Conc. 84		
PCB-167	pg/L							25		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 120		
PCB-177	pg/L							DNQ Est. Conc. 80		
PCB-18/30	pg/L							DNQ Est. Conc. 120		
PCB-180/193	pg/L							DNQ Est. Conc. 320		
PCB-183	pg/L							DNQ Est. Conc. 100		
PCB-187	pg/L							210		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 51		
PCB-20/28	pg/L							DNQ Est. Conc. 310		
PCB-201	pg/L							DNQ Est. Conc. 22		
PCB-206	pg/L							DNQ Est. Conc. 61		
PCB-37	pg/L							DNQ Est. Conc. 120		
PCB-44/47/65	pg/L							DNQ Est. Conc. 520(1)		
PCB-49/69	pg/L							DNQ Est. Conc. 190		
PCB-52	pg/L							690(1)		
PCB-66	pg/L							320(1)		
PCB-74	pg/L							201		
PCB-77	pg/L							37		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 1000		
PCB-90/101	pg/L							1440(1)		
PCB-99	pg/L							490		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	35.4						35.4		
pH	SU	7.5	6.8	7.6	7.5	7.6	7.4	7.4	7.4	7.3
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L	ND						ND		
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L							0.008620		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.90			1.67			1.98		
Silver	ug/L	DNQ Est. Conc. 0.12						1.12		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						DNQ Est. Conc. 0.014		
Toluene	ug/L	2.0						3.2		
Total cyanide	mg/L	DNQ Est. Conc. 0.0012						DNQ Est. Conc. 0.0022		
Total suspended solids	mg/L	419	185	219	312	373	299	274	325	358
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	96.3			158			232		

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Long Beach Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-105	pg/L				380	380	380	EPA 1668		12	20
PCB-110	pg/L				1210	1210	1210	EPA 1668		0.953	5.96
PCB-114	pg/L				24	24	24	EPA 1668		11	20
PCB-118	pg/L				1000(1)	1000	1000(1)	EPA 1668		11	20
PCB-123	pg/L				DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		12	20
PCB-126	pg/L				ND	ND	ND	EPA 1668		13	20
PCB-128/166	pg/L				DNQ Est. Conc. 90(1)	ND	DNQ Est. Conc. 90(1)	EPA 1668		7.6	410
PCB-135/151	pg/L				DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668		8.6	410
PCB-138/163/164	pg/L				563(1)	563	563(1)	EPA 1668		4.77	17.9
PCB-139/149	pg/L				617	617	617	EPA 1668		4.3	11.9
PCB-153/168	pg/L				630(1)	630	630(1)	EPA 1668		6.9	410
PCB-156/157	pg/L				82(1)	82	82(1)	EPA 1668		7.4	41
PCB-158	pg/L				DNQ Est. Conc. 84	ND	DNQ Est. Conc. 84	EPA 1668		6.6	200
PCB-167	pg/L				25	25	25	EPA 1668		5.0	20
PCB-169	pg/L				ND	ND	ND	EPA 1668		6.5	20
PCB-170	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		3.0	200
PCB-177	pg/L				DNQ Est. Conc. 80	ND	DNQ Est. Conc. 80	EPA 1668		2.5	200
PCB-18/30	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		4.7	410
PCB-180/193	pg/L				DNQ Est. Conc. 320	ND	DNQ Est. Conc. 320	EPA 1668		2.2	410
PCB-183	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		2.5	200
PCB-187	pg/L				210	210	210	EPA 1668		0.78	200
PCB-189	pg/L				ND	ND	ND	EPA 1668		1.3	20
PCB-194	pg/L				DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51	EPA 1668		0.67	200
PCB-20/28	pg/L				DNQ Est. Conc. 310	ND	DNQ Est. Conc. 310	EPA 1668		12	410
PCB-201	pg/L				DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		0.72	200
PCB-206	pg/L				DNQ Est. Conc. 61	ND	DNQ Est. Conc. 61	EPA 1668		0.88	200
PCB-37	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		15	200
PCB-44/47/65	pg/L				DNQ Est. Conc. 520(1)	ND	DNQ Est. Conc. 520(1)	EPA 1668		11	610
PCB-49/69	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		11	410
PCB-52	pg/L				690(1)	690	690(1)	EPA 1668		12	200
PCB-66	pg/L				320(1)	320	320(1)	EPA 1668		4.5	200
PCB-74	pg/L				201	201	201	EPA 1668		2.76	5.96
PCB-77	pg/L				37	37	37	EPA 1668		6.2	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		6.2	20
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 1000	ND	DNQ Est. Conc. 1000	EPA 1668		11	1200
PCB-90/101	pg/L				1440(1)	1440	1440(1)	EPA 1668		5.46	11.9
PCB-99	pg/L				490	490	490	EPA 1668		9.5	200
Pentachlorophenol	ug/L				ND	ND	ND	EPA625/625.1/515.4	5	0.040 - 0.82	0.20 - 20.0
Phenanthrene	ug/L				ND	ND	ND	EPA625/625.1/515.4	5	0.31 - 0.59	20.0 - 100
Phenol	ug/L				35.4	35.4	35.4	EPA625/625.1/515.4	1	0.12 - 0.24	20.0
pH	SU	7.4	7.6	7.4	6.8	7.4	7.6	SM 4500 H+ B		1.00	1.00
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L				ND	ND	ND	EPA 608			
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				0.008620	0.008620	0.008620	EPA 1668			
Pyrene	ug/L				ND	ND	ND	EPA625/EPA625.1	10	0.28 - 0.60	20.0 - 200
Selenium	ug/L	1.19			DNQ Est. Conc. 0.90	1.2	1.98	EPA 200.8	2	0.02	1.00
Silver	ug/L				DNQ Est. Conc. 0.12	0.56	1.12	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.25	0.50
Thallium	ug/L				ND	ND	DNQ Est. Conc. 0.014	EPA 200.8	1	0.010	0.25
Toluene	ug/L				2.0	2.6	3.2	EPA 624	2	0.17	0.50
Total cyanide	mg/L				DNQ Est. Conc. 0.0012	ND	DNQ Est. Conc. 0.0022	SM 4500 CN E	0.005	0.0010	0.0050
Total suspended solids	mg/L	314	320	277	185	306	419	SM 2540D		2.5	83.3 - 100
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.26	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	ug/L	172			96.3	165	232	EPA 200.8	1	0.70	1.00 - 10.0

(1) Blank contamination observed.

Long Beach WRP Effluent Monitoring

Long Beach Water Reclamation Plant
2019 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(1)						ND(1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND(1)						ND(1)		
1,2,3,4,7,8-HexaCDD	pg/L	ND						ND(1)		
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. 0.88		
1,2,3,7,8,9-HexaCDF	pg/L	ND						ND(1)		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
1,4-Dioxane	ug/L	1.7						1.5		
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						DNQ Est. Conc. 0.64(2)		
2,3,7,8-TCDD	pg/L	ND						ND		
2,3,7,8-TetraCDF	pg/L	ND						ND(1)		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	1.12	0.842	1.83	0.932	1.19	1.63	0.891	0.906	4.05
Anthracene	ug/L	ND						ND		
Antimony	ug/L	0.51			DNQ Est. Conc. 0.48			0.55		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		

Long Beach Water Reclamation Plant
2019 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	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.34 - 0.49	51 - 52
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.50 - 0.69	51 - 52
1,2,3,4,7,8-HexaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.45 - 1.1	51 - 52
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.59 - 1.5	51 - 52
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	ND			EPA 1613B		0.66 - 0.78	51 - 52
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.43 - 1.0	51 - 52
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.62 - 1.5	51 - 52
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		0.61 - 1.1	51 - 52
1,2,3,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.42 - 1.2	51 - 52
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 0.88			EPA 1613B		0.40 - 0.92	51 - 52
1,2,3,7,8,9-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.28 - 0.94	51 - 52
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	1.0 - 5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,4-Dioxane	ug/L				1.5	1.6	1.7			SW846/8270MOD 1,4-Dioxane		0.19	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	1.0 - 10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.32 - 1.1	51 - 52
2,3,4,7,8-PentaCDF	pg/L				DNQ Est. Conc. 0.64(2)	ND	DNQ Est. Conc. 0.64(2)			EPA 1613B		0.44 - 1.3	51 - 52
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		0.49 - 0.99	10
2,3,7,8-TetraCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.32 - 0.62	10
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 5.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	1.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	1.0 - 5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.50	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	1.24	2.52	0.825	0.825	1.50	4.05	7.9	4.1	SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 10.0
Antimony	ug/L	0.50			DNQ Est. Conc. 0.48	0.39	0.55			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L				ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1

Long Beach Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Arsenic	ug/L	2.60			3.48			3.66		
Barium	ug/L	33.9			45.1			57.4		
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	0.33	0.33	0.31	0.35	0.35	0.35	0.35	0.30	0.32
Bromodichloromethane	ug/L	7.6						5.7		
Bromoform	ug/L	ND						0.51		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	ND			DNQ Est. Conc. 0.017			DNQ Est. Conc. 0.016		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	131	140	135	155	155	147	149	147	149
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	2.0						2.9		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	12.7						7.4		
Chromium III	ug/L	ND			ND			0.72		
Chromium VI	ug/L	ND			0.07			DNQ Est. Conc. 0.03		
Chromium, total (24-hr composite)	ug/L	DNQ Est. Conc. 0.30			DNQ Est. Conc. 0.34			DNQ Est. Conc. 0.32		
Chromium, total (Grab)	ug/L	DNQ Est. Conc. 0.24			DNQ Est. Conc. 0.29			0.72		
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	1.43	1.48	2.30	1.49	1.29	1.43	1.64	1.94	1.45
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
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 1.0						DNQ Est. Conc. 0.52		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	8.6	8.4	7.4	7.3	6.5	6.8	6.7	6.1	6.2
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	0.520			0.885			0.717		
gamma-BHC (Lindane)	ug/L	0.01						ND		
Gross alpha radioactivity	pCi/L	ND			5.66			3.74		
Gross beta radioactivity	pCi/L	8.76			14.1			13.2		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ug/L	ND						ND		

Long Beach 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				
Arsenic	ug/L	3.48			2.60	3.31	3.66			EPA 200.8	2	0.06	1.00
Barium	ug/L	33.5			33.5	42.5	57.4			EPA 200.8		0.06 - 0.16	0.5
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 5.0
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.007 - 0.013	0.020
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005 - 0.014	0.020
Beryllium	ug/L	ND			ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.11 - 0.28	1.0 - 5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 2.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 2.0
BOD5 20°C	mg/L	ND	3	ND	ND	0.3	3	45	20	SM 5210B		0.6	3
Boron	mg/L	0.33	0.30	0.35	0.30	0.33	0.35			EPA 200.8		0.008 - 0.017	0.020
Bromodichloromethane	ug/L				5.7	6.7	7.6			EPA 624	2	0.20	0.50
Bromoform	ug/L				ND	0.26	0.51			EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 10.0
Cadmium	ug/L	ND			ND	ND	DNQ Est. Conc. 0.017			EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.19	0.50
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	134	133	138	131	143	155			EPA 300.0		0.040 - 0.120	10.0 - 20.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L				2.0	2.5	2.9			EPA 624	2	0.17	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.43	0.50
Chloroform	ug/L				7.4	10	12.7			EPA 624	2	0.17	0.50
Chromium III	ug/L	ND			ND	0.18	0.72			EPA 200.8			0.50
Chromium VI	ug/L	DNQ Est. Conc. 0.02			ND	0.02	0.07			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chromium, total (24-hr composite)	ug/L	DNQ Est. Conc. 0.48			DNQ Est. Conc. 0.30	ND	DNQ Est. Conc. 0.48			EPA 200.8	0.5	0.10	0.50
Chromium, total (Grab)	ug/L	DNQ Est. Conc. 0.45			DNQ Est. Conc. 0.24	0.18	0.72			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L	ND	ND	ND	DNQ Est. Conc. 0.24	ND	DNQ Est. Conc. 0.24	0.098	0.049	EPA 610	10	0.005 - 0.014	0.020
Copper	ug/L	1.24	1.12	1.38	1.12	1.52	2.30	20(3)27(4)	18(3)	EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	1.0 - 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	ND	0.098	0.049	EPA 610	10	0.004 - 0.014	0.020
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 0.52	ND	DNQ Est. Conc. 1.0			EPA 625 & EPA 625.1	2	0.26 - 0.42	1.0 - 2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 2.0
Dissolved oxygen	mg/L	5.6	6.5	5.8	5.6	6.8	8.6			HACH 10360 LDO			
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 10.0
Fluoride	mg/L	0.542			0.520	0.666	0.885			SM 4500 F C		0.004 - 0.049	0.100
gamma-BHC (Lindane)	ug/L				ND	0.005	0.01			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L	0.959			ND	2.59	5.66			EPA 900.0		2.79 - 6.47	3.00 - 4.38
Gross beta radioactivity	pCi/L	6.74			6.74	10.7	14.1			EPA 900.0		1.53 - 5.62	4.00
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.47	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.53 - 2.0	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	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 - 0.013	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0

Long Beach Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Lead	ug/L	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.05
Mercury	ug/L				0.0024			0.0011		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND		
Methylene chloride	ug/L	ND						ND		
n-Nitrosodi-n-propylamine	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine (NDMA)	ug/L	1.3	1.2	1.6	0.52	0.41	0.26	0.26	0.38	0.38
n-Nitrosodiphenylamine	ug/L	ND	ND	ND	ND	DNQ Est. Conc. 0.014	DNQ Est. Conc. 0.017	ND	DNQ Est. Conc. 0.012	DNQ Est. Conc. 0.029
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	2.04			1.38			1.35		
Nitrate + nitrite as nitrogen	mg/L	7.15	8.01	7.24	5.11	6.14	6.84	6.16	6.03	6.53
Nitrate as nitrogen	mg/L	7.08	7.85	7.02	5.05	6.01	6.42	5.95	5.95	5.90
Nitrite as nitrogen	mg/L	0.072	0.16	0.224	0.063	0.123	0.413	0.209	0.080	0.630
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	ND(1)						ND(1)		
OctaCDF	pg/L	ND(1)						ND(1)		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	1.91	0.843	3.24	2.27	1.14	0.244	0.846	0.492	ND
PCB-90/101/113	pg/L							DNQ Est. Conc. 8.4(2)		
PCB-105	pg/L							DNQ Est. Conc. 3.5(2)		
PCB-110/115	pg/L							DNQ Est. Conc. 7.2(2)		
PCB-114	pg/L							ND		
PCB-118	pg/L							DNQ Est. Conc. 8.4		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-128/166	pg/L							ND		
PCB-135/151	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 6.3		
PCB-147/149	pg/L							DNQ Est. Conc. 3.0(2)		
PCB-153/168	pg/L							DNQ Est. Conc. 3.6(2)		
PCB-156/157	pg/L							DNQ Est. Conc. 2.5(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-18/30	pg/L							DNQ Est. Conc. 8.7		
PCB-180/193	pg/L							ND		
PCB-183	pg/L							ND		
PCB-187	pg/L							ND		
PCB-189	pg/L							ND		
PCB-194	pg/L							ND		
PCB-20/28	pg/L							DNQ Est. Conc. 12		
PCB-201	pg/L							ND		
PCB-206	pg/L							DNQ Est. Conc. 5.9(2)		
PCB-37	pg/L							ND		
PCB-44/47/65	pg/L							DNQ Est. Conc. 86(1)		
PCB-49/69	pg/L							DNQ Est. Conc. 5.6		
PCB-52	pg/L							DNQ Est. Conc. 15(1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 10		
PCB-66	pg/L							DNQ Est. Conc. 3.5(2)		
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							ND		
PCB-99	pg/L							ND		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.6						0.69		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	DNQ Est. Conc. 0.26						DNQ Est. Conc. 0.25		
pH	SU	7.5	7.5	7.4	7.6	7.6	7.5	7.6	7.5	7.6
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L	ND						ND		
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L	ND						ND		
Pyrene	ug/L	ND						ND		
Radium-226 + radium-228	pCi/L	ND						ND		

Long Beach Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Lead	ug/L	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.15	106(3)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0035			0.0011	0.0023	0.0035			EPA 1631E		.000047 - 0.0003	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.14	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L	ND	ND		ND	ND	ND			EPA625/625.1/1625B (Mod.)	5	0.0006 - 0.50	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.26	0.11		0.11	0.61	1.6			EPA 1625B (Modified)		0.0005	0.010
n-Nitrosodiphenylamine	ug/L	ND	ND		ND	ND	DNQ Est. Conc. 0.029			EPA625/625.1/1625B (Mod.)	1	0.0013 - 0.64	0.050 - 1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0
Nickel	ug/L	1.25			1.25	1.51	2.04			EPA 200.8	1	0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	6.59	4.55	4.19	4.19	6.21	8.01		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	6.34	3.86	3.84	3.84	5.94	7.85			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.254	0.693	0.353	0.063	0.27	0.693		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0
OctaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.52 - 1.2	100
OctaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.32 - 1.1	100
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.5 - 4.7
Organic nitrogen	mg/L	0.600	1.18	2.35	ND	1.26	3.24			EPA351.2/SM4500NH3 G		0.050 - 0.170	0.200
PCB-90/101/113	pg/L				DNQ Est. Conc. 8.4(2)	ND	DNQ Est. Conc. 8.4(2)			EPA 1668		0.96	1300
PCB-105	pg/L				DNQ Est. Conc. 3.5(2)	ND	DNQ Est. Conc. 3.5(2)			EPA 1668		1.0	21
PCB-110/115	pg/L				DNQ Est. Conc. 7.2(2)	ND	DNQ Est. Conc. 7.2(2)			EPA 1668		0.74	430
PCB-114	pg/L				ND	ND	ND			EPA 1668		1.1	21
PCB-118	pg/L				DNQ Est. Conc. 8.4	ND	DNQ Est. Conc. 8.4			EPA 1668		1.0	21
PCB-123	pg/L				ND	ND	ND			EPA 1668		1.0	21
PCB-126	pg/L				ND	ND	ND			EPA 1668		1.0	21
PCB-128/166	pg/L				ND	ND	ND			EPA 1668		0.55	430
PCB-135/151	pg/L				ND	ND	ND			EPA 1668		0.62	430
PCB-129/138/163	pg/L				DNQ Est. Conc. 6.3	ND	DNQ Est. Conc. 6.3			EPA 1668		0.6	640
PCB-147/149	pg/L				DNQ Est. Conc. 3.0(2)	ND	DNQ Est. Conc. 3.0(2)			EPA 1668		0.56	430
PCB-153/168	pg/L				DNQ Est. Conc. 3.6(2)	ND	DNQ Est. Conc. 3.6(2)			EPA 1668		0.50	430
PCB-156/157	pg/L				DNQ Est. Conc. 2.5(2)	ND	DNQ Est. Conc. 2.5(2)			EPA 1668		0.71	43
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.48	210
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.54	21
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.53	21
PCB-170	pg/L				ND	ND	ND			EPA 1668		0.80	210
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.61	210
PCB-18/30	pg/L				DNQ Est. Conc. 8.7	ND	DNQ Est. Conc. 8.7			EPA 1668		2.5	430
PCB-180/193	pg/L				ND	ND	ND			EPA 1668		0.57	430
PCB-183	pg/L				ND	ND	ND			EPA 1668		0.61	210
PCB-187	pg/L				ND	ND	ND			EPA 1668		0.60	210
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.57	21
PCB-194	pg/L				ND	ND	ND			EPA 1668		0.71	210
PCB-20/28	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		2.1	430
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.54	210
PCB-206	pg/L				DNQ Est. Conc. 5.9(2)	ND	DNQ Est. Conc. 5.9(2)			EPA 1668		2.1	210
PCB-37	pg/L				ND	ND	ND			EPA 1668		2.3	210
PCB-44/47/65	pg/L				DNQ Est. Conc. 86(1)	ND	DNQ Est. Conc. 86(1)			EPA 1668		1.6	640
PCB-49/69	pg/L				DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6			EPA 1668		1.5	430
PCB-52	pg/L				DNQ Est. Conc. 15(1)	ND	DNQ Est. Conc. 15(1)			EPA 1668		1.7	210
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668		1.0	860
PCB-66	pg/L				DNQ Est. Conc. 3.5(2)	ND	DNQ Est. Conc. 3.5(2)			EPA 1668		1.1	210
PCB-77	pg/L				ND	ND	ND			EPA 1668		1.5	21
PCB-81	pg/L				ND	ND	ND			EPA 1668		1.5	21
PCB-86/87/97/108/119/125	pg/L				ND	ND	ND			EPA 1668		0.96	1300
PCB-99	pg/L				ND	ND	ND			EPA 1668		0.90	210
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 515.1	5	0.040 - 0.82	0.20 - 1.0
Perchlorate	ug/L				0.6	0.6	0.69			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 5.0
Phenol	ug/L				DNQ Est. Conc. 0.25	ND	DNQ Est. Conc. 0.26			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0
pH	SU	7.6	7.5	7.5	7.4	7.5	7.6			SM 4500 H+ B		1.00	1.00
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L				ND	ND	ND			EPA 608			
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				ND	ND	ND			EPA 1668			
Pyrene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 10.0
Radium-226 + radium-228	pCi/L	ND			ND	ND	ND			Drinking H2O Rad. Sum Method			

Long Beach Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Selenium	ug/L	DNQ Est. Conc. 0.36	DNQ Est. Conc. 0.78	DNQ Est. Conc. 0.65	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.56	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.17
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND		
Strontium-90	pCi/L	ND			ND			ND		
Sulfate	mg/L	91.7	110	111	133	113	116	102	92.1	83.3
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	0.069	ND	ND	0.058	0.12
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND			ND			ND		
Temperature	Degrees F	74.1	72.9	74.3	76.3	77.2	79.1	81.4	82.4	83.2
Toluene	ug/L	DNQ Est. Conc. 0.34						ND		
Total chlorinated hydrocarbons (TICH)	ug/L	0.01			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 2.0			DNQ Est. Conc. 1.5			ND		
Total dissolved solids	mg/L	612	668	698	809	740	737	680	662	666
Total hardness (CaCO3)	mg/L	159	169	169	191	193	193	190	180	172
Total Kjeldahl Nitrogen (TKN)	mg/L	3.02	2.55	5.08	3.20	2.33	1.87	1.74	1.40	4.08
Total nitrogen	mg/L	10.2	10.1	12.3	8.31	8.46	8.71	7.70	7.43	11.1
Total phosphorus	mg/L	0.215	0.111	0.590	0.267	0.336	0.213	0.253	0.359	0.349
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			ND			ND		
Turbidity (flow proportioned avg daily value)	NTU	0.51	0.53	0.57	0.67	0.55	0.50	0.55	0.61	0.63
Uranium	pCi/L	ND			3.54			1.94		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	27.7	31.7	37.8	30.3	26.8	35.1	31.5	36.2	29.9

Long Beach Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Selenium	ug/L	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.78	7.5	4.3	EPA 200.8	2	0.02	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	0.02	0.20
Strontium-90	pCi/L	ND			ND	ND	ND			EPA 905.0		0.291 - 1.15	3.00
Sulfate	mg/L	90.1	85.6	78.4	78.4	101	133			EPA 300.0		0.050 - 0.110	2.50 - 5.00
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	0.059	ND	ND	ND	0.026	0.12			SM 5540C		0.019 - 0.03	0.050 - 0.10
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.25	0.50
Thallium	ug/L	ND			ND	ND	ND			EPA 200.8	1	0.010	0.25
Temperature	Degrees F	81.2	78.5	75.0	72.9	78.0	83.2	86(5)		EPA 170.1 (oF)			
Toluene	ug/L				81.4	ND	74.1			EPA 624	2	0.17	0.50
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND	ND	0.01			EPA 608			
Total coliform	No./100mL	ND	ND	ND	0.01	ND	0.01	(6)	(6)	SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 2.2			ND	ND	DNQ Est. Conc. 2.2			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	648	642	580	580	679	809			SM 2540C		2.7	55.6 - 83.3
Total hardness (CaCO3)	mg/L	177	166	164	159	177	193			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.84	3.70	3.18	1.40	2.83	5.08			EPA 351.2		0.130 - 0.170	0.200 - 0.500
Total nitrogen	mg/L	8.43	8.25	7.36	7.36	9.03	12.3			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.365	0.453	0.864	0.111	0.365	0.864			EPA 365.1		0.009 - 0.026	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.26	0.50
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.26	0.50
Tritium	pCi/L	ND			ND	ND	ND			EPA 906.0		305 - 354	500
Turbidity (flow proportioned avg daily value)	NTU	0.68	0.86	0.67	0.50	0.61	0.86	2		SM 2130B		0.12	0.12 - 0.50
Uranium	pCi/L	1.33			ND	1.70	3.54			EPA 908.0		0.118 - 0.191	1.00
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.42	0.50
Zinc	ug/L	30.6	32.4	40.3	26.8	32.5	40.3	156(4)		EPA 200.8	1	0.70	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 possible interference
(3) Wet weather limits apply when the maximum daily flow in Coyote Creek is equal to or greater than 156 cfs as measured at LACDPW flow gauging station F-345R (RSW-007)
(4) Dry weather limits apply when the maximum daily flow in Coyote Creek is less than 156 cfs as measured at LACDPW flow gauging station F-345R (RSW-007)
(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
2019 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	DNQ Est. Conc. 1.6						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	2.92						2.61		
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	3.23						2.80		
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	DNQ Est. Conc. 0.022						ND		
beta-BHC	ug/L	0.06						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant
2019 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	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.63	20.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.19 - 0.51	20.0 - 100
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.41	20.0 - 200
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.18 - 0.41	20.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.92 - 1.3	100
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.10 - 0.31	20.0 - 200
2,3,7,8-TCDD	pg/L				ND	ND	DNQ Est. Conc. 1.6	EPA 1613B		0.29 - 0.41	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.60 - 0.63	20.0 - 100
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.44 - 0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	1.5 - 2.8	100
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.37	20.0 - 100
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.21 - 0.64	20.0 - 200
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.28 - 0.50	20.0 - 100
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.44 - 0.69	20.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.54 - 0.81	20.0 - 100
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.58	20.0 - 100
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.32 - 0.63	20.0 - 100
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	1.3 - 1.6	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.10
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
Acenaphthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.22 - 0.50	20.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.50	20.0 - 200
Acrolein	ug/L				ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.50	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.002	0.10
Anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.56	20.0 - 200
Antimony	ug/L				2.61	2.77	2.92	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09 - 0.1	3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	1.0
Arsenic	ug/L				2.80	3.02	3.23	EPA 200.8	2	0.06	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.77 - 1.8	100
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.14 - 0.46	20.0 - 100
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.54	20.0 - 200
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.22 - 0.61	20.0 - 200
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.12 - 0.52	20.0 - 100
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.53	20.0 - 200
Beryllium	ug/L				ND	ND	DNQ Est. Conc. 0.022	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	0.03	0.06	EPA 608	0.005	0.002 - 0.004	0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.11 - 0.28	20.0 - 100

Los Coyotes Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
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	347	312	356	339	392	334	287	344	374
Bromodichloromethane	ug/L	ND						ND		
Bromoform	ug/L	ND						ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	0.90						DNQ Est. Conc. 0.19		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.18						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	13.9						11.2		
Chromium VI	ug/L	0.21						0.13		
Chromium, total	ug/L	11.9						6.18		
Chrysene	ug/L	ND						ND		
Copper	mg/L	0.09			0.11			0.13		
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						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	DNQ Est. Conc. 0.19						DNQ Est. Conc. 0.24		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	ND						DNQ Est. Conc. 0.02		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	3.32						2.02		
Mercury	ug/L	0.096						0.18		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	DNQ Est. Conc. 0.46						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	9.09						6.47		
Nitrobenzene	ug/L	ND						ND		
PCB-90/101/113	pg/L							DNQ Est. Conc. 440(1)		
PCB-105	pg/L							230		
PCB-110	pg/L							351		
PCB-114	pg/L							DNQ Est. Conc. 13		
PCB-118	pg/L							420(1)		
PCB-123	pg/L							DNQ Est. Conc. 11		

Los Coyotes Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.27	20.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.20 - 0.25	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.16 - 0.55	20.0 - 40.0
BOD5 20°C	mg/L	371	348	380	287	349	392	SM 5210B		0.6	120
Bromodichloromethane	ug/L				ND	ND	ND	EPA 624	2	0.20	0.50
Bromoform	ug/L				ND	ND	ND	EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.58	20.0 - 200
Cadmium	ug/L				DNQ Est. Conc. 0.19	0.45	0.90	EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L				ND	ND	DNQ Est. Conc. 0.18	EPA 624	2	0.17	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.43	0.50
Chloroform	ug/L				11.2	12.6	13.9	EPA 624	2	0.17	0.50
Chromium VI	ug/L				0.13	0.17	0.21	EPA 218.6 (Dissolved)		0.02	0.05
Chromium, total	ug/L				6.18	9.04	11.9	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.16 - 0.41	20.0 - 200
Copper	mg/L	0.14			0.09	0.1	0.14	EPA 200.8	0.0005	0	0
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.59	20.0 - 200
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.11 - 0.69	20.0 - 200
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.58	20.0 - 200
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.26 - 0.42	20.0 - 40.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.28 - 0.41	20.0 - 40.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L				DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.24	EPA 624	2	0.15	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.24 - 0.69	20.0
Fluorene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.35 - 0.58	20.0 - 200
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.02	EPA 608	0.02	0.0009 - 0.001	0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.47	20.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.33 - 0.96	20.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.53 - 2.0	100
Hexachloroethane	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.53	20.0 - 200
Isophorone	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.11 - 0.28	20.0
Lead	ug/L				2.02	2.67	3.32	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.096	0.14	0.18	EPA 245.1	0.5	0.012 - 0.017	0.04 - 0.050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.36	ND	DNQ Est. Conc. 0.46	EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.36 - 0.50	20.0 - 100
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.34 - 0.50	100
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.28 - 0.64	20.0
Naphthalene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.20	20.0
Nickel	ug/L				6.47	7.78	9.09	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.31	20.0
PCB-90/101/113	pg/L				DNQ Est. Conc. 440(1)	ND	DNQ Est. Conc. 440(1)	EPA 1668		5.9	610
PCB-105	pg/L				230	230	230	EPA 1668		6.2	20
PCB-110	pg/L				351	351	351	EPA 1668			
PCB-114	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		5.7	20
PCB-118	pg/L				420(1)	ND	420(1)	EPA 1668		5.6	20
PCB-123	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		5.8	20

Los Coyotes Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 470(1)		
PCB-158	pg/L							DNQ Est. Conc. 46		
PCB-167	pg/L							DNQ Est. Conc. 19		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 170		
PCB-177	pg/L							DNQ Est. Conc. 75		
PCB-183	pg/L							DNQ Est. Conc. 80		
PCB-187	pg/L							DNQ Est. Conc. 140		
PCB-189	pg/L							DNQ Est. Conc. 5.4		
PCB-194	pg/L							DNQ Est. Conc. 93		
PCB-201	pg/L							DNQ Est. Conc. 11		
PCB-206	pg/L							DNQ Est. Conc. 53		
PCB-37	pg/L							DNQ Est. Conc. 83		
PCB-44	pg/L							172		
PCB-52	pg/L							370(1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 420(1)		
PCB-66	pg/L							210(1)		
PCB-77	pg/L							68		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 330		
PCB-99	pg/L							DNQ Est. Conc. 160		
PCB128/166	pg/L							DNQ Est. Conc. 56(1)		
PCB135/151	pg/L							DNQ Est. Conc. 130		
PCB147/149	pg/L							DNQ Est. Conc. 290(1)		
PCB153/168	pg/L							DNQ Est. Conc. 320(1)		
PCB156/157	pg/L							63(1)		
PCB18/30	pg/L							DNQ Est. Conc. 85		
PCB180/193	pg/L							DNQ Est. Conc. 350		
PCB20/28	pg/L							DNQ Est. Conc. 230		
PCB49/69	pg/L							DNQ Est. Conc. 130		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	24.3						41.0		
pH	SU	7.5	7.7	7.3	7.3	7.1	7.2	7.2	7.3	7.4
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L							0.001880		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.92						1.39		
Silver	ug/L	1.84						0.39		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	DNQ Est. Conc. 0.014						ND		
Toluene	ug/L	3.9						2.6		
Total cyanide	mg/L	ND						DNQ Est. Conc. 0.0010		
Total suspended solids	mg/L	315	298	336	343	316	278	289	404	434
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	198						222		

Los Coyotes Water Reclamation Plant
2019 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		6.7	20
PCB-129/138/163	pg/L				DNQ Est. Conc. 470(1)	ND	DNQ Est. Conc. 470(1)	EPA 1668		2.6	610
PCB-158	pg/L				DNQ Est. Conc. 46	ND	DNQ Est. Conc. 46	EPA 1668		2.0	200
PCB-167	pg/L				DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668		5.4	20
PCB-169	pg/L				ND	ND	ND	EPA 1668		6.4	20
PCB-170	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		3.3	200
PCB-177	pg/L				DNQ Est. Conc. 75	ND	DNQ Est. Conc. 75	EPA 1668		2.7	200
PCB-183	pg/L				DNQ Est. Conc. 80	ND	DNQ Est. Conc. 80	EPA 1668		2.7	200
PCB-187	pg/L				DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		0.96	200
PCB-189	pg/L				DNQ Est. Conc. 5.4	ND	DNQ Est. Conc. 5.4	EPA 1668		1.1	20
PCB-194	pg/L				DNQ Est. Conc. 93	ND	DNQ Est. Conc. 93	EPA 1668		0.93	200
PCB-201	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		0.72	200
PCB-206	pg/L				DNQ Est. Conc. 53	ND	DNQ Est. Conc. 53	EPA 1668		0.60	200
PCB-37	pg/L				DNQ Est. Conc. 83	ND	DNQ Est. Conc. 83	EPA 1668		14	200
PCB-44	pg/L				172	172	172	EPA 1668			
PCB-52	pg/L				370(1)	ND	370(1)	EPA 1668		9.4	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 420(1)	ND	DNQ Est. Conc. 420(1)	EPA 1668		3.4	810
PCB-66	pg/L				210(1)	210	210(1)	EPA 1668		3.5	200
PCB-77	pg/L				68	68	68	EPA 1668		4.8	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		4.6	20
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 330	ND	DNQ Est. Conc. 330	EPA 1668		5.6	1200
PCB-99	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		5.0	200
PCB128/166	pg/L				DNQ Est. Conc. 56(1)	ND	DNQ Est. Conc. 56(1)	EPA 1668		2.3	410
PCB135/151	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		2.6	410
PCB147/149	pg/L				DNQ Est. Conc. 290(1)	ND	DNQ Est. Conc. 290(1)	EPA 1668		2.4	410
PCB153/168	pg/L				DNQ Est. Conc. 320(1)	ND	DNQ Est. Conc. 320(1)	EPA 1668		2.1	410
PCB156/157	pg/L				63(1)	63	63(1)	EPA 1668		7.7	41
PCB18/30	pg/L				DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85	EPA 1668		4.7	410
PCB180/193	pg/L				DNQ Est. Conc. 350	ND	DNQ Est. Conc. 350	EPA 1668		2.4	410
PCB20/28	pg/L				DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668		10	410
PCB49/69	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		8.6	410
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.62 - 0.82	20.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.31 - 0.59	20.0 - 100
Phenol	ug/L				24.3	32.7	41.0	EPA 625 & EPA 625.1	1	0.12 - 0.24	20.0
pH	SU	7.1	7.4	7.1	7.1	7.3	7.7	SM 4500 H+ B		1.00	1.00
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				0.001880	0.001880	0.001880	EPA 1668			
Pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.28 - 0.60	20.0 - 200
Selenium	ug/L				1.39	1.66	1.92	EPA 200.8	2	0.02	1.00
Silver	ug/L				0.39	1.1	1.84	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.25	0.50
Thallium	ug/L				ND	ND	DNQ Est. Conc. 0.014	EPA 200.8	1	0.010	0.25
Toluene	ug/L				2.6	3.3	3.9	EPA 624	2	0.17	0.50
Total cyanide	mg/L				ND	ND	DNQ Est. Conc. 0.0010	SM 4500 CN E	0.005	0.0010	0.0050
Total suspended solids	mg/L	540	554	481	278	382	554	SM 2540D		2.5	50.0 - 167
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.26	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	ug/L				198	210	222	EPA 200.8	1	0.70	1.00 - 20.0

(1) Blank contamination observed.

Los Coyotes WRP Effluent Monitoring

Los Coyotes Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,3-Trichloropropane	ug/L	ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND(1)						ND(1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND(1)						ND(1)		
1,2,3,4,7,8-HexaCDD	pg/L	ND(1)						ND(1)		
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.1(2)						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND		
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.3(1)						DNQ Est. Conc. 0.59(2)		
1,2,3,6,7,8-HexaCDF	pg/L	ND(1)						ND		
1,2,3,7,8-PentaCDD	pg/L	DNQ Est. Conc. 1.2						ND		
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 0.82(2)						ND(1)		
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 1.4						DNQ Est. Conc. 0.83(2)		
1,2,3,7,8,9-HexaCDF	pg/L	ND(1)						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
1,4-Dioxane	ug/L	2.3						2.4		
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	ND						ND(1)		
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 0.74						DNQ Est. Conc. 0.72		
2,3,7,8-TCDD	pg/L	DNQ Est. Conc. 2.0(2)						DNQ Est. Conc. 0.35(2)		
2,3,7,8-TetraCDF	pg/L	ND						ND(1)		
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. 0.25						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	1.13	1.38	0.935	1.52	0.925	1.47	1.05	1.02	0.302
Anthracene	ug/L	ND						ND		
Antimony	ug/L	2.28			1.91			2.09		
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	1.03			DNQ Est. Conc. 0.66			1.30		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant
2019 EFF-001 and Reuse 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	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.15 - 0.33	50 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.16 - 0.66	50 - 54
1,2,3,4,7,8-HexaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.23 - 0.36	50 - 54
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.1(2)			EPA 1613B		0.44 - 0.53	50 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	ND			EPA 1613B		0.22 - 0.78	50 - 54
1,2,3,6,7,8-HexaCDD	pg/L				DNQ Est. Conc. 0.59(2)	ND	DNQ Est. Conc. 1.3(1)			EPA 1613B		0.22 - 0.35	50 - 54
1,2,3,6,7,8-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.37 - 0.54	50 - 54
1,2,3,7,8-PentaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.28 - 0.58	50 - 54
1,2,3,7,8-PentaCDF	pg/L				ND(1)	ND	DNQ Est. Conc. 0.82(2)			EPA 1613B		0.26 - 0.38	50 - 54
1,2,3,7,8,9-HexaCDD	pg/L				DNQ Est. Conc. 0.83(2)	ND	DNQ Est. Conc. 1.4			EPA 1613B		0.21 - 0.33	50 - 54
1,2,3,7,8,9-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.22 - 0.23	50 - 54
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	1.0 - 5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,4-Dioxane	ug/L				2.3	2.4	2.4			SW846/8270MOD 1,4-Dioxane		0.19	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	1.0 - 10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.22 - 0.28	50 - 54
2,3,4,7,8-PentaCDF	pg/L				DNQ Est. Conc. 0.72	ND	DNQ Est. Conc. 0.74			EPA 1613B		0.28 - 0.41	50 - 54
2,3,7,8-TCDD	pg/L				DNQ Est. Conc. 0.35(2)	ND	DNQ Est. Conc. 2.0(2)			EPA 1613B		0.29 - 0.36	10 - 11
2,3,7,8-TetraCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.21 - 0.28	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 5.0
2,4,6-Trichlorophenol	ug/L				ND	ND	DNQ Est. Conc. 0.25			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	1.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	1.0 - 5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.50	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.856	1.09	1.33	0.302	1.08	1.52	10.5	5.5	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 10.0
Antimony	ug/L	1.26			1.26	1.89	2.28			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L				ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L	1.31			DNQ Est. Conc. 0.66	0.91	1.31			EPA 200.8	2	0.06	1.00
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 5.0

Los Coyotes Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
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	0.42	0.37	0.36	0.44	0.42	0.44	0.41	0.38	0.34
Bromodichloromethane	ug/L	2.9						0.82		
Bromoform	ug/L	ND						ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	DNQ Est. Conc. 0.021			DNQ Est. Conc. 0.020			ND		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	132	171	184	200	176	174	218	203	220
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	0.52						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	9.4						6.4		
Chromium III	ug/L	4.91			2.14			1.90		
Chromium VI	ug/L	0.16			0.07			DNQ Est. Conc. 0.04		
Chromium, total (24-hr composite)	ug/L	3.24			2.94			1.06		
Chromium, total (Grab)	ug/L	5.08			2.21			1.90		
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.14	1.77	1.34	1.58	1.38	3.96	3.90	5.02	4.21
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	DNQ Est. Conc. 0.73						DNQ Est. Conc. 0.65		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	8.5	8.2	8.4	7.4	7.9	7.8	7.8	7.6	6.9
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	0.436			0.492			0.419		
gamma-BHC (Lindane)	ug/L	0.02						DNQ Est. Conc. 0.002		
Gross alpha radioactivity	pCi/L	2.61			ND			ND		
Gross beta radioactivity	pCi/L	13.3			13.6			13.6		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ug/L	ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.19			DNQ Est. Conc. 0.13			0.45		
Mercury	ug/L	0.00345			0.0023				0.0018	
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND		
Methylene chloride	ug/L	ND						ND		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						DNQ Est. Conc. 0.55		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.007 - 0.013	0.020
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005 - 0.014	0.020
Beryllium	ug/L	ND			ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.11 - 0.28	1.0 - 5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 2.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 2.0
BOD5 20°C	mg/L	3.6	ND	ND	ND	0.30	3.6	45	20	SM 5210B		0.6	3
Boron	mg/L	0.40	0.38	0.44	0.34	0.40	0.44			EPA 200.8		0.008 - 0.017	0.020
Bromodichloromethane	ug/L				0.82	1.9	2.9			EPA 624	2	0.20	0.50
Bromoform	ug/L				ND	ND	ND			EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 10.0
Cadmium	ug/L	ND			ND	ND	DNQ Est. Conc. 0.021			EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.19	0.50
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	171	127	180	127	180	220			EPA 300.0		0.040 - 0.120	0.50 - 20.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L				ND	0.26	0.52			EPA 624	2	0.17	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.43	0.50
Chloroform	ug/L				6.4	7.9	9.4			EPA 624	2	0.17	0.50
Chromium III	ug/L	3.11			1.90	3.02	4.91			EPA 200.8			0.50
Chromium VI	ug/L	0.07			DNQ Est. Conc. 0.04	0.08	0.16			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chromium, total (24-hr composite)	ug/L	1.32			1.06	2.14	3.24			EPA 200.8	0.5	0.10	0.50
Chromium, total (Grab)	ug/L	3.18			1.90	3.09	5.08			EPA 200.8		0.10	0.50
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005 - 0.014	0.020
Copper	ug/L	4.16	4.41	1.91	1.34	2.98	5.02	32	12	EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	1.0 - 10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004 - 0.014	0.020
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 0.65	ND	DNQ Est. Conc. 0.73			EPA 625 & EPA 625.1	2	0.26 - 0.42	1.0 - 2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 2.0
Dissolved oxygen	mg/L	6.4	7.1	7.2	6.4	7.6	8.5			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		0	1
Fluoranthene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 10.0
Fluoride	mg/L	0.405			0.405	0.438	0.492			SM 4500 F C		0.004 - 0.049	0.100
gamma-BHC (Lindane)	ug/L				DNQ Est. Conc. 0.002	0.01	0.02			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L	ND			ND	0.653	2.61			EPA 900.0		3.06 - 8.63	3.00 - 5.85
Gross beta radioactivity	pCi/L	16.8			13.3	14.3	16.8			EPA 900.0		1.71 - 6.07	4.00
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.47	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.53 - 2.0	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	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 - 0.013	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0
Lead	ug/L	0.40			DNQ Est. Conc. 0.13	0.21	0.45			EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0022			0.0018	0.0024	0.00345			EPA 1631E		0.000047-0.00031	0.0005
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.14	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.36 - 0.50	1.0 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	DNQ Est. Conc. 0.55			EPA 625 & EPA 625.1	5	0.34 - 0.50	5.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.28 - 0.64	1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0

Los Coyotes Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Nickel	ug/L	3.58			3.88			2.64		
Nitrate + nitrite as nitrogen	mg/L	5.44	4.18	3.46	4.56	3.44	5.76	4.25	5.69	4.65
Nitrate as nitrogen	mg/L	5.22	3.95	3.31	4.36	3.35	5.50	4.06	5.26	4.31
Nitrite as nitrogen	mg/L	0.216	0.227	0.147	0.201	0.091	0.261	0.196	0.433	0.345
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	ND(1)						ND(1)		
OctaCDF	pg/L	ND(1)						ND(1)		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	1.50	2.12	1.56	1.46	1.55	1.55	1.50	1.32	1.79
Orthophosphate-P	mg/L	0.073	0.073	0.065	0.086	0.059	0.215	0.170	0.147	0.153
PCB-90/101/113	pg/L							DNQ Est. Conc. 22		
PCB-105	pg/L							DNQ Est. Conc. 5.7		
PCB-114	pg/L							ND		
PCB-118	pg/L							ND		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							ND(2)		
PCB-158	pg/L							DNQ Est. Conc. 0.88		
PCB-167	pg/L							DNQ Est. Conc. 0.66		
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							ND		
PCB-52	pg/L							DNQ Est. Conc. 24		
PCB-61/70/74/76	pg/L							ND		
PCB-66	pg/L							ND		
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 14		
PCB-99	pg/L							DNQ Est. Conc. 7.0		
PCB110/115	pg/L							DNQ Est. Conc. 20		
PCB128/166	pg/L							ND		
PCB135/151	pg/L							DNQ Est. Conc. 1.7(2)		
PCB147/149	pg/L							ND(1)		
PCB153/168	pg/L							ND		
PCB156/157	pg/L							ND		
PCB18/30	pg/L							ND		
PCB180/193	pg/L							DNQ Est. Conc. 3.8		
PCB20/28	pg/L							DNQ Est. Conc. 10		
PCB44/47/65	pg/L							DNQ Est. Conc. 200		
PCB49/69	pg/L							DNQ Est. Conc. 8.6		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.47						0.42		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	DNQ Est. Conc. 0.25						DNQ Est. Conc. 0.30		
pH	SU	7.6	7.6	7.6	7.6	7.7	7.6	7.5	7.6	7.6
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L	ND						ND		
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L							ND		
Pyrene	ug/L	ND						ND		
Radium 226 + Radium 228	pCi/L	ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.58			DNQ Est. Conc. 0.39			DNQ Est. Conc. 0.32		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND		
Strontium-90	pCi/L	ND			ND			ND		
Sulfate	mg/L	91.8	201	229	203	169	162	206	179	211
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	0.068	ND	0.075	0.076	0.085
Temperature	Degrees F	74.3	72.8	74.4	77.3	78.4	80.3	82.4	83.9	84.3
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND			ND			ND		
Toluene	ug/L	DNQ Est. Conc. 0.17						DNQ Est. Conc. 0.24		
Total chlorinated hydrocarbon (TICH)	ug/L	0.02			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND

Los Coyotes Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Nickel	ug/L	2.78			2.64	3.22	3.88			EPA 200.8	1	0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	4.61	5.01	6.15	3.44	4.77	6.15		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	4.28	4.43	5.94	3.31	4.50	5.94			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.329	0.582	0.208	0.091	0.27	0.582		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0
OctaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.21 - 0.47	100 - 110
OctaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.26 - 0.36	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.7 - 5.0
Organic nitrogen	mg/L	1.00	1.58	1.84	1.00	1.56	2.12			EPA351.2/SM4500 NH3 G		0.050 - 0.170	0.200
Orthophosphate-P	mg/L	0.128	0.137	0.064	0.059	0.11	0.215			EPA 365.1		0.006 - 0.008	0.030
PCB-90/101/113	pg/L				DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22			EPA 1668		0.86	610
PCB-105	pg/L				DNQ Est. Conc. 5.7	ND	DNQ Est. Conc. 5.7			EPA 1668		0.87	20
PCB-114	pg/L				ND	ND	ND			EPA 1668		0.83	20
PCB-118	pg/L				ND	ND	ND			EPA 1668		0.81	20
PCB-123	pg/L				ND	ND	ND			EPA 1668		0.86	20
PCB-126	pg/L				ND	ND	ND			EPA 1668		1.0	20
PCB-129/138/163	pg/L				ND(2)	ND	ND(2)			EPA 1668		0.54	610
PCB-158	pg/L				DNQ Est. Conc. 0.88	ND	DNQ Est. Conc. 0.88			EPA 1668		0.42	200
PCB-167	pg/L				DNQ Est. Conc. 0.66	ND	DNQ Est. Conc. 0.66			EPA 1668		0.45	20
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.55	20
PCB-170	pg/L				ND	ND	ND			EPA 1668		0.96	200
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.79	200
PCB-183	pg/L				ND	ND	ND			EPA 1668		0.80	200
PCB-187	pg/L				ND	ND	ND			EPA 1668		0.58	200
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.52	20
PCB-194	pg/L				ND	ND	ND			EPA 1668		0.48	200
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.48	200
PCB-206	pg/L				ND	ND	ND			EPA 1668		0.44	200
PCB-37	pg/L				ND	ND	ND			EPA 1668		2.6	200
PCB-52	pg/L				DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24			EPA 1668		1.9	200
PCB-61/70/74/76	pg/L				ND	ND	ND			EPA 1668		0.84	820
PCB-66	pg/L				ND	ND	ND			EPA 1668		0.87	200
PCB-77	pg/L				ND	ND	ND			EPA 1668		1.2	20
PCB-81	pg/L				ND	ND	ND			EPA 1668		1.1	20
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		0.81	1200
PCB-99	pg/L				DNQ Est. Conc. 7.0	ND	DNQ Est. Conc. 7.0			EPA 1668		0.73	200
PCB110/115	pg/L				DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20			EPA 1668		0.64	410
PCB128/166	pg/L				ND	ND	ND			EPA 1668		0.48	410
PCB135/151	pg/L				DNQ Est. Conc. 1.7(2)	ND	DNQ Est. Conc. 1.7(2)			EPA 1668		0.54	410
PCB147/149	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.49	410
PCB153/168	pg/L				ND	ND	ND			EPA 1668		0.43	410
PCB156/157	pg/L				ND	ND	ND			EPA 1668		0.61	41
PCB18/30	pg/L				ND	ND	ND			EPA 1668		4.2	410
PCB180/193	pg/L				DNQ Est. Conc. 3.8	ND	DNQ Est. Conc. 3.8			EPA 1668		0.70	410
PCB20/28	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668		2.1	410
PCB44/47/65	pg/L				DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200			EPA 1668		1.8	610
PCB49/69	pg/L				DNQ Est. Conc. 8.6	ND	DNQ Est. Conc. 8.6			EPA 1668		1.7	410
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.62 - 0.82	1.0
Perchlorate	ug/L				0.42	0.45	0.47			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 5.0
Phenol	ug/L				DNQ Est. Conc. 0.25	ND	DNQ Est. Conc. 0.30			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0
pH	SU	7.5	7.4	7.3	7.3	7.6	7.7			SM 4500 H+ B		1.00	1.00
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L				ND	ND	ND			EPA 608			
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				ND	ND	ND			EPA 1668			
Pyrene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 10.0
Radium 226 + Radium 228	pCi/L	ND			ND	ND	ND			Drinking H2O Rad. Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.37			DNQ Est. Conc. 0.32	ND	DNQ Est. Conc. 0.58			EPA 200.8	2	0.02	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	0.02	0.20
Strontium-90	pCi/L	ND			ND	ND	ND			EPA 905.0		0.241 - 1.24	3.00
Sulfate	mg/L	132	243	185	91.8	184	243			EPA 300.0		0.050 - 0.24	0.50 - 5.00
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	0.051	ND	ND	ND	0.030	0.085			SM 5540C		0.019 - 0.03	0.050 - 0.10
Temperature	Degrees F	82.0	79.1	75.1	72.8	78.7	84.3	86(3)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L				74.3	ND	74.3			EPA 624	2	0.25	0.50
Thallium	ug/L	ND			ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L				DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.24			EPA 624	2	0.17	0.50
Total chlorinated hydrocarbon (TICH)	ug/L	ND			ND	0.005	0.02			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(4)	(4)	SM 9222B		1	1

Los Coyotes Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Total cyanide	ug/L	DNQ Est. Conc. 2.38			ND			DNQ Est. Conc. 1.39		
Total dissolved solids	mg/L	750	823	923	943	837	820	950	893	970
Total hardness (CaCO3)	mg/L	242	256	246	258	257	267	270	269	265
Total Kjeldahl Nitrogen (TKN)	mg/L	2.62	3.10	2.50	2.98	2.48	3.02	2.55	2.34	2.09
Total nitrogen	mg/L	8.06	7.68	5.96	7.54	5.91	8.79	6.80	8.03	6.74
Total phosphorus	mg/L	0.120	0.123	0.110	0.142	0.090	0.278	0.238	0.217	0.227
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			ND			ND		
Turbidity (flow proportioned avg daily value)	NTU	0.58	0.61	0.55	0.60	0.62	0.67	0.68	0.59	0.56
Uranium	pCi/L	1.33			1.21			1.26		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	65.5			47.6			57.6		

Los Coyotes Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Total cyanide	ug/L	DNQ Est. Conc. 1.18			ND	ND	DNQ Est. Conc. 2.38	7.0	4.7	SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	760	898	845	750	868	970			SM 2540C		2.7	62.5 - 125
Total hardness (CaCO3)	mg/L	253	249	234	234	256	270			EPA200.8/SM2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.86	2.68	3.18	1.86	2.62	3.18			EPA 351.2		0.130 - 0.170	0.500
Total nitrogen	mg/L	6.47	7.68	9.32	5.91	7.42	9.32			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.182	0.202	0.121	0.090	0.17	0.278			EPA 365.1		0.009 - 0.026	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5 - 5.0
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.26	0.50
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.26	0.50
Tritium	pCi/L	ND			ND	ND	ND			EPA 906.0		275 - 364	500
Turbidity (flow proportioned avg daily value)	NTU	0.64	0.62	0.78	0.55	0.6	0.78	2		SM 2130B		0.12	0.12 - 0.50
Uranium	pCi/L	0.981			0.981	1.20	1.33			EPA 908.0		0.141 - 0.217	1.00
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.42	0.50
Zinc	ug/L	60.8			47.6	57.9	65.5			EPA 200.8	1	0.70	1.00

(1) Compound found in the blank and sample.
(2) Reported blanks were the estimated maximum possible concceen ntration of each analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative criteria and indicates possible interference.
(3) The temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature.
(4) The number of total coliform bacteria shall not exceed 2.2/10 000 m mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period and 240/100 mL in any sample.

Palmdale WRP Influent Monitoring

Palmdale Water Reclamation Plant
2019 Influent 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									
1,2,4-Trichlorobenzene	ug/L	ND									
1,3-Dichlorobenzene	ug/L	ND									ND
1,3-Dichloropropene (Total)	ug/L	ND									
1,4-Dichlorobenzene	ug/L	ND									ND
2-Chloroethyl vinyl ether (mixed)	ug/L	ND									
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	0.10									
alpha-Hexachlorocyclohexane (BHC)	ug/L	DNQ Est. Conc. 0.06									
Ammonia as nitrogen	mg/L	46.2	44.9	41.6	37.0	49.9	36.0	37.4	41.8	40.8	43.0
Anthracene	ug/L	ND									
Antimony	ug/L	0.74									
Arsenic	ug/L	DNQ Est. Conc. 0.98									
Benzene	ug/L	ND									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									

Palmdale Water Reclamation Plant
2019 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 & EPA 624.1	1	0.08 - 0.19	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.21 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.16 - 0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.12 - 0.13	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	1	0.21 - 0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.21 - 0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	1	0.14 - 0.15	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.20	20.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.19	100
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.21 - 0.25	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L	ND		ND	ND	ND	EPA 624 & EPA 624.1	1	0.19 - 0.28	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.13	200
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.18	100
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	0.92	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.10	200
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.63	100
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.88	40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	2.8	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.27	100
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.21	200
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.28	100
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.44	20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	0.81	100
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.27	100
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.32	100
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	0.10
4,4-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4'-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.22	20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Acrolein	ug/L	ND		ND	ND	ND	EPA 624 & EPA 624.1		0.64 - 0.70	2.0
Acrylonitrile	ug/L	ND		ND	ND	ND	EPA 624 & EPA 624.1		0.50 - 0.64	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.002	0.05
alpha-Endosulfan	ug/L			0.10	0.10	0.10	EPA 608	0.02	0.001	0.10
alpha-Hexachlorocyclohexane (BHC)	ug/L			DNQ Est. Conc. 0.06	ND	DNQ Est. Conc. 0.06	EPA 608	0.01	0.0005	0.10
Ammonia as nitrogen	mg/L	40.2	49.2	36.0	42.3	49.9	SM 4500 NH3 G		0.020	3.00 - 5.00
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Antimony	ug/L			0.74	0.74	0.74	EPA 200.8	0.5	0.07	0.50
Arsenic	ug/L			DNQ Est. Conc. 0.98	ND	DNQ Est. Conc. 0.98	EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.09 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.8	100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	0.14	100
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.22	200
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.12	100
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.020	0.25

Palmdale Water Reclamation Plant
2019 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
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	DNQ Est. Conc. 8.9									
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.47									0.61
Bromoform	ug/L	2.1									0.68
Butyl benzyl phthalate	ug/L	ND									
Cadmium	ug/L	0.21									
Carbon tetrachloride	ug/L	ND									ND
Chlordane	ug/L	ND									
Chlorobenzene	ug/L	ND									ND
Chlorodibromomethane	ug/L	1.3									0.98
Chloroethane	ug/L	ND									ND
Chloroform	ug/L	0.94									1.5
Chromium VI	ug/L	0.30									
Chromium, total	ug/L	3.98									
Chrysene	ug/L	ND									
Copper	ug/L	74.1									
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	18600			10300					23000	21000
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									ND
Fluoranthene	ug/L	ND									
Fluorene	ug/L	ND									
Gasoline range organics	ug/L	ND			ND					130	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	1.16									
Lindane (gamma-Hexachlorocyclohexa	ug/L	ND									
Mercury	ug/L						0.14				
Methyl bromide (Bromomethane)	ug/L	ND									ND
Methyl chloride (Chloromethane)	ug/L	ND									ND
Methylene chloride	ug/L	ND									ND
n-Nitrosodi-n-propylamine	ug/L	ND									
n-Nitrosodimethylamine (NDMA)	ug/L	ND									

Palmdale Water Reclamation Plant
2019 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
beta-Endosulfan	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.10
beta-Hexachlorocyclohexane	ug/L			ND	ND	ND	EPA 608	0.005	0.004	0.05
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.11	100
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.20	20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.20	40.0
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 8.9	ND	DNQ Est. Conc. 8.9	EPA 625	5	0.16	40.0
Bromodichloromethane	ug/L			DNQ Est. Conc. 0.47	0.31	0.61	EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L			0.68	1.4	2.1	EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Cadmium	ug/L			0.21	0.21	0.21	EPA 200.8	0.25	0.010	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.18 - 0.19	0.50
Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.02	0.50
Chlorobenzene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.10 - 0.22	0.50
Chlorodibromomethane	ug/L			0.98	1.1	1.3	EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.31 - 0.43	0.50
Chloroform	ug/L			0.94	1.2	1.5	EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chromium VI	ug/L	ND		ND	0.15	0.30	EPA 218.6 (Dissolved)		0.014 - 0.02	0.05
Chromium, total	ug/L			3.98	3.98	3.98	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.16	200
Copper	ug/L			74.1	74.1	74.1	EPA 200.8	0.5	0.05	0.50
delta-Hexachlorocyclohexane	ug/L			ND	ND	ND	EPA 608	0.005	0.001	0.05
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.11	200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.13	200
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Diesel range organics	ug/L			10300	18225	23000	SW8015 Diesel/Oil Organics		39 - 480	1000 - 2500
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.26	40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.28	40.0
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002	0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.24	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.35	200
Gasoline range organics	ug/L			ND	32.5	130	SW8015 Gas-Range Organics		9 - 25	50 - 250
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0009	0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.33	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.53	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.13	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.11	20.0
Lead	ug/L			1.16	1.16	1.16	EPA 200.8	0.5	0.01	0.25
Lindane (gamma-Hexachlorocyclohexa	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.10
Mercury	ug/L			0.14	0.14	0.14	EPA 245.1	0.5	0.012	0.040
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.30 - 0.48	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.41 - 0.42	0.50
Methylene chloride	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.30 - 0.46	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 1625B (Modified) & EPA 625	5	0.0006 - 0.50	0.020 - 100
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 1625B (Modified) & EPA 625		0.0005 - 0.34	0.020 - 100

Palmdale Water Reclamation Plant
2019 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
n-Nitrosodiphenylamine	ug/L	ND									
Naphthalene	ug/L	ND									
Nickel	ug/L	3.28									
Nitrate as nitrogen	mg/L	ND	ND	ND	ND	ND	0.365	0.326	ND	ND	ND
Nitrobenzene	ug/L	ND									
Pentachlorophenol	ug/L	ND									
Phenanthrene	ug/L	ND									
Phenols	ug/L	110									
Phenol	ug/L	48.6									
Pyrene	ug/L	ND									
Selenium	ug/L	1.17									
Silver	ug/L	0.42									
Tetrachloroethene	ug/L	ND									ND
Thallium	ug/L	ND									
Toluene	ug/L	2.2									1.5
Total BOD5	mg/L	423	370	322	301	368	392	373	338	375	345
Total COD	mg/L	918	838	830	803	918	835	852	838	826	727
Total cyanide	ug/L	ND									
Total dissolved solids	mg/L	543						431			500
Total Kjeldahl Nitrogen (TKN)	mg/L	71.2	61.8	63.2	57.8	71.5	54.5	60.2	58.0	53.5	61.2
Total trihalomethanes	ug/L	4.3									3.8
Toxaphene	ug/L	ND									
trans-1,2-Dichloroethene	ug/L	ND									ND
Trichloroethene	ug/L	ND									ND
Vinyl chloride	ug/L	ND									ND
Zinc	ug/L	572									

Palmdale Water Reclamation Plant
2019 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.28	20.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.13	20.0
Nickel	ug/L			3.28	3.28	3.28	EPA 200.8	1	0.07	1.00
Nitrate as nitrogen	mg/L	ND	0.297	ND	0.0823	0.365	SM 4500 NO3 F		0.030	0.200
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	20.0
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.62	20.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.31	100
Phenols	ug/L			110	110	110	EPA 420.1		2	30
Phenol	ug/L			48.6	48.6	48.6	EPA 625	1	0.12	20.0
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.28	200
Selenium	ug/L			1.17	1.17	1.17	EPA 200.8	2	0.02	1.00
Silver	ug/L			0.42	0.42	0.42	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.18 - 0.25	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L			1.5	1.9	2.2	EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
Total BOD5	mg/L	292	386	292	357	423	SM 5210B		0.6	100
Total COD	mg/L	691	610	610	807	918	SM 5220D (std)		8.5	25.0 - 50.0
Total cyanide	ug/L			ND	ND	ND	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			431	491	543	SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	60.5	59.0	53.5	61.0	71.5	EPA 351.2		0.135	5.00
Total trihalomethanes	ug/L			3.8	4.1	4.3	EPA 624 & EPA 624.1			
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.05	5.0
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	1	0.06 - 0.26	0.50
Trichloroethene	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.15 - 0.26	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624 & EPA 624.1	2	0.25 - 0.42	0.50
Zinc	ug/L			572	572	572	EPA 200.8	1	0.70	20.0

Palmdale WRP Effluent Monitoring

Palmdale Water Reclamation Plant
2019 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									
2-Chloronaphthalene	ug/L		ND								ND
2-Chlorophenol	ug/L		ND								ND
2-Methyl-4,6-dinitrophenol	ug/L		ND								ND
2-Nitrophenol	ug/L		ND								ND
2,4-Dichlorophenol	ug/L		ND								ND
2,4-Dimethylphenol	ug/L		ND								ND
2,4-Dinitrophenol	ug/L		ND								ND
2,4-Dinitrotoluene	ug/L		ND								ND
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.34								ND
2,6-Dinitrotoluene	ug/L		ND								ND
3-Methyl-4-chlorophenol	ug/L		ND								ND
3,3'-Dichlorobenzidine	ug/L		ND								ND
4-Bromophenyl phenyl ether	ug/L		ND								ND
4-Chlorophenyl phenyl ether	ug/L		ND								ND
4-Nitrophenol	ug/L		ND								ND
4,4'-DDD	ug/L	ND									ND
4,4'-DDE	ug/L	ND									ND
4,4'-DDT	ug/L	ND									ND
Acenaphthene	ug/L		ND								ND
Acenaphthylene	ug/L		ND								ND
Acrolein	ug/L	ND									
Acrylonitrile	ug/L	ND									
Aldrin	ug/L	ND									ND
alpha-Endosulfan	ug/L	ND									ND
alpha-Hexachlorocyclohexane (BHC)	ug/L	ND									ND
Ammonia as nitrogen	mg/L	2.54	3.10	2.70	2.52	2.62	1.93	1.15	1.25	1.37	4.51
Anthracene	ug/L		ND								ND
Antimony	ug/L	DNQ Est. Conc. 0.46									0.53
Arsenic	ug/L	DNQ Est. Conc. 0.31									DNQ Est. Conc. 0.26
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	3.8	ND	ND	ND	ND	ND	4.6	ND
Bromodichloromethane	ug/L	1.5			0.84					1.1	1.0
Bromoform	ug/L	DNQ Est. Conc. 0.40			0.51					ND	ND
Butyl benzyl phthalate	ug/L		ND								ND
Cadmium	ug/L	ND									ND
Calcium	mg/L	35.3			31.1					28.2	29.4
Carbon tetrachloride	ug/L	ND									ND
Chemical oxygen demand (COD)	mg/L	ND	ND	30.6	ND	ND	ND	ND	ND	ND	ND
Chlordane	ug/L	ND									ND
Chloride	mg/L	180			160					141	141
Chlorobenzene	ug/L	ND									ND
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.44			0.62					ND	DNQ Est. Conc. 0.13
Chloroethane	ug/L	ND									ND
Chloroform	ug/L	6.8			3.4					4.4	5.5
Chromium VI	ug/L	ND									ND
Chromium, total	ug/L	0.55									1.19
Chrysene	ug/L	ND									ND
Copper	ug/L	1.33									1.14
delta-Hexachlorocyclohexane	ug/L	ND									ND
Di-n-butyl phthalate	ug/L		ND								ND

Palmdale Water Reclamation Plant
2019 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 & EPA 624.1	1	0.08 - 0.19	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.16 - 0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.12 - 0.13	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	1	0.21 - 0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	1	0.14 - 0.15	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0 - 4.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	4.0 - 5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.25	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L	ND		ND	ND	ND			EPA 624 & EPA 624.1	1	0.19 - 0.28	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	4.0 - 10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	4.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0 - 20.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	4.0 - 10.0
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	4.0 - 5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	2.0 - 4.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0 - 20.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	4.0 - 5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	DNQ Est. Conc. 0.34			EPA 625 & EPA 625.1	10	0.21 - 0.64	4.0 - 10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	4.0 - 5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0 - 4.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	4.0 - 5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	4.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	4.0 - 5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0 - 20.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.0070	0.01 - 0.50
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001 - 0.0070	0.01 - 0.50
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.011	0.01 - 0.50
Acenaphthene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0 - 4.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	4.0 - 10.0
Acrolein	ug/L	ND		ND	ND	ND			EPA 624 & EPA 624.1		0.64 - 0.70	2.0
Acrylonitrile	ug/L	ND		ND	ND	ND			EPA 624 & EPA 624.1		0.50 - 0.64	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.002 - 0.010	0.005 - 0.50
alpha-Endosulfan	ug/L			ND	ND	ND			EPA 608	0.02	0.001 - 0.0090	0.01 - 0.50
alpha-Hexachlorocyclohexane (BHC)	ug/L			ND	ND	ND			EPA 608	0.01	0.0005 - 0.011	0.01 - 0.50
Ammonia as nitrogen	mg/L	2.08	1.15	1.15	2.24	4.51			SM 4500 NH3 G		0.020	0.100 - 1.00
Anthracene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	4.0 - 10.0
Antimony	ug/L			DNQ Est. Conc. 0.46	0.27	0.53			EPA 200.8	0.5	0.07	0.50
Arsenic	ug/L			DNQ Est. Conc. 0.26	ND	DNQ Est. Conc. 0.31			EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.09 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0 - 20.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	4.0 - 5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007 - 0.013	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	4.0 - 5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-Endosulfan	ug/L			ND	ND	ND			EPA 608	0.01	0.003 - 0.0070	0.01 - 0.50
beta-Hexachlorocyclohexane	ug/L			ND	ND	ND			EPA 608	0.005	0.004 - 0.015	0.005 - 0.50
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.11 - 0.28	4.0 - 5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0 - 4.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	2.0 - 4.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 4.0
BOD5, filtered	mg/L	3.6	4.0	ND	1.3	4.6	30	10	SM 5210B		0.6	3
Bromodichloromethane	ug/L			0.84	1.1	1.5			EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L			ND	0.13	0.51			EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	4.0 - 10.0
Cadmium	ug/L			ND	ND	ND			EPA 200.8	0.25	0.010 - 0.066	0.20
Calcium	mg/L			28.2	31.0	35.3			EPA 200.8		0.006	0.020
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.19	0.50
Chemical oxygen demand (COD)	mg/L	25.5	ND	ND	4.68	30.6			SM 5220D (std)		8.5	25.0
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.02 - 0.80	0.05 - 5.0
Chloride	mg/L			141	156	180			EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.10 - 0.22	0.50
Chlorodibromomethane	ug/L			ND	0.16	0.62			EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.31 - 0.43	0.50
Chloroform	ug/L			3.4	5.0	6.8			EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chromium VI	ug/L			ND	ND	ND			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chromium, total	ug/L			0.55	0.87	1.19			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
Copper	ug/L			1.14	1.24	1.33			EPA 200.8	0.5	0.05	0.50
delta-Hexachlorocyclohexane	ug/L			ND	ND	ND			EPA 608	0.005	0.001 - 0.019	0.005 - 0.50
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	4.0 - 10.0

Palmdale Water Reclamation Plant
2019 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Di-n-octyl phthalate	ug/L		ND								ND
Dibenzo(a,h)anthracene	ug/L	ND									ND
Dibromoacetic acid	ug/L	DNQ Est. Conc. 0.32			DNQ Est. Conc. 0.16					ND	ND
Dichloroacetic acid	ug/L	17			14					13	15
Dieldrin	ug/L	ND									ND
Diesel range organics	ug/L	131			175					170	140
Diethyl phthalate	ug/L		ND								ND
Dimethyl phthalate	ug/L		ND								ND
Dissolved oxygen	mg/L	7.8	8.0	8.2	7.9	7.5	7.4	7.3	6.9	6.7	7.3
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	DNQ Est. Conc. 9
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. 0.04									DNQ Est. Conc. 0.05
Lindane (gamma-Hexachlorocyclohexane)	ug/L	DNQ Est. Conc. 0.009									ND
Magnesium	mg/L	12.9			11.3					9.0	8.8
Mercury	ug/L	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									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								ND
n-Nitrosodimethylamine (NDMA)	ug/L	0.28			1.2					0.40	0.54
n-Nitrosodiphenylamine	ug/L	ND	ND								ND
Naphthalene	ug/L		ND								ND
Nickel	ug/L	1.10									1.55
Nitrate as nitrogen	mg/L	2.97	2.66	2.80	1.92	2.25	2.24	1.25	1.89	3.59	5.55
Nitrite as nitrogen	mg/L	0.098	0.098	0.106	0.053	0.116	0.060	0.047	0.034	0.042	0.112
Nitrobenzene	ug/L		ND								ND
Pentachlorophenol	ug/L		ND								ND
Phenanthrene	ug/L		ND								ND
Phenols	ug/L	6									ND
Phenol	ug/L		DNQ Est. Conc. 0.13								ND
pH	SU	6.6	7.0	7.2	6.9	7.3	7.5	7.2	7.2	7.2	7.4
Pyrene	ug/L		ND								ND
Selenium	ug/L	DNQ Est. Conc. 0.21									DNQ Est. Conc. 0.13
Silver	ug/L	ND									ND
Sodium	mg/L	139			120					109	108
Sulfate	mg/L	73.6			71.3					53.2	56.4
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Temperature	°C	19.8	17.4	19.4	20.4	21.4	23.0	25.5	26.1	25.7	23.8
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	525			471			410			441
Total haloacetic acids	ug/L	23			20					16	19
Total Kjeldahl Nitrogen (TKN)	mg/L	4.06	3.60	7.35	3.70	4.08	2.84	2.64	1.93	3.23	7.47
Total Organic Carbon	mg/L	6.11	5.76	6.18	6.52					5.99	5.92
Total trihalomethanes	ug/L	8.3			5.4					5.5	6.5
Toxaphene	ug/L	ND									ND
trans-1,2-Dichloroethene	ug/L	ND									ND
Trichloroacetic acid	ug/L	6.3			6.2					2.8	3.6
Trichloroethene	ug/L	ND									ND
Vinyl chloride	ug/L	ND									ND
Zinc	ug/L	106									88.5

Palmdale Water Reclamation Plant
2019 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	4.0 - 10.0
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.014	0.020
Dibromoacetic acid	ug/L			ND	ND	DNQ Est. Conc. 0.32			EPA 552.2 & EPA 552.3		0.13 - 0.32	1.0
Dichloroacetic acid	ug/L			13	15	17			EPA 552.2 & EPA 552.3		0.37 - 0.41	1.0
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.0080	0.01 - 0.50
Diesel range organics	ug/L			131	154	175			SW8015 Diesel/Oil Organics		24 - 39	100
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.26 - 0.42	2.0 - 4.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	2.0 - 4.0
Dissolved oxygen	mg/L	7.4	7.9	6.7	7.5	8.2	≥ 1		HACH 10360 LDO			0.2
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.013	0.01 - 0.50
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.019	0.01 - 0.50
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.017	0.01 - 0.50
Ethylbenzene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0 - 4.0
Fluorene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	4.0 - 10.0
Gasoline range organics	ug/L			ND	ND	DNQ Est. Conc. 9			SW8015 Gas-Range Organics		9 - 25	50
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.0040	0.01 - 0.50
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0009 - 0.0060	0.01 - 0.50
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.47	1.0 - 4.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0 - 4.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.53 - 2.0	5.0 - 20.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	1.0 - 4.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.013	0.020
Isophorone	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0 - 4.0
Lead	ug/L			DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.05			EPA 200.8	0.5	0.01	0.25
Lindane (gamma-Hexachlorocyclohexane)	ug/L			ND	ND	DNQ Est. Conc. 0.009			EPA 608	0.02	0.001 - 0.0040	0.01 - 0.50
Magnesium	mg/L			8.8	11	12.9			EPA 200.8		0.001	0.020
Mercury	ug/L		0.0028	0.0010	0.0019	0.0028			EPA 1631E		0.000047 - 0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.48	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.41 - 0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624 & EPA 624.1		0.08 - 0.14	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.46	0.50
Monobromoacetic acid	ug/L			ND	ND	ND			EPA 552.2 & EPA 552.3		0.21 - 0.39	1.0
Monochloroacetic acid	ug/L			ND	ND	ND			EPA 552.2 & EPA 552.3		0.32 - 0.34	2.0
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 1625B (Modified), EPA 625 & EPA 625.1		0.0006 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L			0.28	0.61	1.2			EPA 1625B (Modified)		0.0005	0.0020 - 0.010
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 1625B (Modified), EPA 625 & EPA 625.1		0.0013 - 0.64	0.010 - 4.0
Naphthalene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0 - 4.0
Nickel	ug/L			1.10	1.33	1.55			EPA 200.8	1	0.07	1.00
Nitrate as nitrogen	mg/L	6.12	5.19	1.25	3.20	6.12			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.175	0.031	0.031	0.081	0.175			SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0 - 4.0
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.62 - 0.82	1.0 - 4.0
Phenanthrene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	4.0 - 5.0
Phenols	ug/L			ND	3	6			EPA 420.1		2 - 5	6
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.13			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0 - 4.0
pH	SU	7.1	6.8	6.6	7.1	7.5	6<pH<9		SM 4500 H+ B		1.00	1.00
Pyrene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	4.0 - 10.0
Selenium	ug/L			DNQ Est. Conc. 0.13	ND	DNQ Est. Conc. 0.21			EPA 200.8	2	0.02	1.00
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Sodium	mg/L			108	119	139			EPA 200.8		0.033	1.0 - 4.0
Sulfate	mg/L			53.2	63.6	73.6			EPA 300.0		0.050 - 0.110	2.50
Surfactant (MBAS)	mg/L			ND	ND	ND	2	1	SM 5540C		0.03	0.10
Temperature	°C	22.4	19.8	17.4	22.1	26.1			EPA 170.1 (oC)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.25	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.17	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			410	462	525			SM 2540C		2.7	25.0
Total haloacetic acids	ug/L			16	20	23			EPA 552.2 & EPA 552.3		1.0	1.0
Total Kjeldahl Nitrogen (TKN)	mg/L	4.42	3.50	1.93	4.07	7.47			EPA 351.2		0.045 - 0.135	0.333 - 1.00
Total Organic Carbon	mg/L			5.76	6.08	6.52			SM 5310C		0.08	2.50
Total trihalomethanes	ug/L			5.4	6.4	8.3			EPA 624 & EPA 624.1			
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.05 - 1.2	0.5 - 20
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	1	0.06 - 0.26	0.50
Trichloroacetic acid	ug/L			2.8	4.7	6.3			EPA 552.2 & EPA 552.3		0.22 - 0.28	1.0
Trichloroethene	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.26	0.50
Vinyl chloride	ug/L			ND	ND	ND			EPA 624 & EPA 624.1	2	0.25 - 0.42	0.50
Zinc	ug/L			88.5	97.3	106			EPA 200.8	1	0.70	1.00

Palmdale WRP Biosolids Monitoring

Biosolids Annual Report Landing Page / LACSD - PALMDALE WRP

NPDES ID: CAL000446
Facility Status: Active
Facility Name: LACSD - PALMDALE WRP
P.O. BOX 4998 WHITTIER, CA 90607

View Annual Report

EPA	**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY** **WASHINGTON, DC 20460** **BIOSOLIDS ANNUAL REPORT**	**FORM** **Approved OMB No.** **2040-0004**

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' 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.

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit confidential business information (CBI) or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk (NPDESereporting@epa.gov (mailto:NPDESereporting@epa.gov)) for further guidance.

Furthermore, CWA section 308(b) and 40 CFR 122.7 require EPA to make effluent data available to the public. EPA's CWA CBI regulation defines "effluent data" as, "A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources…" See 40 CFR 2.302(a)(2)(C). Thus, effluent data will not be protected as CBI and will be made publicly available.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

Program Information

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 part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- 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

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

1827

Reporting Period Start Date: 01/01/2019 **Reporting Period End Date:** 12/31/2019

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):
Air Drying (or Sludge Drying Beds)
Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Thickening (Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter)
Preliminary Operations (e.g., sludge grinding, degritting, blending)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6020 - Arsenic (ICP-MS)
- EPA Method 6020 - Cadmium (ICP-MS)
- EPA Method 6020 - Chromium (ICP-MS)
- EPA Method 6020 - Copper (ICP-MS)
- EPA Method 6020 - Lead (ICP-MS)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6020 - Molybdenum (ICP-MS)
- EPA Method 6020 - Nickel (ICP-MS)
- EPA Method 6020 - Selenium (ICP-MS)
- EPA Method 6020 - Zinc (ICP-MS)
- Standard Method 4500-NH3 - Ammonia Nitrogen
- Standard Method 4500-Norg - Organic Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids

Other Analytical Methods

- Other Nitrate Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  SM 4500-NO3

- Other Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  Total Nitrogen Calculation

- Other Total Kjeldahl Nitrogen Analytical Method

Other Analytical Methods Text Area:

EPA 351.2

Sludge Management - Land Application

ID: 003

Amount: 666

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL000718

Facility Information:
SYNAGRO SOUTH KERN COMPOST MANUFACTURING
2653 Santiago Road
Taft, CA 93268

Contact Information:
Robert Ford
Business Development Manager
661-765-7643
robertford@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1 | **Compliance Monitoring Period Start Date:** 01/01/2019 | **Compliance Monitoring Period End Date:** 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.91	
Cadmium	=	1.7	
Copper	=	438	
Lead	=	6.14	
Mercury	=	0.88	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	12.1	
Nickel	=	19.8	
Selenium	=	5.3	
Zinc	=	2170	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	71	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.91	
Cadmium	=	1.7	
Copper	=	438	
Lead	=	6.14	
Mercury	=	0.88	
Nickel	=	19.8	
Selenium	=	5.3	
Zinc	=	2170	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	59800	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date: 03/01/2019

Compliance Monitoring Period End Date: 04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3	
Cadmium	=	1.7	
Copper	=	437	
Lead	=	6.56	
Mercury	=	0.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	12	
Nickel	=	21.6	
Selenium	=	5.5	
Zinc	=	2000	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	75	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3	
Cadmium	=	1.7	
Copper	=	437	
Lead	=	6.56	
Mercury	=	0.9	
Nickel	=	21.6	
Selenium	=	5.5	
Zinc	=	2000	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	69300	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 05/01/2019

Compliance Monitoring Period End Date: 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3.16	
Cadmium	=	1.9	
Copper	=	396	
Lead	=	6.25	
Mercury	=	0.95	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	14.1	
Nickel	=	28.8	
Selenium	=	5.1	
Zinc	=	1920	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	67	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3.16	
Cadmium	=	1.9	
Copper	=	396	
Lead	=	6.25	
Mercury	=	0.95	
Nickel	=	28.8	
Selenium	=	5.1	
Zinc	=	1920	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	70800	

Compliance Monitoring Event No. 4

Compliance Monitoring Period Start Date: 07/01/2019

Compliance Monitoring Period End Date: 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.8	
Cadmium	=	2.5	
Copper	=	457	
Lead	=	5.86	
Mercury	=	1.1	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	15.4	
Nickel	=	31.5	
Selenium	=	5.1	
Zinc	=	1880	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	62	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.8	
Cadmium	=	2.5	
Copper	=	457	
Lead	=	5.86	
Mercury	=	1.1	
Nickel	=	31.5	
Selenium	=	5.1	
Zinc	=	1880	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	70000	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date: 09/01/2019

Compliance Monitoring Period End Date: 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.95	
Cadmium	=	3	
Copper	=	487	
Lead	=	6.2	
Mercury	=	1.23	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	13.3	
Nickel	=	29.5	
Selenium	=	5.3	
Zinc	=	2160	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	63	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.95	
Cadmium	=	3	
Copper	=	487	
Lead	=	6.2	
Mercury	=	1.23	
Nickel	=	29.5	
Selenium	=	5.3	
Zinc	=	2160	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	65600	

Compliance Monitoring Event No. 6 | **Compliance Monitoring Period Start Date:** 11/01/2019 | **Compliance Monitoring Period End Date:** 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3.09	
Cadmium	=	2.8	
Copper	=	490	
Lead	=	6.15	
Mercury	=	0.66	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	13.7	
Nickel	=	26.1	
Selenium	=	5.5	
Zinc	=	2300	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	67	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3.09	
Cadmium	=	2.8	
Copper	=	490	
Lead	=	6.15	
Mercury	=	0.66	
Nickel	=	26.1	
Selenium	=	5.5	
Zinc	=	2300	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	74700	

ID: 004

Amount: 1161

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL010500

Facility Information:
NURSERY PRODUCTS HAWES COMPOSTING FACILITY
P.O. Box 1439
Helendale, CA 94342

Contact Information:
Robert Ford
Business Development Manager
661-765-7643
robertford@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☐ NO ☑ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1 | **Compliance Monitoring Period Start Date:** 01/01/2019 | **Compliance Monitoring Period End Date:** 02/28/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.91	
Cadmium	=	1.7	
Copper	=	438	
Lead	=	6.14	
Mercury	=	0.88	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	12.1	
Nickel	=	19.8	
Selenium	=	5.3	
Zinc	=	2170	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	71	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.91	
Cadmium	=	1.7	
Copper	=	438	
Lead	=	6.14	
Mercury	=	0.88	
Nickel	=	19.8	
Selenium	=	5.3	
Zinc	=	2170	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	59800	

Compliance Monitoring Event No. 2 | **Compliance Monitoring Period Start Date:** 03/01/2019 | **Compliance Monitoring Period End Date:** 04/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3	
Cadmium	=	1.7	
Copper	=	437	
Lead	=	6.56	
Mercury	=	0.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	12	
Nickel	=	21.6	
Selenium	=	5.5	
Zinc	=	2000	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	75	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3	
Cadmium	=	1.7	
Copper	=	437	
Lead	=	6.56	
Mercury	=	0.9	
Nickel	=	21.6	
Selenium	=	5.5	
Zinc	=	2000	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	69300	

Compliance Monitoring Event No. 3 | **Compliance Monitoring Period Start Date:** 05/01/2019 | **Compliance Monitoring Period End Date:** 06/30/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3.16	
Cadmium	=	1.9	
Copper	=	396	
Lead	=	6.25	
Mercury	=	0.95	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	14.1	
Nickel	=	28.8	
Selenium	=	5.1	
Zinc	=	1920	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	67	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3.16	
Cadmium	=	1.9	
Copper	=	396	
Lead	=	6.25	
Mercury	=	0.95	
Nickel	=	28.8	
Selenium	=	5.1	
Zinc	=	1920	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	70800	

Compliance Monitoring Event No. 4

Compliance Monitoring Period Start Date: 07/01/2019

Compliance Monitoring Period End Date: 08/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.8	
Cadmium	=	2.5	
Copper	=	457	
Lead	=	5.86	
Mercury	=	1.1	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	15.4	
Nickel	=	31.5	
Selenium	=	5.1	
Zinc	=	1880	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	62	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.8	
Cadmium	=	2.5	
Copper	=	457	
Lead	=	5.86	
Mercury	=	1.1	
Nickel	=	31.5	
Selenium	=	5.1	
Zinc	=	1880	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	70000	

Compliance Monitoring Event No. 5 | **Compliance Monitoring Period Start Date:** 09/01/2019 | **Compliance Monitoring Period End Date:** 10/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.95	
Cadmium	=	3	
Copper	=	487	
Lead	=	6.2	
Mercury	=	1.23	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	13.3	
Nickel	=	29.5	
Selenium	=	5.3	
Zinc	=	2160	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	63	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	2.95	
Cadmium	=	3	
Copper	=	487	
Lead	=	6.2	
Mercury	=	1.23	
Nickel	=	29.5	
Selenium	=	5.3	
Zinc	=	2160	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	65600	

Compliance Monitoring Event No. 6 | **Compliance Monitoring Period Start Date:** 11/01/2019 | **Compliance Monitoring Period End Date:** 12/31/2019

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES ☐ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's 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 (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3.09	
Cadmium	=	2.8	
Copper	=	490	
Lead	=	6.15	
Mercury	=	0.66	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Molybdenum	=	13.7	
Nickel	=	26.1	
Selenium	=	5.5	
Zinc	=	2300	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform			F (No Sampling or Analysis Conducted - Other Reason)
Salmonella			F (No Sampling or Analysis Conducted - Other Reason)

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	67	

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

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	3.09	
Cadmium	=	2.8	
Copper	=	490	
Lead	=	6.15	
Mercury	=	0.66	
Nickel	=	26.1	
Selenium	=	5.5	
Zinc	=	2300	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	74700	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

Additional Attachments

Name	Created Date	Size
2019 Palmdale_NANI_Data_Summary.pdf	02/11/2020 3:10 PM	80.64 KB

Certification Information

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 gathered and evaluated 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 have no personal knowledge that the information submitted is other than 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. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Matthew J. Bao (MATTHEWBAO)

Certified On: 02/18/2020 2:03 PM

2019 BIOSOLIDS MANAGEMENT PROGRAM
Palmdale Water Reclamation Plant
mg/kg Dry Weight (unless otherwise noted)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
19010900082	1/8/2019	21.1	2.91	1.7	51.5	438	6.14	0.88	12.1	19.8	5.3	2,170
19030500393	3/5/2019	19.6	3.00	1.7	52.9	437	6.56	0.90	12.0	21.6	5.5	2,000
19050700410	5/7/2019	19.4	3.16	1.9	69.0	396	6.25	0.95	14.1	28.8	5.1	1,920
19070900374	7/9/2019	20.1	2.80	2.5	61.2	457	5.86	1.10	15.4	31.5	5.1	1,880
19091000370	9/10/2019	21.2	2.95	3.0	58.5	487	6.20	1.23	13.3	29.5	5.3	2,160
19110600204	11/5/2019	18.4	3.09	2.8	59.1	490	6.15	0.66	13.7	26.1	5.5	2,300
MEAN		**20.0**	**2.99**	**2.3**	**58.7**	**451**	**6.19**	**0.95**	**13.4**	**26.2**	**5.3**	**2,070**
MAX			**3.16**	**3.0**	**69.0**	**490**	**6.56**	**1.23**	**15.4**	**31.5**	**5.5**	**2,300**
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	Amm-N	Org-N	NO_3-N	NO_2-N	PO_4	K	TN	TKN
19010900082	1/8/2019	5,990	53,800	11.6	5.75	105,000	1,560	59,800	59,800
19030500393	3/5/2019	9,490	59,800	< 10.2	< 1.53	109,000	1,640	69,300	69,300
19050700410	5/7/2019	7,360	63,400	< 10.3	< 1.54	115,000	1,760	70,800	70,800
19070900374	7/9/2019	6,240	63,700	< 9.95	9.70	92,700	1,660	70,000	69,900
19091000370	9/10/2019	4,950	60,600	< 9.42	8.29	92,600	1,390	65,600	65,500
19110600204	11/5/2019	6,600	68,100	< 10.9	3.04	111,000	1,650	74,700	74,700
MEAN		**6,770**	**61,600**	**6.2**	**4.72**	**104,200**	**1,610**		
MAX		**9,490**	**68,100**	**11.6**	**9.70**	**115,000**	**1,760**		

\ = No Limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

2019 BIOSOLIDS MANAGEMENT PROGRAM

Palmdale WRP Digester Performance

Month	Temp (°F)	Detention Time * (Days)	VSD (%)
January	97	138	59
February	97	188	71
March	97	200	75
April	97	167	71
May	97	158	67
June	97	149	63
July	97	159	62
August	98	163	49
September	97	188	58
October	97	194	63
November	97	193	64
December	97	155	67
MEAN	**97**	**171**	**64**
MIN	**97**	**138**	**49**

* = As flow decreases HDT will increase

PALMDALE WATER RECLAMATION PLANT

2019 Digester Performance Summary

		HDT (days)	Temperature (degrees F)	VSD (%)			HDT (days)	Temperature (degrees F)	VSD (%)
Jan	Dig 3	148	97	55	Jul	Dig 3	166	98	59
	Dig 4	146	97	60		Dig 4	166	98	61
	Dig 5	140	97	60		Dig 5	167	97	63
	Dig 7	117	97	60		Dig 7	138	97	66
	Avg	**138**	**97**	**59**		**Avg**	**159**	**97**	**62**
Feb	Dig 3	192	97	70	Aug	Dig 3	171	99	41
	Dig 4	227	97	71		Dig 4	170	98	48
	Dig 5	184	97	71		Dig 5	172	97	52
	Dig 7	150	97	72		Dig 7	141	97	55
	Avg	**188**	**97**	**71**		**Avg**	**163**	**98**	**49**
Mar	Dig 3	152	97	77	Sep	Dig 3	198	97	55
	Dig 4	368	97	71		Dig 4	199	97	54
	Dig 5	150	97	74		Dig 5	195	97	61
	Dig 7	128	97	77		Dig 7	161	97	63
	Avg	**200**	**97**	**75**		**Avg**	**188**	**97**	**58**
Apr	Dig 3	174	97	70	Oct	Dig 3	204	97	55
	Dig 4	173	97	70		Dig 4	203	97	64
	Dig 5	175	97	72		Dig 5	202	97	65
	Dig 7	144	97	72		Dig 7	165	97	69
	Avg	**167**	**97**	**71**		**Avg**	**194**	**97**	**63**
May	Dig 3	166	97	67	Nov	Dig 3	204	97	58
	Dig 4	165	97	68		Dig 4	201	97	65
	Dig 5	165	97	66		Dig 5	200	97	66
	Dig 7	137	97	67		Dig 7	166	97	66
	Avg	**158**	**97**	**67**		**Avg**	**166**	**97**	**64**
Jun	Dig 3	156	98	60	Dec	Dig 3	165	97	61
	Dig 4	156	97	63		Dig 4	161	97	69
	Dig 5	156	97	64		Dig 5	160	97	70
	Dig 7	129	97	64		Dig 7	133	97	70
	Avg	**149**	**97**	**63**		**Avg**	**155**	**97**	**67**

HDT = Hydraulic Detention Time

VSD = Volatile Solids Destruction

Pomona WRP Influent Monitoring

Pomona Water Reclamation Plant
2019 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	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						0.79				
Arodor 1016	ug/L						ND				
Arodor 1221	ug/L						ND				
Arodor 1232	ug/L						ND				
Arodor 1242	ug/L						ND				
Arodor 1248	ug/L						ND				
Arodor 1254	ug/L						ND				
Arodor 1260	ug/L						ND				
Arsenic	ug/L						1.43				
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-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. 11.6				

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	1	0.08 - 0.19	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.21 - 0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.16 - 0.33	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.12 - 0.13	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	1	0.21 - 0.23	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.21 - 0.22	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	1	0.14 - 0.15	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.63	20.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	1	0.06 - 0.26	0.50
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.19 - 0.51	20.0 - 100
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
1,3-Dichloropropene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2		
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.21 - 0.25	0.50
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	1	0.19 - 0.28	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.41	20.0 - 200
2-Chlorophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.18 - 0.41	20.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.92 - 1.3	100
2-Nitrophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.10 - 0.31	20.0 - 200
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND	EPA 1613B		0.65 - 1.3	10 - 11
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.60 - 0.63	20.0 - 100
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	2	0.44 - 0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	1.5 - 2.8	100
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.37	20.0 - 100
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.21 - 0.64	20.0 - 200
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.28 - 0.50	20.0 - 100
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.44 - 0.69	20.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.54 - 0.81	20.0 - 100
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.58	20.0 - 100
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.32 - 0.63	20.0 - 100
4-Nitrophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	1.3 - 1.6	100
4,4-DDD	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4-DDE	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4-DDT	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.003	0.10
Acenaphthene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.22 - 0.50	20.0
Acenaphthylene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.50	20.0 - 200
Acrolein	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1		0.64 - 0.70	2.0
Acrylonitrile	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1		0.50 - 0.64	2.0
Aldrin	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.0009	0.05
alpha-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.002	0.10
alpha-Endosulfan	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.001	0.10
Anthracene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.56	20.0 - 200
Antimony	ug/L		0.61	0.61	0.70	0.79	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1221	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.09	3.0
Aroclor 1242	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1248	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1254	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.01	0.5 - 1.0
Aroclor 1260	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.01	1.0
Arsenic	ug/L		1.41	1.41	1.42	1.43	EPA 200.8	2	0.06	1.00
Benzene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.09 - 0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.77 - 1.8	100
Benzo(a)anthracene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.14 - 0.46	20.0 - 100
Benzo(a)pyrene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.54	20.0 - 200
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.22 - 0.61	20.0 - 200
Benzo(g,h,i)perylene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.12 - 0.52	20.0 - 100
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.53	20.0 - 200
Beryllium	ug/L		ND	ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.002	0.05
beta-Endosulfan	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.10
Bis(2-chloroethoxy)methane	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.11 - 0.28	20.0 - 100
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.27	20.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	2	0.20 - 0.25	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 11.6	EPA 625 & EPA 625.1	5	0.16 - 0.55	20.0 - 40.0

Parameter	Units	January	February	March	April	May	June	July	August	September	October
BOD	mg/L	370	473	357	381	343	374	340	323	345	324
Bromodichloromethane	ug/L						0.73				
Bromoform	ug/L						DNQ Est. Conc. 0.29				
Butyl benzyl phthalate	ug/L						ND				
Cadmium	ug/L						0.26				
Carbon tetrachloride	ug/L						ND				
Chlorobenzene	ug/L						ND				
Chloroethane	ug/L						ND				
Chloroform	ug/L						5.4				
Chromium III	ug/L						2.93				
Chromium VI	ug/L						ND				
Chrysene	ug/L						ND				
Copper	ug/L						48.0				
Cyanide	ug/L						DNQ Est. Conc. 1.67				
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						0.70				
Dieldrin	ug/L						ND				
Diethyl phthalate	ug/L						DNQ Est. Conc. 5.7				
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	0.00160	0.00256	0.00206	0.00179	0.00107	0.00244	0.00226	0.00177	0.00150	0.00210
Mercury	ug/L						0.04				
Methyl bromide (Bromomethane)	ug/L						ND				
Methyl chloride (Chloromethane)	ug/L						ND				
Methylene chloride	ug/L						1.2				
N-Nitrosodi-n-propylamine	ug/L						ND				
n-Nitrosodimethylamine (NDMA)	ug/L						DNQ Est. Conc. 0.018 / ND				
n-Nitrosodiphenylamine	ug/L						ND				
Naphthalene	ug/L						ND				
Nickel	ug/L						3.12				
Nitrobenzene	ug/L						ND				
PCB-61/70/74/76	pg/L						ND (1)				
PCB-101 (Co: 90/101/113)	pg/L						ND (1)				
PCB-105	pg/L						100				
PCB-114	pg/L						ND				
PCB-118	pg/L						240 (1)				
PCB-123	pg/L						DNQ Est. Conc. 11				
PCB-126	pg/L						ND				
PCB-138 (Co: 129/138/163)	pg/L						ND (1)				
PCB-158	pg/L						DNQ Est. Conc. 24				
PCB-167	pg/L						ND				
PCB-169	pg/L						ND				
PCB-170	pg/L						DNQ Est. Conc. 70				
PCB-177	pg/L						DNQ Est. Conc. 38				
PCB-183	pg/L						DNQ Est. Conc. 54 (1)				
PCB-187	pg/L						DNQ Est. Conc. 120				
PCB-189	pg/L						ND				
PCB-194	pg/L						DNQ Est. Conc. 100				

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
BOD	mg/L	273	258	258	347	473	SM 5210B		0.6	86 - 200
Bromodichloromethane	ug/L		0.79	0.73	0.76	0.79	EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L		DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.29	ND	DNQ Est. Conc. 0.44	EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.58	20.0 - 200
Cadmium	ug/L		DNQ Est. Conc. 0.12	DNQ Est. Conc. 0.12	0.13	0.26	EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.18 - 0.19	0.50
Chlorobenzene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.10 - 0.22	0.50
Chloroethane	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.31 - 0.43	0.50
Chloroform	ug/L		4.1	4.1	4.8	5.4	EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chromium III	ug/L		3.57	2.93	3.25	3.57	EPA 200.8			0.50
Chromium VI	ug/L		DNQ Est. Conc. 0.01	ND	ND	DNQ Est. Conc. 0.01	EPA 218.6 (Dissolved)		0.01 - 0.048	0.05 - 0.20
Chrysene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.16 - 0.41	20.0 - 200
Copper	ug/L		41.5	41.5	44.8	48.0	EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L		DNQ Est. Conc. 1.02	DNQ Est. Conc. 1.02	ND	DNQ Est. Conc. 1.67	SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.004	0.05
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.59	20.0 - 200
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.11 - 0.69	20.0 - 200
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.58	20.0 - 200
Dibromochloromethane	ug/L		0.74	0.70	0.72	0.74	EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Dieldrin	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 5.7	EPA 625 & EPA 625.1	2	0.26 - 0.42	20.0 - 40.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	2	0.28 - 0.41	20.0 - 40.0
Endosulfan sulfate	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.009	0.10 - 0.40
Endrin aldehyde	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.002	0.10
Endrin	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.15	0.50
Fluoranthene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.24 - 0.69	20.0
Fluorene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.35 - 0.58	20.0 - 200
gamma-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.0009	0.10
Heptachlor epoxide	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.0008	0.10
Hexachlorobenzene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.47	20.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.33 - 0.96	20.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.53 - 2.0	100
Hexachloroethane	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.53	20.0 - 200
Isophorone	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.11 - 0.28	20.0
Lead	mg/L	0.00131	0.00125	0.00107	0.00181	0.00256	EPA 200.8	0.0005	0.00001	0.00025
Mercury	ug/L		0.10	0.04	0.07	0.10	EPA 245.1	0.5	0.012	0.04
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.30 - 0.48	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.41 - 0.42	0.50
Methylene chloride	ug/L		ND	ND	0.60	1.2	EPA 624 & EPA 624.1	2	0.30 - 0.46	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND	EPA 1625 (Modified) / EPA 625 & EPA 625.1		0.0006 - 0.50	0.020 - 100
n-Nitrosodimethylamine (NDMA)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.018	EPA 1625 (Modified) / EPA 625 & EPA 625.1	5	0.0005 - 0.50	0.020 - 100
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.28 - 0.64	20.0
Naphthalene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.20	20.0
Nickel	ug/L		2.76	2.76	2.94	3.12	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.31	20.0
PCB-61/70/74/76	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		2.6	800
PCB-101 (Co: 90/101/113)	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		4.9	600
PCB-105	pg/L			100	100	100	EPA 1668		4.8	20
PCB-114	pg/L			ND	ND	ND	EPA 1668		4.5	20
PCB-118	pg/L			240 (1)	240 (1)	240 (1)	EPA 1668		4.5	20
PCB-123	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		4.7	20
PCB-126	pg/L			ND	ND	ND	EPA 1668		4.9	20
PCB-138 (Co: 129/138/163)	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		1.9	600
PCB-158	pg/L			DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24	EPA 1668		1.5	200
PCB-167	pg/L			ND	ND	ND	EPA 1668		6.1	20
PCB-169	pg/L			ND	ND	ND	EPA 1668		7.5	20
PCB-170	pg/L			DNQ Est. Conc. 70	ND	DNQ Est. Conc. 70	EPA 1668		3.5	200
PCB-177	pg/L			DNQ Est. Conc. 38	ND	DNQ Est. Conc. 38	EPA 1668		2.6	200
PCB-183	pg/L			DNQ Est. Conc. 54 (1)	ND	DNQ Est. Conc. 54 (1)	EPA 1668		2.5	200
PCB-187	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		1.1	200
PCB-189	pg/L			ND	ND	ND	EPA 1668		1.4	20
PCB-194	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		2.4	200

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-201	pg/L						DNQ Est. Conc. 15				
PCB-206	pg/L						DNQ Est. Conc. 82 (1)				
PCB-37	pg/L						DNQ Est. Conc. 82				
PCB-52	pg/L						270 (1)				
PCB-66	pg/L						DNQ Est. Conc. 100 (1)				
PCB-77	pg/L						DNQ Est. Conc. 17				
PCB-81	pg/L						ND				
PCB-99	pg/L						DNQ Est. Conc. 120 (1)				
PCB-110/115	pg/L						ND (1)				
PCB-128/166	pg/L						ND (1)				
PCB-135/151	pg/L						ND (1)				
PCB-147/149	pg/L						ND (1)				
PCB-153/168	pg/L						ND (1)				
PCB-156/157	pg/L						ND				
PCB-18/30	pg/L						ND				
PCB-180/193	pg/L						ND				
PCB-20/28	pg/L						ND (1)				
PCB-44/47/65	pg/L						ND (1)				
PCB-49/69	pg/L						ND (1)				
PCB-86/87/97/108/119	pg/L						ND				
Pentachlorophenol	ug/L						ND				
Phenanthrene	ug/L						ND				
Phenol	ug/L						31.1				
pH	SU	7.5	7.5	7.4	7.4	7.8	7.7	7.6	7.7	7.6	7.6
Pyrene	ug/L						ND				
Selenium	mg/L	DNQ Est. Conc. 0.00096	DNQ Est. Conc. 0.00095	DNQ Est. Conc. 0.00095	0.00105	DNQ Est. Conc. 0.00068	DNQ Est. Conc. 0.00084	DNQ Est. Conc. 0.00096	DNQ Est. Conc. 0.00080	DNQ Est. Conc. 0.00067	DNQ Est. Conc. 0.00081
Silver	ug/L						0.21				
Technical chlordane	ug/L						ND				
Tetrachloroethylene	ug/L						ND				
Thallium	ug/L						ND				
Toluene	ug/L						0.71				
Total chromium	ug/L						2.93				
Total Suspended Solids	mg/L	364	495	312	305	356	334	325	370	269	264
Toxaphene	ug/L						ND				
Trichloroethylene	ug/L						ND				
Vinyl chloride	ug/L						ND				
Zinc	ug/L						168				

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
PCB-201	pg/L			DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15	EPA 1668		0.70	200
PCB-206	pg/L			DNQ Est. Conc. 82 (1)	ND	DNQ Est. Conc. 82 (1)	EPA 1668		1.1	200
PCB-37	pg/L			DNQ Est. Conc. 82	ND	DNQ Est. Conc. 82	EPA 1668		12	200
PCB-52	pg/L			270 (1)	270 (1)	270 (1)	EPA 1668		6.2	200
PCB-66	pg/L			DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668		2.7	200
PCB-77	pg/L			DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668		3.6	20
PCB-81	pg/L			ND	ND	ND	EPA 1668		3.7	20
PCB-99	pg/L			DNQ Est. Conc. 120 (1)	ND	DNQ Est. Conc. 120 (1)	EPA 1668		4.6	200
PCB-110/115	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		3.6	400
PCB-128/166	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		1.7	400
PCB-135/151	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		2.0	400
PCB-147/149	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		1.8	400
PCB-153/168	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		1.6	400
PCB-156/157	pg/L			ND	ND	ND	EPA 1668		8.4	40
PCB-18/30	pg/L			ND	ND	ND	EPA 1668		12	400
PCB-180/193	pg/L			ND	ND	ND	EPA 1668		2.4	400
PCB-20/28	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		11	400
PCB-44/47/65	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		6.1	600
PCB-49/69	pg/L			ND (1)	ND (1)	ND (1)	EPA 1668		5.8	400
PCB-86/87/97/108/119	pg/L			ND	ND	ND	EPA 1668		4.5	1200
Pentachlorophenol	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.62 - 0.82	20.0
Phenanthrene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.31 - 0.59	20.0 - 100
Phenol	ug/L		33.8	31.1	32.4	33.8	EPA 625 & EPA 625.1	1	0.12 - 0.24	20.0
pH	SU	7.6	7.7	7.4	7.6	7.8	SM 4500 H+ B		1.00	1.00
Pyrene	ug/L		ND	ND	ND	ND	EPA 625 & EPA 625.1	10	0.28 - 0.60	20.0 - 200
Selenium	mg/L	DNQ Est. Conc. 0.00084	DNQ Est. Conc. 0.00062	DNQ Est. Conc. 0.00062	0.000088	0.00105	EPA 200.8	0.002	0.00002	0.00100
Silver	ug/L		DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.16	0.10	0.21	EPA 200.8	0.25	0.02	0.20
Technical chlordane	ug/L		ND	ND	ND	ND	EPA 608	0.1	0.01	0.50
Tetrachloroethylene	ug/L		1.6	ND	0.80	1.6	EPA 624 & EPA 624.1	2	0.18 - 0.25	0.50
Thallium	ug/L		ND	ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L		0.54	0.54	0.62	0.71	EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
Total chromium	ug/L		3.57	2.93	3.25	3.57	EPA 200.8	0.5	0.10	0.50
Total Suspended Solids	mg/L	252	428	252	340	495	SM 2540D		2.5	50.0 - 100
Toxaphene	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.08	5.0
Trichloroethylene	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.15 - 0.26	0.50
Vinyl chloride	ug/L		ND	ND	ND	ND	EPA 624 & EPA 624.1	2	0.25 - 0.42	0.50
Zinc	ug/L		127	127	148	168	EPA 200.8	1	0.70	1.00

(1) Blank contamination observed.

Pomona WRP Effluent Monitoring

Pomona Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
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. 3.4 (2)					
1,2,3,4,6,7,8-HeptaCDF	pg/L						DNQ Est. Conc. 3.9 (2)					
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	ug/L		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND	
1,4-Dioxane	ug/L						1.3					
2-Chloroethylvinyl ether	ug/L		ND		ND		ND		ND		ND	
2-Chloronaphthalene	ug/L						ND					
2-Chlorophenol	ug/L						ND					
2-Methyl-4,6-dinitrophenol	ug/L						ND					
2-Nitrophenol	ug/L						ND					
2,3,4,6,7,8-HexaCDF	pg/L						ND					
2,3,4,7,8-PentaCDF	pg/L						ND					
2,3,7,8-TCDD	pg/L		ND				ND		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	
alpha-Endosulfan	ug/L						ND				ND	
Ammonia nitrogen	mg/L	1.76	2.08	2.96	2.74	2.44	2.41	1.21	2.02	2.54	1.36	1.26
Anthracene	ug/L						ND					
Antimony	ug/L		DNQ Est. Conc. 0.41				0.54		0.51			
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. 0.91				DNQ Est. Conc. 0.83		DNQ Est. Conc. 0.80			
Benzene	ug/L		ND		ND		ND		ND		ND	
Benzidine	ug/L						ND					

			Monthly Average			NPDES Limit					
Parameter	Units	December	Minimum	Average	Maximum	Max Daily	Monthly Average	Method	ML	MDL	RDL
1,1-Dichloroethane	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.08 - 0.19	0.50
1,1-Dichloroethylene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.32	0.50
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.16 - 0.33	0.50
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.12 - 0.13	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.21 - 0.23	0.50
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.22	0.50
1,2-Dichloropropane	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.14 - 0.15	0.50
1,2-Diphenylhydrazine	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0 - 2.0
1,2-trans-Dichloroethylene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.06 - 0.26	0.50
1,2,3-Trichloropropane	ug/L	ND	ND	ND	ND			EPA 524.2 (TCP)		0.0012 - 0.024	0.0050 - 0.10
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)	ND (1)	ND (1)	DNQ Est. Conc. 3.4 (2)			EPA 1613B		2.1	50 - 68
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 7.0	DNQ Est. Conc. 3.9 (2)	ND	DNQ Est. Conc. 7.0			EPA 1613B		2.2 - 2.6	50 - 68
1,2,3,4,7,8-HexaCDD	pg/L	ND	ND	ND	ND			EPA 1613B		2.2 - 2.9	50 - 68
1,2,3,4,7,8-HexaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		2.7 - 3.2	50 - 68
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		3.0 - 3.1	50 - 68
1,2,3,6,7,8-HexaCDD	pg/L	ND	ND	ND	ND			EPA 1613B		2.1 - 2.8	50 - 68
1,2,3,6,7,8-HexaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		2.3 - 2.7	50 - 68
1,2,3,7,8-PentaCDD	pg/L	ND	ND	ND	ND			EPA 1613B		3.2 - 3.3	50 - 68
1,2,3,7,8-PentaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		1.9 - 2.0	50 - 68
1,2,3,7,8,9-HexaCDD	pg/L	ND	ND	ND	ND			EPA 1613B		2.0 - 2.5	50 - 68
1,2,3,7,8,9-HexaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		1.5 - 1.7	50 - 68
1,2,4-Trichlorobenzene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	1.0 - 10.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
1,3-Dichloropropene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2		
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.25	0.50
1,4-Dioxane	ug/L	1.3	1.3	1.3	1.3			SW-846 8270MOD 1,4-Dioxane		0.19	0.40
2-Chloroethylvinyl ether	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.19 - 0.28	0.50
2-Chloronaphthalene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	1.0 - 20.0
2-Chlorophenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 10.0
2-Methyl-4,6-dinitrophenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0 - 10.0
2-Nitrophenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 20.0
2,3,4,6,7,8-HexaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		1.5 - 1.6	50 - 68
2,3,4,7,8-PentaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		2.1 - 2.8	50 - 68
2,3,7,8-TCDD	pg/L	ND	ND	ND	ND			EPA 1613B		0.29 - 2.2	10 - 14
2,3,7,8-TetraCDF	pg/L	ND	ND	ND	ND			EPA 1613B		1.0 - 1.4	10 - 14
2,4-Dichlorophenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 10.0
2,4-Dimethylphenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 4.0
2,4-Dinitrophenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0 - 10.0
2,4-Dinitrotoluene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 10.0
2,4,6-Trichlorophenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 20.0
2,6-Dinitrotoluene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 10.0
3-Methyl-4-chlorophenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0 - 2.0
3,3'-Dichlorobenzidine	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 10.0
4-Bromophenyl phenyl ether	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	1.0 - 10.0
4-Chlorophenyl phenyl ether	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	1.0 - 10.0
4-Nitrophenol	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0 - 10.0
4,4-DDD	ug/L	ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.0070	0.01 - 0.50
4,4-DDE	ug/L	ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.0070	0.01 - 0.50
4,4-DDT	ug/L	ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.011	0.01 - 0.50
Acenaphthene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0 - 2.0
Acenaphthylene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 20.0
Acrolein	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1		0.64 - 0.70	2.0
Acrylonitrile	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1		0.50 - 0.64	2.0
Aldrin	ug/L	ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.010	0.005 - 0.50
alpha-BHC	ug/L	ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.011	0.01 - 0.50
alpha-Endosulfan	ug/L	ND	ND	ND	ND			EPA 608	0.02	0.001 - 0.0090	0.01 - 0.50
Ammonia nitrogen	mg/L	0.756	0.756	1.96	2.96	6.6	3.2	SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 20.0
Antimony	ug/L	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.41	0.26	0.54			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L	ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.29	0.1 - 10
Aroclor 1221	ug/L	ND	ND	ND	ND			EPA 608	0.5	0.08 - 0.60	0.5 - 10
Aroclor 1232	ug/L	ND	ND	ND	ND			EPA 608	0.5	0.08 - 1.5	0.3 - 10
Aroclor 1242	ug/L	ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.70	0.1 - 10
Aroclor 1248	ug/L	ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.60	0.1 - 10
Aroclor 1254	ug/L	ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.40	0.05 - 10
Aroclor 1260	ug/L	ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.55	0.1 - 10
Arsenic	ug/L	DNQ Est. Conc. 0.87	DNQ Est. Conc. 0.80	ND	DNQ Est. Conc. 0.91			EPA 200.8	2	0.06	1.00
Benzene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.09 - 0.15	0.50
Benzidine	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0 - 10.0

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
Benzo(a)anthracene	ug/L						ND					
Benzo(a)pyrene	ug/L		ND (EPA 525.2 Only)				ND / ND		ND (EPA 525.2 Only)			
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				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	ND
BOD	mg/L	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.27	0.23	0.29	0.22	0.28	0.28	0.28	0.26	0.27	0.25	0.27
Bromodichloromethane	ug/L	7.8	7.7	6.0	12.5	2.3	14.9	9.6	5.5	7.3	9.9	18.5
Bromoform	ug/L	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.37	ND	ND	ND	ND	DNQ Est. Conc. 0.42
Butyl benzyl phthalate	ug/L						ND					
Cadmium	ug/L		DNQ Est. Conc. 0.074				DNQ Est. Conc. 0.058		ND			
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND	
Chloride	mg/L	135	129	137	136	124	139	135	186	131	130	145
Chlorobenzene	ug/L		ND		ND		ND		ND		ND	
Chloroethane	ug/L		ND		ND		ND		ND		ND	
Chloroform	ug/L	13.1	15.5	15.4	39.0	7.3	38.9	21.1	19.9	21.7	37.7	42.5
Chlorpyrifos	ug/L						ND					
Chromium III	ug/L						1.39					
Chromium VI	ug/L		0.16				0.042		0.06			
Chrysene	ug/L						ND					
Copper	ug/L		4.88				5.12		6.42			
Cyanide	ug/L		DNQ Est. Conc. 1.5				DNQ Est. Conc. 3.7		DNQ Est. Conc. 2.0			
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	2.4	2.0	1.3	2.0	DNQ Est. Conc. 0.41	3.4	2.1	0.86	1.2	1.3	3.6
Dieldrin	ug/L		ND		ND		ND		ND		ND	
Diethyl phthalate	ug/L						DNQ Est. Conc. 0.98					
Dimethyl phthalate	ug/L						ND					
Dissolved oxygen	mg/L	6.4	5.9	5.3	5.1	5.1	5.1	5.8	4.5	5.2	4.8	5.7
E. coli	No./100mL	ND	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	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND	
Fluorene	ug/L						ND					
Fluoride	mg/L		0.255		0.252		0.267		0.287		0.225	
gamma-BHC	ug/L		ND		DNQ Est. Conc. 0.005		ND		DNQ Est. Conc. 0.005		ND	
Gross alpha radioactivity	pCi/L		ND				ND		1.65			
Gross beta radioactivity	pCi/L		10.1				9.38		11.3			
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND	
Heptachlor	ug/L		ND		ND		ND		ND		ND	
Hexachlorobenzene	ug/L		ND (EPA 508.1 Only)				ND / ND		ND (EPA 508.1 Only)			
Hexachlorobutadiene	ug/L						ND					
Hexachlorocyclopentadiene	ug/L		ND (EPA 508.1 Only)				ND / ND		ND (EPA 508.1 Only)			
Hexachloroethane	ug/L						ND					
Indeno (1,2,3-cd) pyrene	ug/L						ND					
Iron	ug/L		29.8				34.0		41.9			
Isophorone	ug/L						ND					
Lead	ug/L	0.35	0.29	0.49	0.33	0.30	0.32	0.26	0.29	0.33	0.44	0.29
Mercury	ug/L		0.00251				0.0024		0.0020			
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		ND (EPA 1625B (Modified) Only)			
n-Nitrosodimethylamine (NDMA)	ug/L	0.25	0.20	0.23	0.15	0.15	0.10	0.21	0.38	0.36	0.23	0.15
n-Nitrosodiphenylamine	ug/L						ND / ND		ND (EPA 1625B (Modified) Only)			
Naphthalene	ug/L						ND					

			Monthly Average			NPDES Limit					
Parameter	Units	December	Minimum	Average	Maximum	Max Daily	Monthly Average	Method	ML	MDL	RDL
Benzo(a)anthracene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 10.0
Benzo(a)pyrene	ug/L	ND/ ND	ND/ ND	ND/ ND	ND/ ND			EPA 525.2 / EPA 610		0.013 - 0.070	0.020 - 0.10
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND			EPA 610	10	0.015	0.020
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 10.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND			EPA 610	10	0.014	0.020
Beryllium	ug/L	ND	ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L	ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.015	0.005 - 0.50
beta-Endosulfan	ug/L	ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.0070	0.01 - 0.50
Bis(2-chloroethoxy)methane	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.11 - 0.28	1.0 - 10.0
bis(2-Chloroethyl) ether	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0 - 2.0
bis(2-Chloroisopropyl) ether	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 4.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND		4	EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 4.0
BOD	mg/L	ND	ND	0.28	3.4	45	20	SM 5210B		0.6	3
Boron	mg/L	0.27	0.22	0.26	0.29		1	EPA 200.8		0.008 - 0.017	0.020
Bromodichloromethane	ug/L	12.1	2.3	9.5	18.5			EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.24	ND	ND	DNQ Est. Conc. 0.42			EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 20.0
Cadmium	ug/L	ND	ND	ND	DNQ Est. Conc. 0.074			EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.19	0.50
Chloride	mg/L	129	124	138	186		180	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.10 - 0.22	0.50
Chloroethane	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.31 - 0.43	0.50
Chloroform	ug/L	34.0	7.3	26	42.5			EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chlorpyrifos	ug/L		ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L	1.00	1.00	1.20	1.39			EPA 200.8			0.50
Chromium VI	ug/L	0.08	0.042	0.08	0.16			EPA 218.6 (Dissolved)		0.0048 - 0.02	0.020 - 0.05
Chrysene	ug/L	ND	ND	ND	ND			EPA 610	10	0.014	0.020
Copper	ug/L	5.76	4.88	5.54	6.42			EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L	DNQ Est. Conc. 3.0	DNQ Est. Conc. 1.5	ND	DNQ Est. Conc. 3.7			SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L	ND	ND	ND	ND			EPA 608	0.005	0.004 - 0.019	0.005 - 0.50
Di-n-butyl phthalate	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 20.0
Di-n-octyl phthalate	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	1.0 - 20.0
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	0.014	0.020
Dibromochloromethane	ug/L	2.2	DNQ Est. Conc. 0.41	1.9	3.6			EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Dieldrin	ug/L	ND	ND	ND	ND			EPA 608	0.01	0.0009 - 0.0080	0.01 - 0.50
Diethyl phthalate	ug/L	DNQ Est. Conc. 0.56	DNQ Est. Conc. 0.56	ND	DNQ Est. Conc. 0.98			EPA 625 & EPA 625.1	2	0.26 - 0.42	1.0 - 4.0
Dimethyl phthalate	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 4.0
Dissolved oxygen	mg/L	6.2	4.5	5.4	6.4			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan sulfate	ug/L	ND	ND	ND	ND			EPA 608	0.05	0.009 - 0.02	0.01 - 0.50
Endrin aldehyde	ug/L	ND	ND	ND	ND			EPA 608	0.01	0.002 - 0.019	0.01 - 0.50
Endrin	ug/L	ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.017	0.01 - 0.50
Ethylbenzene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0 - 2.0
Fluorene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 20.0
Fluoride	mg/L	0.251	0.225	0.256	0.287			SM 4500 F C		0.004 - 0.049	0.100
gamma-BHC	ug/L	DNQ Est. Conc. 0.008	ND	ND	DNQ Est. Conc. 0.008			EPA 608	0.02	0.0009 - 0.0040	0.01 - 0.50
Gross alpha radioactivity	pCi/L	ND	ND	0.412	1.65			EPA 900.0		1.99 - 3.62	3.00
Gross beta radioactivity	pCi/L	11.7	9.38	10.6	11.7			EPA 900.0		0.916 - 1.73	4.00
Heptachlor epoxide	ug/L	ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.005	0.01 - 0.50
Heptachlor	ug/L	ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.0060	0.01 - 0.50
Hexachlorobenzene	ug/L	ND / ND	ND / ND	ND / ND	ND / ND			EPA 508.1 / EPA 625 & EPA 625.1		0.0030 - 0.47	0.050 - 2.0
Hexachlorobutadiene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0 - 2.0
Hexachlorocyclopentadiene	ug/L	ND / ND	ND / ND	ND / ND	ND / ND			EPA 508.1 / EPA 625 & EPA 625.1		0.014 - 2.0	0.050 - 10.0
Hexachloroethane	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	1.0 - 2.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND			EPA 610	10	0.013	0.020
Iron	ug/L	40.1	29.8	36.4	41.9			EPA 200.8		3.2	20.0
Isophorone	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0 - 2.0
Lead	ug/L	0.31	0.26	0.33	0.49	166 (3)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0016	0.0016	0.0021	0.00251			EPA 1631E		0.000047 - 0.00008	0.0005
Methyl bromide (Bromomethane)	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.48	0.50
Methyl chloride (Chloromethane)	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.41 - 0.42	0.50
Methyl tert-butyl ether	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1		0.08 - 0.14	0.50
Methylene chloride	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.46	0.50
N-Nitrosodi-n-propylamine	ug/L	ND / ND	ND / ND	ND / ND	ND / ND			EPA 1625 (Modified) / EPA 625 & EPA 625.1		0.0006 - 0.50	0.0020 - 10.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.11	0.10	0.21	0.38			EPA 1625B (Modified)		0.0005	0.0020 - 0.010
n-Nitrosodiphenylamine	ug/L	ND / ND	ND / ND	ND / ND	ND / ND			EPA 1625 (Modified) / EPA 625 & EPA 625.1	1	0.0013 - 0.64	0.010 - 2.0
Naphthalene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0 - 2.0

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
Nickel	ug/L		1.17				1.67		3.25			
Nitrate + nitrite as nitrogen	mg/L	6.19	4.78	4.83	5.28	6.40	6.62	7.36	7.83	6.20	6.01	7.48
Nitrate as nitrogen	mg/L	6.08	4.62	4.40	4.44	6.15	6.17	7.30	7.69	6.00	5.94	7.41
Nitrite as nitrogen	mg/L	0.115	0.163	0.432	0.846	0.257	0.458	0.060	0.15	0.194	0.075	0.065
Nitrobenzene	ug/L						ND					
OctaCDD	pg/L						ND					
OctaCDF	pg/L						ND (1)					
Oil and grease	mg/L		ND				ND		ND			
Organic nitrogen	mg/L	2.44	2.22	1.89	1.84	2.33	1.57	1.29	1.88	1.26	1.82	1.39
Orthophosphate-P	mg/L		0.165				0.291		0.629			
PCB-61/70/74/76	pg/L						ND (1)					
PCB-101 (Co: 90/101/113)	pg/L						ND (1)					
PCB-105	pg/L						DNQ Est. Conc. 2.3					
PCB-114	pg/L						ND					
PCB-118	pg/L						DNQ Est. Conc. 7.3 (1)					
PCB-123	pg/L						ND					
PCB-126	pg/L						ND					
PCB-138 (Co: 129/138/163)	pg/L						ND (1)					
PCB-158	pg/L						ND					
PCB-167	pg/L						ND					
PCB-169	pg/L						ND					
PCB-170	pg/L						ND					
PCB-177	pg/L						ND					
PCB-183	pg/L						DNQ Est. Conc. 2.3 (1)					
PCB-187	pg/L						ND					
PCB-189	pg/L						ND					
PCB-194	pg/L						ND					
PCB-201	pg/L						ND					
PCB-206	pg/L						ND					
PCB-37	pg/L						ND					
PCB-52	pg/L						DNQ Est. Conc. 11 (1)					
PCB-66	pg/L						DNQ Est. Conc. 4.2 (1)					
PCB-77	pg/L						DNQ Est. Conc. 6.1					
PCB-81	pg/L						ND					
PCB-99	pg/L						DNQ Est. Conc. 5.0 (1)					
PCB-110/115	pg/L						ND (1)					
PCB-128/166	pg/L						ND					
PCB-135/151	pg/L						ND (1)					
PCB-147/149	pg/L						ND (1)					
PCB-153/168	pg/L						ND (1)					
PCB-156/157	pg/L						ND					
PCB-18/30	pg/L						ND					
PCB-180/193	pg/L						ND					
PCB-20/28	pg/L						ND (1)					
PCB-44/47/65	pg/L						ND (1)					
PCB-49/69	pg/L						ND (1)					
PCB-86/87/97/108/119	pg/L						ND					
PCBs as Arodors	ug/L		ND		ND		ND		ND			
PCBs as Congeners	pg/L						ND					
Pentachlorophenol	ug/L		ND (EPA 625 only)		ND (EPA 625 only)		ND / ND		ND (EPA 625.1 only)		ND (EPA 625.1 only)	
Perchlorate	ug/L	0.29	0.31	0.057	0.23	0.22	0.19	0.67	0.99	1.2	0.59	1.0
Phenanthrene	ug/L		ND		ND		ND		ND		ND	
Phenol	ug/L		DNQ Est. Conc. 0.29		DNQ Est. Conc. 0.30		ND		DNQ Est. Conc. 0.32		DNQ Est. Conc. 0.27	
pH	SU	7.3	7.3	7.4	7.5	7.3	7.4	7.5	7.4	7.4	7.5	7.5
Pyrene	ug/L						ND					
Radium-226 + radium-228	pCi/L						ND					
Selenium	ug/L	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.40	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.32
Settleable Solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				DNQ Est. Conc. 0.02		DNQ Est. Conc. 0.03			
Strontium-90	pCi/L		ND				ND		ND			
Sulfate	mg/L	62.8	58.3	68.6	68.8	60.9	59.0	63.0	60.7	55.9	58.0	57.8
Surfactant (CTAS)	mg/L		ND				ND		ND			
Surfactant (MBAS)	mg/L		ND		0.10		0.078		0.11		0.059	
Technical chlordane	ug/L		ND				ND		ND		ND	
Temperature	Degrees F	70.3	68.8	70.9	74.1	76.1	79.0	82.3	84.1	84.2	81.0	77.1
Tetrachloroethylene	ug/L		1.2		ND		ND		ND		ND	
Thallium	ug/L		ND				ND		ND			
Toluene	ug/L		ND		DNQ Est. Conc. 0.18		DNQ Est. Conc. 0.38		DNQ Est. Conc. 0.23		ND	
Total chromium	ug/L		1.97				1.43		1.04			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Parameter	Units	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
			Minimum	Average	Maximum	Max Daily	Monthly Average				
Nickel	ug/L	1.16	1.16	1.81	3.25			EPA 200.8	1	0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	7.00	4.78	6.33	7.83		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	6.94	4.40	6.10	7.69			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.057	0.057	0.24	0.846		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0 - 2.0
OctaCDD	pg/L	ND (1)	ND (1)	ND (1)	ND (1)			EPA 1613B		3.1 - 4.1	100 - 140
OctaCDF	pg/L	ND	ND (1)	ND (1)	ND (1)			EPA 1613B		4.1 - 6.0	100 - 140
Oil and grease	mg/L	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.3 - 4.5
Organic nitrogen	mg/L	2.39	1.26	1.86	2.44			EPA 351.2		0.130 - 0.170	0.200
Orthophosphate-P	mg/L	0.185	0.165	0.318	0.629			EPA 365.1		0.006 - 0.008	0.030
PCB-61/70/74/76	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		0.83	970
PCB-101 (Co: 90/101/113)	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		0.63	730
PCB-105	pg/L		DNQ Est. Conc. 2.3	ND	DNQ Est. Conc. 2.3			EPA 1668		0.61	24
PCB-114	pg/L		ND	ND	ND			EPA 1668		0.61	24
PCB-118	pg/L		DNQ Est. Conc. 7.3 (1)	ND	DNQ Est. Conc. 7.3 (1)			EPA 1668		0.57	24
PCB-123	pg/L		ND	ND	ND			EPA 1668		0.61	24
PCB-126	pg/L		ND	ND	ND			EPA 1668		0.66	24
PCB-138 (Co: 129/138/163)	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		0.49	730
PCB-158	pg/L		ND	ND	ND			EPA 1668		0.39	240
PCB-167	pg/L		ND	ND	ND			EPA 1668		0.46	24
PCB-169	pg/L		ND	ND	ND			EPA 1668		0.53	24
PCB-170	pg/L		ND	ND	ND			EPA 1668		1.0	240
PCB-177	pg/L		ND	ND	ND			EPA 1668		0.78	240
PCB-183	pg/L		DNQ Est. Conc. 2.3 (1)	ND	DNQ Est. Conc. 2.3 (1)			EPA 1668		0.75	240
PCB-187	pg/L		ND	ND	ND			EPA 1668		0.77	240
PCB-189	pg/L		ND	ND	ND			EPA 1668		0.57	24
PCB-194	pg/L		ND	ND	ND			EPA 1668		0.82	240
PCB-201	pg/L		ND	ND	ND			EPA 1668		0.57	240
PCB-206	pg/L		ND	ND	ND			EPA 1668		0.59	240
PCB-37	pg/L		ND	ND	ND			EPA 1668		3.6	240
PCB-52	pg/L		DNQ Est. Conc. 11 (1)	ND	DNQ Est. Conc. 11 (1)			EPA 1668		2.1	240
PCB-66	pg/L		DNQ Est. Conc. 4.2 (1)	ND	DNQ Est. Conc. 4.2 (1)			EPA 1668		0.84	240
PCB-77	pg/L		DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 6.1			EPA 1668		1.1	24
PCB-81	pg/L		ND	ND	ND			EPA 1668		1.1	24
PCB-99	pg/L		DNQ Est. Conc. 5.0 (1)	ND	DNQ Est. Conc. 5.0 (1)			EPA 1668		0.60	240
PCB-110/115	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		0.47	490
PCB-128/166	pg/L		ND	ND	ND			EPA 1668		0.45	490
PCB-135/151	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		0.53	490
PCB-147/149	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		0.48	490
PCB-153/168	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		0.42	490
PCB-156/157	pg/L		ND	ND	ND			EPA 1668		0.65	49
PCB-18/30	pg/L		ND	ND	ND			EPA 1668		3.4	490
PCB-180/193	pg/L		ND	ND	ND			EPA 1668		0.70	490
PCB-20/28	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		3.0	490
PCB-44/47/65	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		2.1	730
PCB-49/69	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668		2.0	490
PCB-86/87/97/108/119	pg/L		ND	ND	ND			EPA 1668		0.59	1500
PCBs as Aroclors	ug/L	ND	ND	ND	ND			EPA 608			
PCBs as Congeners	pg/L		ND	ND	ND			EPA 1668			
Pentachlorophenol	ug/L	ND (EPA 625.1 only)	ND / ND	ND / ND	ND / ND			EPA 515.4 / EPA 625 & EPA 625.1	5	0.040 - 0.82	0.20 - 2.0
Perchlorate	ug/L	0.14	0.057	0.49	1.2			EPA 331.0		0.0201 - 0.1005	0.05 - 0.25
Phenanthrene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 10.0
Phenol	ug/L	ND	ND	ND	DNQ Est. Conc. 0.32			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0 - 2.0
pH	SU	7.5	7.3	7.4	7.5			SM 4500 H+ B		1.00	1.00
Pyrene	ug/L	ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 20.0
Radium-226 + radium-228	pCi/L	ND	ND	ND	ND			Drinking H2O Radium Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.41	6.2 (4)	4.7 (4)	EPA 200.8	2	0.02	1.00
Settleable Solids	mL/L	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L	ND	ND	ND	DNQ Est. Conc. 0.03			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L	ND	ND	ND	ND			EPA 905.0		0.277 - 0.414	3.00
Sulfate	mg/L	59.0	55.9	61.1	68.8		300	EPA 300.0		0.050 - 0.110	2.50
Surfactant (CTAS)	mg/L	ND	ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	ND	ND	0.058	0.11		0.5	SM 5540C		0.019 - 0.02	0.050 - 0.10
Technical chlordane	ug/L	ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.80	0.05 - 5.0
Temperature	Degrees F	71.7	68.8	76.6	84.2	86 (5)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L	DNQ Est. Conc. 0.49	ND	0.20	1.2			EPA 624 & EPA 624.1	2	0.18 - 0.25	0.50
Thallium	ug/L	ND	ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L	0.54	ND	0.090	0.54			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
Total chromium	ug/L	1.08	1.04	1.38	1.97			EPA 200.8	0.5	0.10	0.50
Total coliform	No./100mL	ND	ND	ND	ND	(6)	(6)	SM 9222B		1	1

Pomona Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
Total dissolved solids	mg/L	560	525	540	556	518	556	542	644	548	530	588
Total hardness	mg/L	206	207	211	183	200	189	180	198	183	205	210
Total Kjeldahl Nitrogen (TKN)	mg/L	4.20	4.95	4.85	4.58	4.78	3.98	2.50	3.90	3.80	3.18	2.65
Total nitrogen	mg/L	10.4	9.08	9.68	11.1	11.2	10.6	9.86	12.9	10.00	9.18	10.1
Total phosphorus	mg/L		0.217				0.291		0.727			
Total residual chlorine	mg/L	ND	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	ND
Total trihalomethanes	ug/L	23.3	25.2	22.7	53.5	9.6	57.2	32.8	26.3	30.2	48.9	64.6
Toxaphene	ug/L		ND		ND		ND		ND		ND	
Toxic equivalence	pg/L						ND					
Trichloroethylene	ug/L		ND		ND		ND		ND		ND	
Tritium	pCi/L		ND				ND		ND			
Turbidity (flow proportioned avg daily value)	NTU	0.80	0.53	0.97	0.85	0.80	0.80	0.69	0.68	0.59	0.58	0.59
Uranium	pCi/L		ND				ND		ND			
Vinyl chloride	ug/L		ND		ND		ND		ND		ND	
Zinc	ug/L		69.6				70.9		76.1			

Pomona Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
			Minimum	Average	Maximum	Max Daily	Monthly Average				
Total dissolved solids	mg/L	534	518	553	644		750	SM 2540C		2.7	45.5 - 62.5
Total hardness	mg/L	210	180	198	211			EPA 200.8 & SM 2340C		0.01 - 0.02	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	3.15	2.50	3.88	4.95			EPA 351.2		0.130 - 0.170	0.500
Total nitrogen	mg/L	10.2	9.08	10.4	12.9			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.251	0.217	0.372	0.727			EPA 365.1		0.009 - 0.026	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total Suspended Solids	mg/L	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	48.3	9.6	37	64.6		80	EPA 624 & EPA 624.1			
Toxaphene	ug/L	ND	ND	ND	ND			EPA 608	0.5	0.08 - 1.2	0.5 - 20
Toxic equivalence	pg/L	ND	ND	ND	ND			EPA 1613B			
Trichloroethylene	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.26	0.50
Tritium	pCi/L	ND	ND	ND	ND			EPA 906.0		259 - 362	500
Turbidity (flow proportioned avg daily value)	NTU	0.67	0.53	0.71	0.97	2		SM 2130B		0.12	0.12 - 0.50
Uranium	pCi/L	ND	ND	ND	ND			EPA 908.0		0.102 - 0.146	1.00
Vinyl chloride	ug/L	ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.25 - 0.42	0.50
Zinc	ug/L	71.0	69.6	71.9	76.1			EPA 200.8	1	0.70	1.00

(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(3) Wet weather effluent limit.
(4) Dry weather effluent limit.
(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 shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

San Jose Creek WRP, East, Influent Monitoring

San Jose Creek East Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethene	ug/L		ND						ND	
1,2,4-Trichlorobenzene	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	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene (Total)	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		ND						ND	
2,3,7,8-TCDD	pg/L		ND						ND	
2,4,6-Trichlorophenol	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	
2,6-Dinitrotoluene	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	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
3-Methyl-4-chlorophenol	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	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	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. 0.62	
Aldrin	ug/L		ND						DNQ Est. Conc. 0.02	
alpha-BHC	ug/L		ND						DNQ Est. Conc. 0.04	
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.75						2.07	
Aroclor 1016	ug/L		ND						ND	
Aroclor 1221	ug/L		ND						ND	
Aroclor 1232	ug/L		ND						ND	
Aroclor 1242	ug/L		ND						ND	
Aroclor 1248	ug/L		ND						ND	
Aroclor 1254	ug/L		ND						ND	
Aroclor 1260	ug/L		ND						ND	
Arsenic	ug/L		2.53						2.53	
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	
Bromodichloromethane	ug/L		0.69						1.3	
Bromoform	ug/L		0.68						DNQ Est. Conc. 0.45	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		0.22						0.20	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chlorodibromomethane	ug/L		0.93						0.68	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		3.6						7.2	
Chromium III	ug/L		4.23						4.73	
Chromium VI	ug/L		0.24						0.21	

San Jose Creek East Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.23	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.12	0.50
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.19	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.19 - 0.51	40.0 - 200
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.63	40.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.26 - 0.68	11
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.21 - 0.64	40.0 - 400
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.60 - 0.63	40.0 - 200
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.44 - 0.88	40.0 - 80.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	1.5 - 2.8	200
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.37	40.0 - 200
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.28 - 0.50	40.0 - 200
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.41	40.0 - 400
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.18 - 0.41	40.0 - 200
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.92 - 1.3	200
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.10 - 0.31	40.0 - 400
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.54 - 0.81	40.0 - 200
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.44 - 0.69	40.0
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.10
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.58	40.0 - 200
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.32 - 0.63	40.0 - 200
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	1.3 - 1.6	200
Acenaphthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.22 - 0.50	40.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.50	40.0 - 400
Acrolein	ug/L				ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	DNQ Est. Conc. 0.62	EPA 624		0.50	2.0
Aldrin	ug/L				ND	ND	DNQ Est. Conc. 0.02	EPA 608	0.005	0.0009	0.05
alpha-BHC	ug/L				ND	ND	DNQ Est. Conc. 0.04	EPA 608	0.01	0.002	0.10
Anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.56	40.0 - 400
Antimony	ug/L				0.75	1.4	2.07	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09	3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01	0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01	1.0
Arsenic	ug/L				2.53	2.53	2.53	EPA 200.8	2	0.06	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.77 - 1.8	200
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.14 - 0.46	40.0 - 200
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.54	40.0 - 400
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.22 - 0.61	40.0 - 400
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.12 - 0.52	40.0 - 200
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.53	40.0 - 400
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.11 - 0.28	40.0 - 200
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.27	40.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.20 - 0.25	40.0 - 80.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.16 - 0.55	40.0 - 80.0
Bromodichloromethane	ug/L				0.69	1.0	1.3	EPA 624	2	0.20	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.45	0.34	0.68	EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.58	40.0 - 400
Cadmium	ug/L				0.20	0.21	0.22	EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L				0.68	0.81	0.93	EPA 624	2	0.17	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.43	0.50
Chloroform	ug/L				3.6	5.4	7.2	EPA 624	2	0.17	0.50
Chromium III	ug/L				4.23	4.48	4.73	EPA 200.8			0.50
Chromium VI	ug/L				0.21	0.23	0.24	EPA 218.6 (Dissolved)		0.02	0.05

Parameter	Units	January	February	March	April	May	June	July	August	September
Chromium, total	ug/L		3.50						5.58	
Chrysene	ug/L		ND						ND	
Copper	ug/L		48.8						92.2	
delta-BHC	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND						ND	
Diethyl phthalate	ug/L		ND						ND	
Dimethyl phthalate	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Endosulfan I	ug/L		ND						ND	
Endosulfan II	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						DNQ Est. Conc. 0.02	
Ethylbenzene	ug/L		ND						ND	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
gamma-BHC (Lindane)	ug/L		ND						DNQ Est. Conc. 0.03	
Heptachlor	ug/L		ND						ND	
Heptachlor epoxide	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	1.48	1.89	3.02	1.76	1.39	2.17	1.78	3.24	3.91
Mercury	ug/L		0.091						0.14	
Methyl bromide (Bromomethane)	ug/L		ND						ND	
Methyl chloride (Chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		2.6						6.4	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		7.27						6.78	
Nitrobenzene	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
PCB-105	pg/L								190	
PCB-110/115	pg/L								560 (1)	
PCB-114	pg/L								ND	
PCB-118	pg/L								500 (1)	
PCB-123	pg/L								DNQ Est. Conc. 14	
PCB-126	pg/L								ND	
PCB-128/166	pg/L								DNQ Est. Conc. 59	
PCB-129/138/163	pg/L								DNQ Est. Conc. 450 (1)	
PCB-135/151	pg/L								DNQ Est. Conc. 150	
PCB-147/149	pg/L								DNQ Est. Conc. 330 (1)	
PCB-153/168	pg/L								DNQ Est. Conc. 360 (1)	
PCB-156	pg/L								61 (1)	
PCB-157	pg/L								ND	
PCB-158	pg/L								DNQ Est. Conc. 49	
PCB-167	pg/L								25	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 110	
PCB-177	pg/L								DNQ Est. Conc. 54	
PCB-18/30	pg/L								DNQ Est. Conc. 170	
PCB-180/193	pg/L								DNQ Est. Conc. 270 (1)	
PCB-183	pg/L								DNQ Est. Conc. 57	
PCB-187	pg/L								DNQ Est. Conc. 170	
PCB-189	pg/L								DNQ Est. Conc. 7.8	
PCB-194	pg/L								DNQ Est. Conc. 75	
PCB-201	pg/L								DNQ Est. Conc. 13	
PCB-206	pg/L								DNQ Est. Conc. 44	
PCB-28	pg/L								176	
PCB-37	pg/L								DNQ Est. Conc. 110	
PCB-44/47/65	pg/L								252 (1)	
PCB-49/69	pg/L								DNQ Est. Conc. 190 (1)	
PCB-52	pg/L								510 (1)	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 550 (1)	
PCB-66	pg/L								280	
PCB-77	pg/L								33	
PCB-81	pg/L								ND	

San Jose Creek East Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Chromium, total	ug/L				3.50	4.54	5.58	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.16 - 0.41	40.0 - 400
Copper	ug/L				48.8	70.5	92.2	EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.004	0.05
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.58	40.0 - 400
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.26 - 0.42	40.0 - 80.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.28 - 0.41	40.0 - 80.0
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.59	40.0 - 400
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.11 - 0.69	40.0 - 400
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.10
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.009	0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Endrin aldehyde	ug/L				ND	ND	DNQ Est. Conc. 0.02	EPA 608	0.01	0.002	0.10
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.24 - 0.69	40.0
Fluorene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.35 - 0.58	40.0 - 400
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.03	EPA 608	0.02	0.0009	0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008	0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.47	40.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.33 - 0.96	40.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.53 - 2.0	200
Hexachloroethane	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.81	40.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.53	40.0 - 400
Isophorone	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.11 - 0.28	40.0
Lead	ug/L	3.51	1.11	1.82	1.11	2.26	3.91	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.091	0.12	0.14	EPA 245.1	0.5	0.012 - 0.017	0.04 - 0.050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Methylene chloride	ug/L				2.6	4.5	6.4	EPA 624	2	0.30	0.50
Naphthalene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.20	40.0
Nickel	ug/L				6.78	7.03	7.27	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.31	40.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625 & EPA 625.1 & EPA 1625B (Modified)	5	0.0005 - 0.50	0.020 - 200
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1 & EPA 1625B (Modified)	5	0.0006 - 0.50	0.020 - 200
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1 & EPA 1625B (Modified)		0.0013 - 0.64	0.10 - 40.0
PCB-105	pg/L				190	190	190	EPA 1668		10	20
PCB-110/115	pg/L				560 (1)	560 (1)	560 (1)	EPA 1668			
PCB-114	pg/L				ND	ND	ND	EPA 1668		10	20
PCB-118	pg/L				500 (1)	500 (1)	500 (1)	EPA 1668		10	20
PCB-123	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		11	20
PCB-126	pg/L				ND	ND	ND	EPA 1668		12	20
PCB-128/166	pg/L				DNQ Est. Conc. 59	ND	DNQ Est. Conc. 59	EPA 1668		3.9	400
PCB-129/138/163	pg/L				DNQ Est. Conc. 450 (1)	ND	DNQ Est. Conc. 450 (1)	EPA 1668		4.2	600
PCB-135/151	pg/L				DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		4.6	400
PCB-147/149	pg/L				DNQ Est. Conc. 330 (1)	ND	DNQ Est. Conc. 330 (1)	EPA 1668		4.2	400
PCB-153/168	pg/L				DNQ Est. Conc. 360 (1)	ND	DNQ Est. Conc. 360 (1)	EPA 1668		3.5	400
PCB-156	pg/L				61 (1)	61 (1)	61 (1)	EPA 1668			
PCB-157	pg/L				ND	ND	ND	EPA 1668			
PCB-158	pg/L				DNQ Est. Conc. 49	ND	DNQ Est. Conc. 49	EPA 1668		3.5	200
PCB-167	pg/L				25	25	25	EPA 1668		19	20
PCB-169	pg/L				ND	ND	ND	EPA 1668		18	20
PCB-170	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		6.0	200
PCB-177	pg/L				DNQ Est. Conc. 54	ND	DNQ Est. Conc. 54	EPA 1668		4.9	200
PCB-18/30	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		11	400
PCB-180/193	pg/L				DNQ Est. Conc. 270 (1)	ND	DNQ Est. Conc. 270 (1)	EPA 1668		4.3	400
PCB-183	pg/L				DNQ Est. Conc. 57	ND	DNQ Est. Conc. 57	EPA 1668		4.1	200
PCB-187	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		7.8	1000
PCB-189	pg/L				DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8	EPA 1668		3.2	20
PCB-194	pg/L				DNQ Est. Conc. 75	ND	DNQ Est. Conc. 75	EPA 1668		4.7	200
PCB-201	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		1.7	200
PCB-206	pg/L				DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44	EPA 1668		2.2	200
PCB-28	pg/L				176	176	176	EPA 1668			
PCB-37	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		18	200
PCB-44/47/65	pg/L				252 (1)	252 (1)	252 (1)	EPA 1668			
PCB-49/69	pg/L				DNQ Est. Conc. 190 (1)	ND	DNQ Est. Conc. 190 (1)	EPA 1668		12	400
PCB-52	pg/L				510 (1)	510 (1)	510 (1)	EPA 1668		13	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 550 (1)	ND	DNQ Est. Conc. 550 (1)	EPA 1668		7.5	800
PCB-66	pg/L				280	280	280	EPA 1668		7.8	200
PCB-77	pg/L				33	33	33	EPA 1668		11	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		12	20

San Jose Creek East Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 400	
PCB-90/101/113	pg/L								DNQ Est. Conc. 570 (1)	
PCB-99	pg/L								210	
Pentachlorophenol	ug/L		ND						ND	
pH	SU	7.3	7.4	7.3	7.2	7.3	7.5	7.2	7.1	7.2
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		DNQ Est. Conc. 38.4						ND	
Pyrene	ug/L		ND						ND	
Selenium	ug/L	1.43	1.65	1.37	1.21	1.20	1.29	1.29	1.44	1.27
Silver	ug/L		0.30						0.39	
Technical Chlordane	ug/L		ND						ND	
Tetrachloroethene	ug/L		ND						ND	
Thallium	ug/L		ND						ND	
Toluene	ug/L		0.74						1.2	
Total BOD 20C	mg/L	418	441	419	436	443	461	386	485	570
Total cyanide	ug/L		ND						ND	
Total suspended solids	mg/L	491	557	492	498	589	695	470	656	771
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		127						234	

San Jose Creek East Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 400	ND	DNQ Est. Conc. 400	EPA 1668		9.7	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 570 (1)	ND	DNQ Est. Conc. 570 (1)	EPA 1668		11	600
PCB-99	pg/L				210	210	210	EPA 1668		8.9	200
Pentachlorophenol	ug/L				ND	ND	ND	EPA 515.4 & EPA 625 & EPA 625.1	5	0.040 - 0.82	0.20 - 40.0
pH	SU	7.1	7.1	7.2	7.1	7.2	7.5	SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.31 - 0.59	40.0 - 200
Phenol	ug/L				ND	ND	DNQ Est. Conc. 38.4	EPA 625 & EPA 625.1	1	0.12 - 0.24	40.0
Pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.28 - 0.60	40.0 - 400
Selenium	ug/L	1.43	DNQ Est. Conc. 0.93	DNQ Est. Conc. 0.83	DNQ Est. Conc. 0.83	1.1	1.65	EPA 200.8	2	0.02	1.00
Silver	ug/L				0.30	0.35	0.39	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01	0.50
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L				0.74	0.97	1.2	EPA 624	2	0.17	0.50
Total BOD 20C	mg/L	770	560	325	325	476	770	SM 5210B		0.6	120 - 300
Total cyanide	ug/L				ND	ND	ND	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	949	914	539	470	635	949	SM 2540D		2.5	50.0 - 83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.08	5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.26	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	ug/L				127	181	234	EPA 200.8	1	0.70	1.00 - 10.0

(1) Blank contamination observed.

San Jose Creek WRP, East, Effluent Monitoring

San Jose Creek East Water Reclamation Plant
2019 EFF-002 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June *	July	August	September
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND	
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1-Dichloroethane	ug/L		ND		ND		ND		ND	
1,1-Dichloroethene	ug/L		ND		ND		ND		ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)(2)						DNQ Est. Conc. 2.5	
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (1)(2)						DNQ Est. Conc. 1.4 (2)	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND						DNQ Est. Conc. 2.1	
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)						ND (1)	
1,2,3,4,7,8-HexaCDF	pg/L		ND (1)						DNQ Est. Conc. 1.3	
1,2,3,6,7,8-HexaCDD	pg/L		ND (1)						DNQ Est. Conc. 1.5	
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.20 (2)						DNQ Est. Conc. 1.3 (2)	
1,2,3,7,8,9-HexaCDD	pg/L		ND (1)						DNQ Est. Conc. 1.9 (2)	
1,2,3,7,8,9-HexaCDF	pg/L		ND						ND (1)	
1,2,3,7,8-PentaCDD	pg/L		ND						DNQ Est. Conc. 0.86	
1,2,3,7,8-PentaCDF	pg/L		ND						DNQ Est. Conc. 2.1	
1,2,3-Trichloropropane	ug/L								0.0091	0.0091
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND	
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,2-Dichloroethane	ug/L		ND		ND		ND		ND	
1,2-Dichloropropane	ug/L		ND		ND		ND		ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND	
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,4-Dioxane	ug/L								1.0	
2,3,4,6,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 1.5	
2,3,4,7,8-PentaCDF	pg/L		ND						DNQ Est. Conc. 1.2	
2,3,7,8-TCDD	pg/L		ND				ND		ND	
2,3,7,8-TetraCDF	pg/L		ND (1)						DNQ Est. Conc. 0.42 (2)	
2,4,6-Trichlorophenol	ug/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	
2,6-Dinitrotoluene	ug/L		ND						ND	
2-Chloroethyl vinyl ether (mixed)	ug/L		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	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND		ND		ND		ND	
4,4'-DDE	ug/L		ND		ND		ND		ND	
4,4'-DDT	ug/L		ND		ND		ND		ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	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		ND		ND	
alpha-BHC	ug/L		ND		ND		ND		ND	
Ammonia as nitrogen	mg/L	1.09	0.800	0.936	1.23	1.37	1.30	0.968	1.21	1.25
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.57				0.62		0.72	
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		ND	
Aroclor 1248	ug/L		ND		ND				ND	
Aroclor 1254	ug/L		ND		ND		ND		ND	
Aroclor 1260	ug/L		ND		ND				ND	
Arsenic	ug/L		1.11				DNQ Est. Conc. 0.95		1.12	
Barium	ug/L		72.3				56.4		56.5	
Benzene	ug/L		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	

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.16 - 0.33	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.21 - 0.23	0.50
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.12 - 0.13	0.50
1,1-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.08 - 0.19	0.50
1,1-Dichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.32	0.50
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND (1)(2)	ND (1)(2)	DNQ Est. Conc. 2.5			EPA 1613B		0.17 - 0.48	50 - 51
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND (1)(2)	ND (1)(2)	DNQ Est. Conc. 1.4 (2)			EPA 1613B		0.52 - 0.55	50 - 51
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.66 - 0.69	50 - 51
1,2,3,4,7,8-HexaCDD	pg/L				ND (1)	ND (1)	ND (1)			EPA 1613B		0.21 - 0.42	50 - 51
1,2,3,4,7,8-HexaCDF	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 1.3			EPA 1613B		0.20 - 0.39	50 - 51
1,2,3,6,7,8-HexaCDD	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 1.5			EPA 1613B		0.20 - 0.41	50 - 51
1,2,3,6,7,8-HexaCDF	pg/L				DNQ Est. Conc. 0.20 (2)	ND	DNQ Est. Conc. 1.3 (2)			EPA 1613B		0.19 - 0.36	50 - 51
1,2,3,7,8,9-HexaCDD	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 1.9 (2)			EPA 1613B		0.19 - 0.38	50 - 51
1,2,3,7,8,9-HexaCDF	pg/L				ND (1)	ND (1)	ND (1)			EPA 1613B		0.13 - 0.24	50 - 51
1,2,3,7,8-PentaCDD	pg/L				ND	ND	DNQ Est. Conc. 0.86			EPA 1613B		0.30 - 0.54	50 - 51
1,2,3,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.21 - 0.42	50 - 51
1,2,3-Trichloropropane	ug/L	0.013			0.0091	0.010	0.013			EPA 524.2 (TCP)		0.0012	0.0050
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	1.0 - 5.0
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.22	0.50
1,2-Dichloropropane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.14 - 0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
1,3-Dichloropropene (Total)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2		
1,4-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.25	0.50
1,4-Dioxane	ug/L				1.0	1.0	1.0			SW-846 8270MOD 1,4-Dioxane		0.19	0.40
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.13 - 0.22	50 - 51
2,3,4,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.23 - 0.41	50 - 51
2,3,7,8-TCDD	pg/L			ND	ND	ND	ND			EPA 1613B		0.22 - 1.5	10
2,3,7,8-TetraCDF	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 0.42 (2)			EPA 1613B		0.11 - 0.27	10
2,4,6-Trichlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 10.0
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 5.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 5.0
2-Chloroethyl vinyl ether (mixed)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.19 - 0.28	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	1.0 - 10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0
4,4'-DDD	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.005	0.01
4,4'-DDE	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.004	0.01
4,4'-DDT	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	1.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	1.0 - 5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0
Acenaphthene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.50	2.0
Aldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.003	0.005
alpha-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	1.09	0.910	0.771	0.771	1.08	1.37	6.1(3)/7.8(4)	4.2(3)/5.4(4)	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 10.0
Antimony	ug/L			0.56	0.56	0.62	0.72			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	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	0.1
Aroclor 1254	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.08	0.05 - 0.1
Aroclor 1260	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.01	0.1
Arsenic	ug/L			DNQ Est. Conc. 0.89	DNQ Est. Conc. 0.89	0.56	1.12			EPA 200.8	2	0.06	1.00
Barium	ug/L			59.9	56.4	61.3	72.3			EPA 200.8		0.06 - 0.24	0.50
Benzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.09 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 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			EPA 610	10	0.004 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 5.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.005 - 0.014	0.020

Parameter	Units	January	February	March	April	May	June *	July	August	September
Beryllium	ug/L		ND				ND		ND	
beta-BHC	ug/L		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	
Boron	mg/L	0.31	0.27	0.26	0.29	0.34	0.34	0.31	0.30	0.31
Bromodichloromethane	ug/L	17.6	14.7	15.8	17.3	19.9	26.4	2.3	22.2	23.6
Bromoform	ug/L	0.56	DNQ Est. Conc. 0.37	0.66	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.35	0.67	ND	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.44
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		DNQ Est. Conc. 0.051				DNQ Est. Conc. 0.057		ND	
Carbon tetrachloride	ug/L		ND		ND		ND		ND	
Chloride	mg/L	141	145	154	141	133	144	149	133	139
Chlorobenzene	ug/L		ND		ND		ND		ND	
Chlorodibromomethane	ug/L	6.1	5.1	6.8	5.1	5.4	8.1	DNQ Est. Conc. 0.32	6.2	5.4
Chloroethane	ug/L		ND		ND		ND		ND	
Chloroform	ug/L	26.6	34.2	19.5	29.9	35.3	44.7	10.5	48.8	51.2
Chlorpyrifos	ug/L		ND						ND	
Chromium III	ug/L		0.61				1.49		0.80	
Chromium VI	ug/L		0.11				0.12		0.12	
Chromium, total (24-hour composite)	ug/L		0.72				1.37		0.68	
Chromium, total (grab)	ug/L		0.71				1.61		0.92	
Chrysene	ug/L		ND						ND	
Copper	ug/L		3.95			4.97	3.21		3.97	
delta-BHC	ug/L		ND		ND		ND		ND	
Diazinon	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND		ND		ND		ND	
Diethyl phthalate	ug/L		ND						ND	
Dimethyl phthalate	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dissolved oxygen	mg/L	8.0	8.1	7.7	7.2	7.5	7.2	7.2	6.4	6.2
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ug/L		ND						ND	
Endosulfan II	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin	ug/L		ND		ND		ND		ND	
Endrin aldehyde	ug/L		ND						ND	
Ethylbenzene	ug/L		ND		ND		ND		ND	
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND	
Fluorene	ug/L		ND						ND	
Fluoride	mg/L		0.403		0.434		0.468		0.471	
gamma-BHC (Lindane)	ug/L		ND		ND		ND		ND	
Gross alpha radioactivity	pCi/L		2.11				ND		ND	
Gross beta radioactivity	pCi/L		14.6				15.1		13.7	
Heptachlor	ug/L		ND		ND		ND		ND	
Heptachlor epoxide	ug/L		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		39				56		45	
Isophorone	ug/L		ND						ND	
Lead	ug/L	0.31	0.26	0.32	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.20	0.47	DNQ Est. Conc. 0.21	0.30	DNQ Est. Conc. 0.24
Mercury	ug/L		0.00248		0.00492		0.0044		0.0020	
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND	
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND	
Methyl tert-butyl ether (MTBE)	ug/L		ND				ND		ND	
Methylene chloride	ug/L		DNQ Est. Conc. 0.49		ND		ND		ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		4.75				2.15		2.27	
Nitrate + nitrite as nitrogen	mg/L	5.37	5.70	3.43	3.45	4.89	3.74	4.07	5.63	7.13
Nitrate as nitrogen	mg/L	5.35	5.67	3.42	3.43	4.85	3.71	4.02	5.59	7.11
Nitrite as nitrogen	mg/L	ND	ND	ND	ND	0.034	0.035	0.045	0.044	ND
Nitrobenzene	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L	0.044	0.042	0.075	0.11	0.17	0.084	0.12	0.047	0.12
n-Nitrosodi-n-propylamine	ug/L	ND	ND						ND	
n-Nitrosodiphenylamine	ug/L	ND	ND						ND	
OctaCDD	pg/L		ND (1)						ND (1)(2)	
OctaCDF	pg/L		ND (1)(2)						DNQ Est. Conc. 3.3 (2)	
Oil and grease	mg/L		ND			ND			ND	

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Beryllium	ug/L			ND	ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L	ND		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 & EPA 625.1	5	0.11 - 0.28	1.0 - 5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 2.0
Boron	mg/L	0.29	0.31	0.33	0.26	0.31	0.34		1	EPA 200.8		0.008 - 0.017	0.020
Bromodichloromethane	ug/L	21.7	18.3	16.3	2.3	18	26.4			EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.33	ND	0.16	0.67			EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 10.0
Cadmium	ug/L			ND	ND	ND	DNQ Est. Conc. 0.057			EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.19	0.50
Chloride	mg/L	137	140	141	133	141	154		180	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.10 - 0.22	0.50
Chlorodibromomethane	ug/L	4.6	5.7	5.5	DNQ Est. Conc. 0.32	5.3	8.1			EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Chloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.31 - 0.43	0.50
Chloroform	ug/L	48.5	30.2	23.6	10.5	33.6	51.2			EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chlorpyrifos	ug/L				ND	ND	ND			SW-846 8141A		0.003 - 0.0060	0.05 - 0.10
Chromium III	ug/L			0.68	0.61	0.90	1.49			EPA 200.8			0.50
Chromium VI	ug/L			0.08	0.08	0.1	0.12			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chromium, total (24-hour composite)	ug/L			0.72	0.68	0.87	1.37			EPA 200.8		0.10	0.50
Chromium, total (grab)	ug/L			0.77	0.71	1.0	1.61			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.005 - 0.014	0.020
Copper	ug/L		3.88	4.77	3.21	4.13	4.97			EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Diazinon	ug/L				ND	ND	ND			EPA 525.2 & SW-846 8141A		0.004 - 0.30	0.05 - 0.50
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.004 - 0.014	0.020
Dieldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0009 - 0.001	0.01
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.26 - 0.42	1.0 - 2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 2.0
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	1.0 - 10.0
Dissolved oxygen	mg/L	6.1	7.2	8.2	6.1	7.3	8.2			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.009	0.01
Endrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		0	1
Fluoranthene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 10.0
Fluoride	mg/L	0.394		0.397	0.394	0.428	0.471			SM 4500 F C		0.004 - 0.049	0.100
gamma-BHC (Lindane)	ug/L	ND		DNQ Est. Conc. 0.005	ND	ND	DNQ Est. Conc. 0.005			EPA 608	0.02	0.0009 - 0.002	0.01
Gross alpha radioactivity	pCi/L			ND	ND	0.528	2.11		15	EPA 900.0		1.76 - 3.94	3.00
Gross beta radioactivity	pCi/L			13.9	13.7	14.3	15.1			EPA 900.0		1.24 - 2.14	4.00
Heptachlor	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.005	0.01
Heptachlor epoxide	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.005	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625 & EPA 625.1		0.0090 - 0.47	0.25 - 1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625 & EPA 625.1		0.061 - 2.0	0.25 - 5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.004 - 0.013	0.020
Iron	ug/L			38	38	45	56			EPA 200.8		3	20
Isophorone	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0
Lead	ug/L	0.31	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.20	0.16	0.47	166 (5)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.0027	0.0020	0.0033	0.00492			EPA 1631E		0.000047 - 0.00008	0.00050
Methyl bromide (Bromomethane)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.48	0.50
Methyl chloride (Chloromethane)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.41 - 0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND	ND			EPA 624 & EPA 624.1		0.08 - 0.14	0.50
Methylene chloride	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.49			EPA 624 & EPA 624.1	2	0.30 - 0.46	0.50
Naphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0
Nickel	ug/L			1.94	1.94	2.78	4.75			EPA 200.8	1	0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	6.40	5.70	6.13	3.43	5.14	7.13		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	6.38	5.67	6.10	3.42	5.11	7.11			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	ND	0.031	ND	0.016	0.045		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.057	0.059	0.37	0.042	0.11	0.37			EPA 1625B (Modified)		0.0005	0.0020 - 0.010
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1 & EPA 1625B (Modified)		0.0006 - 0.50	0.0020 - 5.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1 & EPA 1625B (Modified)		0.0013 - 0.64	0.010 - 1.0
OctaCDD	pg/L				ND (1)(2)	ND (1)(2)	ND (1)(2)			EPA 1613B		0.19 - 0.61	100
OctaCDF	pg/L				ND (1)(2)	ND (1)(2)	DNQ Est. Conc. 3.3 (2)			EPA 1613B		0.20 - 0.50	100
Oil and grease	mg/L		ND		ND	ND	ND	15	10	EPA 1664A		1.2	4.5 - 4.7

Parameter	Units	January	February	March	April	May	June *	July	August	September
Organic nitrogen	mg/L	1.61	1.08	2.06	1.44	0.941	1.75	1.34	0.981	1.21
Orthophosphate-P	mg/L	0.466	0.144	0.218	0.261	0.118	0.273	0.447	0.206	0.822
PCB-105	pg/L								DNQ Est. Conc. 2.1	
PCB-110/115	pg/L								ND (1)	
PCB-114	pg/L								ND	
PCB-118	pg/L								ND (1)	
PCB-123	pg/L								ND	
PCB-126	pg/L								ND	
PCB-128/166	pg/L								DNQ Est. Conc. 0.54 (2)	
PCB-129/138/163	pg/L								ND (1)	
PCB-135/151	pg/L								DNQ Est. Conc. 1.7 (2)	
PCB-147/149	pg/L								ND (1)(2)	
PCB-153/168	pg/L								ND (1)	
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	
PCB-180/193	pg/L								ND (1)	
PCB-183	pg/L								DNQ Est. Conc. 1.4	
PCB-187	pg/L								DNQ Est. Conc. 0.70	
PCB-189	pg/L								ND	
PCB-194	pg/L								ND	
PCB-20/28	pg/L								DNQ Est. Conc. 14	
PCB-201	pg/L								ND	
PCB-206	pg/L								ND	
PCB-37	pg/L								ND	
PCB-44/47/65	pg/L								ND (1)	
PCB-49/69	pg/L								DNQ Est. Conc. 4.8 (1)	
PCB-52	pg/L								DNQ Est. Conc. 13 (1)	
PCB-61/70/74/76	pg/L								ND (1)	
PCB-66	pg/L								DNQ Est. Conc. 3.6 (2)	
PCB-77	pg/L								ND	
PCB-81	pg/L								ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 4.4	
PCB-90/101/113	pg/L								ND (1)	
PCB-99	pg/L								DNQ Est. Conc. 2.0 (2)	
Pentachlorophenol	ug/L		ND		ND		ND		ND	
Perchlorate	ug/L	0.28	0.2	0.24	0.29	0.25	0.14	0.23	0.82	1.0
pH (Reuse)	SU	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2
pH (SJC)	SU	7.3	7.3	7.3	7.3	7.3		7.3	7.2	7.3
Phenanthrene	ug/L		ND		ND		ND		ND	
Phenol	ug/L		DNQ Est. Conc. 0.12		DNQ Est. Conc. 0.19		DNQ Est. Conc. 0.24		ND	
Pyrene	ug/L		ND						ND	
Radium-226 + radium-228	pCi/L									
Selenium	ug/L	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.74	DNQ Est. Conc. 0.61	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.23
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				ND		ND	
Strontium-90	pCi/L		ND				ND		ND	
Sulfate	mg/L	114	117	121	98.3	87.0	84.0	86.4	82.3	85.1
Surfactant (CTAS)	mg/L		ND			ND			ND	
Surfactant (MBAS)	mg/L		ND		ND	0.062	0.053		0.12	
Technical Chlordane	ug/L		ND				ND		ND	
Temperature (SJC)	Degrees F	73.7	71.7	73.3	76.6	77.9		82.8	84.4	85.2
Tetrachloroethene	ug/L		ND		ND		ND		ND	
Thallium	ug/L		ND				ND		ND	
Toluene	ug/L		ND		ND		ND		ND	
Total BOD 20C	mg/L	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
Total coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		DNQ Est. Conc. 2.04			DNQ Est. Conc. 1.46			ND	
Total detectable PCB's (Sum of Aroclors)	ug/L		ND		ND		ND		ND	
Total detectable PCB's (Sum of Congeners)	pg/L								ND	
Total dissolved solids	mg/L	640	612	668	602	590	600	594	516	580
Total hardness (CaCO3)	mg/L	200	244	220	196	182	187	191	177	162
Total Kjeldahl Nitrogen (TKN)	mg/L	2.70	1.88	3.00	2.68	2.31	3.05	2.31	2.19	2.46
Total nitrogen	mg/L	8.07	7.58	6.43	6.12	9.22	6.79	6.38	7.82	9.59
Total phosphorus	mg/L	0.525	0.183	0.255	0.311	0.145	0.312	0.512	0.260	0.900
Total residual chlorine (SJC)	mg/L	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	50.9	54.0	42.8	52.3	60.6	79.8	12.8	77.2	80.2

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Organic nitrogen	mg/L	1.40	1.53	1.32	0.941	1.39	2.06			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.170	0.200
Orthophosphate-P	mg/L	0.750	0.434	0.223	0.118	0.364	0.822			EPA 365.1		0.006 - 0.008	0.030
PCB-105	pg/L				DNQ Est. Conc. 2.1	ND	DNQ Est. Conc. 2.1			EPA 1668		0.39	20
PCB-110/115	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.29	410
PCB-114	pg/L				ND	ND	ND			EPA 1668		0.39	20
PCB-118	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.36	20
PCB-123	pg/L				ND	ND	ND			EPA 1668		0.38	20
PCB-126	pg/L				ND	ND	ND			EPA 1668		0.47	20
PCB-128/166	pg/L				DNQ Est. Conc. 0.54 (2)	ND	DNQ Est. Conc. 0.54 (2)			EPA 1668		0.32	410
PCB-129/138/163	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.35	610
PCB-135/151	pg/L				DNQ Est. Conc. 1.7 (2)	ND	DNQ Est. Conc. 1.7 (2)			EPA 1668		0.38	410
PCB-147/149	pg/L				ND (1)(2)	ND (1)(2)	ND (1)(2)			EPA 1668		0.35	410
PCB-153/168	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.30	410
PCB-156/157	pg/L				ND	ND	ND			EPA 1668		0.50	41
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.29	200
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.36	20
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.46	20
PCB-170	pg/L				ND	ND	ND			EPA 1668		0.67	200
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.55	200
PCB-18/30	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		3.6	410
PCB-180/193	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.48	410
PCB-183	pg/L				DNQ Est. Conc. 1.4	ND	DNQ Est. Conc. 1.4			EPA 1668		0.46	200
PCB-187	pg/L				DNQ Est. Conc. 0.70	ND	DNQ Est. Conc. 0.70			EPA 1668		0.39	200
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.49	20
PCB-194	pg/L				ND	ND	ND			EPA 1668		0.54	200
PCB-20/28	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		2.8	410
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.53	200
PCB-206	pg/L				ND	ND	ND			EPA 1668		0.72	200
PCB-37	pg/L				ND	ND	ND			EPA 1668		3.0	200
PCB-44/47/65	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		1.1	610
PCB-49/69	pg/L				DNQ Est. Conc. 4.8 (1)	ND	DNQ Est. Conc. 4.8 (1)			EPA 1668		1.0	410
PCB-52	pg/L				DNQ Est. Conc. 13 (1)	ND	DNQ Est. Conc. 13 (1)			EPA 1668		1.1	200
PCB-61/70/74/76	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.58	820
PCB-66	pg/L				DNQ Est. Conc. 3.6 (2)	ND	DNQ Est. Conc. 3.6 (2)			EPA 1668		0.60	200
PCB-77	pg/L				ND	ND	ND			EPA 1668		0.81	20
PCB-81	pg/L				ND	ND	ND			EPA 1668		0.78	20
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 4.4	ND	DNQ Est. Conc. 4.4			EPA 1668		0.37	1200
PCB-90/101/113	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.41	610
PCB-99	pg/L				DNQ Est. Conc. 2.0 (2)	ND	DNQ Est. Conc. 2.0 (2)			EPA 1668		0.34	200
Pentachlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 515.4 & EPA 625 & EPA 625.1	5	0.040 - 0.82	0.20 - 1.0
Perchlorate	ug/L	0.62	0.22	0.16	0.14	0.4	1.0			EPA 331.0		0.0201	0.05
pH (Reuse)	SU	7.3	7.3	7.3	7.2	7.3	7.3			SM 4500 H+ B		1.00	1.00
pH (SJC)	SU	7.3	7.3	7.3	7.2	7.3	7.3			SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 5.0
Phenol	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.24			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0
Pyrene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 10.0
Radium-226 + radium-228	pCi/L			ND	ND	ND	ND		5	Drinking H2O Radium Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.74	6.5 (6)	4.6 (6)	EPA 200.8	2	0.02	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	0.02	0.20
Strontium-90	pCi/L			ND	ND	ND	ND		8	EPA 905.0		0.266 - 0.324	3.00
Sulfate	mg/L	76.8	75.0	78.4	75.0	92.1	121		300	EPA 300.0		0.050 - 0.110	2.50
Surfactant (CTAS)	mg/L		ND		ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	0.053	ND	ND	ND	0.036	0.12		0.5	SM 5540C		0.019 - 0.03	0.050 - 0.10
Technical Chlordane	ug/L			ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.04	0.05
Temperature (SJC)	Degrees F	82.8	79.3	74.8	71.7	78.4	85.2	86 (7)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.25	0.50
Thallium	ug/L			ND	ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Total chlorinated hydrocarbons (TICH)	ug/L		ND		ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(8)	(8)	SM 9221B & SM 9222B		1	1
Total coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222B		1	1
Total cyanide	ug/L		DNQ Est. Conc. 1.19		ND	ND	DNQ Est. Conc. 2.04			SM 4500 CN E	5	1.00	5.00
Total detectable PCB's (Sum of Aroclors)	ug/L	ND		ND	ND	ND	ND			EPA 608			
Total detectable PCB's (Sum of Congeners)	pg/L				ND	ND	ND			EPA 1668			
Total dissolved solids	mg/L	528	587	574	516	591	668		750	SM 2540C		2.7	45.5 - 62.5
Total hardness (CaCO3)	mg/L	163	178	190	162	191	244			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.49	2.44	2.09	1.88	2.47	3.05			EPA 351.2		0.130 - 0.170	0.500
Total nitrogen	mg/L	8.89	8.14	8.22	6.12	7.77	9.59			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.848	0.502	0.299	0.145	0.421	0.900			EPA 365.1		0.009 - 0.026	0.030
Total residual chlorine (SJC)	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.04	0.10 - 0.50
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5 - 4.3
Total trihalomethanes	ug/L	74.8	54.2	45.4	12.8	57.1	80.2		80	EPA 624 & EPA 624.1			

San Jose Creek East Water Reclamation Plant
2019 EFF-002 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June *	July	August	September
Toxaphene	ug/L		ND		ND		ND		ND	
Toxic equivalence	pg/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND		ND		ND		ND	
Trichloroethene	ug/L		ND		ND		ND		ND	
Tritium	pCi/L		ND				ND		ND	
Turbidity (flow proportioned avg daily value)	NTU	0.60	0.88	0.66	0.61	0.60	0.58	0.54	0.63	0.81
Uranium	pCi/L		1.63				ND		ND	
Vinyl chloride	ug/L		ND		ND		ND		ND	
Zinc	ug/L		61.3				64.9		60.8	

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Toxaphene	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.05 - 0.3	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.06 - 0.26	0.50
Trichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.26	0.50
Tritium	pCi/L			ND	ND	ND	ND		20000	EPA 906.0		280 - 327	500
Turbidity (flow proportioned avg daily value)	NTU	0.84	0.65	0.63	0.54	0.67	0.88	2		SM 2130B		0.12	0.12 - 0.50
Uranium	pCi/L			ND	ND	0.408	1.63		20	EPA 908.0		0.0720 - 0.276	1.00
Vinyl chloride	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.25 - 0.42	0.50
Zinc	ug/L			68.0	60.8	63.8	68.0			EPA 200.8	1	0.70	1.00

*No discharge at EFF-002 during this month.
(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(3) Effluent ammonia limit effective from April 1 to September 30
(4) Effluent ammonia limit effective from October 1 to March 31
(5) Wet weather limit
(6) Dry weather limit
(7) The temperature of wastes discharged shall not exceed 86 °F except as a result of external ambient temperature.
(8) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

San Jose Creek WRP, West, Influent Monitoring

San Jose Creek West Water Reclamation Plant
2019 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethene	ug/L		ND						ND	
1,2,4-Trichlorobenzene	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	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene (Total)	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		ND						ND	
2,3,7,8-TCDD	pg/L		ND						ND	
2,4,6-Trichlorophenol	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	
2,6-Dinitrotoluene	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	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND						ND	
4,4'-DDE	ug/L		ND						ND	
4,4'-DDT	ug/L		ND						DNQ Est. Conc. 0.03	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	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						DNQ Est. Conc. 0.02	
alpha-BHC	ug/L		DNQ Est. Conc. 0.04						DNQ Est. Conc. 0.04	
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.72						1.51	
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		1.85						1.78	
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	
Bromodichloromethane	ug/L		ND						ND	
Bromoform	ug/L		ND						DNQ Est. Conc. 0.24	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		0.28						0.23	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.19						DNQ Est. Conc. 0.18	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		1.4						3.4	
Chromium III	ug/L		4.26						4.97	
Chromium VI	ug/L		DNQ Est. Conc. 0.02						0.29	
Chromium, total	ug/L		7.14						5.96	
Chrysene	ug/L		ND						ND	
Copper	ug/L		102						99.6	

San Jose Creek West Water Reclamation Plant
2019 INF-002 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.23	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.12	0.50
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.19	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.19 - 0.51	40.0 - 100
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.63	20.0 - 40.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.84 - 2.7	10 - 12
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.21 - 0.64	40.0 - 200
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.60 - 0.63	40.0 - 100
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.44 - 0.88	40.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	1.5 - 2.8	100 - 200
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.37	40.0 - 100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.28 - 0.50	40.0 - 100
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.41	40.0 - 200
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.18 - 0.41	40.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.92 - 1.3	100 - 200
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.10 - 0.31	40.0 - 200
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.54 - 0.81	40.0 - 100
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.44 - 0.69	20.0 - 40.0
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.10
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4'-DDT	ug/L				ND	ND	DNQ Est. Conc. 0.03	EPA 608	0.01	0.001 - 0.003	0.10
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.58	40.0 - 100
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.32 - 0.63	40.0 - 100
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	1.3 - 1.6	100 - 200
Acenaphthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.22 - 0.50	20.0 - 40.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.50	40.0 - 200
Acrolein	ug/L				ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.50	2.0
Aldrin	ug/L				ND	ND	DNQ Est. Conc. 0.02	EPA 608	0.005	0.0009 - 0.002	0.05
alpha-BHC	ug/L				DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.04	EPA 608	0.01	0.0005 - 0.002	0.10
Anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.56	40.0 - 200
Antimony	ug/L				0.72	1.1	1.51	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09	3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01	0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01	1.0
Arsenic	ug/L				1.78	1.82	1.85	EPA 200.8	2	0.06	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.77 - 1.8	100 - 200
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.14 - 0.46	40.0 - 100
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.54	40.0 - 200
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.22 - 0.61	40.0 - 200
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.12 - 0.52	40.0 - 100
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.53	40.0 - 200
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002 - 0.004	0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.11 - 0.28	40.0 - 100
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.27	20.0 - 40.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.20 - 0.25	40.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.16 - 0.55	40.0
Bromodichloromethane	ug/L				ND	ND	ND	EPA 624	2	0.20	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.24	EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.58	40.0 - 200
Cadmium	ug/L				0.23	0.26	0.28	EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.19	EPA 624	2	0.17	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.43	0.50
Chloroform	ug/L				1.4	2.4	3.4	EPA 624	2	0.17	0.50
Chromium III	ug/L				4.26	4.62	4.97	EPA 200.8			0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.02	0.1	0.29	EPA 218.6 (Dissolved)		0.02	0.05
Chromium, total	ug/L				5.96	6.55	7.14	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.16 - 0.41	40.0 - 200
Copper	ug/L				99.6	101	102	EPA 200.8	0.5	0.05	0.50

Parameter	Units	January	February	March	April	May	June	July	August	September
delta-BHC	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND						ND	
Diethyl phthalate	ug/L		ND						ND	
Dimethyl phthalate	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Endosulfan I	ug/L		ND						ND	
Endosulfan II	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	
Ethylbenzene	ug/L		ND						DNQ Est. Conc. 0.16	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
gamma-BHC (Lindane)	ug/L		ND						DNQ Est. Conc. 0.02	
Heptachlor	ug/L		ND						ND	
Heptachlor epoxide	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	1.57	2.64	2.26	2.08	1.63	2.37	2.24	2.76	0.82
Mercury	ug/L		0.078						0.24	
Methyl bromide (Bromomethane)	ug/L		ND						ND	
Methyl chloride (Chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		DNQ Est. Conc. 0.32						2.7	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		5.92						4.59	
Nitrobenzene	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND				DNQ Est. Conc. 0.015		ND	
n-Nitrosodi-n-propylamine	ug/L		ND				ND		ND	
n-Nitrosodiphenylamine	ug/L		ND				ND		ND	
PCB-101 (Co: 90/101/113)	pg/L								DNQ Est. Conc. 450	
PCB-105	pg/L								160	
PCB-110/115	pg/L								DNQ Est. Conc. 390 (1)	
PCB-114	pg/L								DNQ Est. Conc. 9.2	
PCB-118	pg/L								370 (1)	
PCB-123	pg/L								DNQ Est. Conc. 11	
PCB-126	pg/L								ND	
PCB-128/166	pg/L								DNQ Est. Conc. 52	
PCB-135/151	pg/L								DNQ Est. Conc. 130	
PCB-138 (Co: 129/138/163)	pg/L								DNQ Est. Conc. 410 (1)	
PCB-147/149	pg/L								DNQ Est. Conc. 290 (1)	
PCB-153/168	pg/L								DNQ Est. Conc. 340 (1)	
PCB-156	pg/L								30 (1)	
PCB-157	pg/L								ND	
PCB-158	pg/L								DNQ Est. Conc. 42	
PCB-167	pg/L								21	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 99	
PCB-177	pg/L								DNQ Est. Conc. 47	
PCB-18/30	pg/L								DNQ Est. Conc. 130	
PCB-180/193	pg/L								DNQ Est. Conc. 240 (1)	
PCB-183	pg/L								DNQ Est. Conc. 55	
PCB-187	pg/L								DNQ Est. Conc. 100	
PCB-189	pg/L								DNQ Est. Conc. 4.7	
PCB-194	pg/L								DNQ Est. Conc. 50 (2)	
PCB-20/28	pg/L								DNQ Est. Conc. 290	
PCB-201	pg/L								DNQ Est. Conc. 10	
PCB-206	pg/L								DNQ Est. Conc. 51	
PCB-37	pg/L								DNQ Est. Conc. 74	
PCB-44/47/65	pg/L								DNQ Est. Conc. 290 (1)	
PCB-49/69	pg/L								DNQ Est. Conc. 120 (1)	
PCB-52	pg/L								350 (1)	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 290 (1)	
PCB-66	pg/L								DNQ Est. Conc. 140	
PCB-77	pg/L								23	
PCB-81	pg/L								ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 290	
PCB-99	pg/L								DNQ Est. Conc. 150	
Pentachlorophenol	ug/L		ND						ND	
pH	SU	7.4	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.3
Phenanthrene	ug/L		ND						ND	

San Jose Creek West Water Reclamation Plant
2019 INF-002 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.05
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.58	40.0 - 200
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.26 - 0.42	40.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.28 - 0.41	40.0
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.59	40.0 - 200
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.11 - 0.69	40.0 - 200
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.10
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.10
Ethylbenzene	ug/L				ND	ND	DNQ Est. Conc. 0.16	EPA 624	2	0.15	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.24 - 0.69	20.0 - 40.0
Fluorene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.35 - 0.58	40.0 - 200
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.02	EPA 608	0.02	0.0009 - 0.001	0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.47	20.0 - 40.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.33 - 0.96	20.0 - 40.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.53 - 2.0	100 - 200
Hexachloroethane	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.81	20.0 - 40.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.53	40.0 - 200
Isophorone	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.11 - 0.28	20.0 - 40.0
Lead	ug/L	1.69	1.90	1.87	0.82	2.0	2.76	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.078	0.16	0.24	EPA 245.1	0.5	0.012 - 0.017	0.04 - 0.050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.32	1.4	2.7	EPA 624	2	0.30	0.50
Naphthalene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.20	20.0 - 40.0
Nickel	ug/L				4.59	5.26	5.92	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.31	20.0 - 40.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	DNQ Est. Conc. 0.015	EPA 625 & EPA 625.1 & 1625B (Modified)	5	0.0005 - 0.50	0.020 - 200
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1 & 1625B (Modified)	5	0.0006 - 0.50	0.020 - 100
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1 & 1625B (Modified)		0.0013 - 0.64	0.10 - 40.0
PCB-101 (Co: 90/101/113)	pg/L				DNQ Est. Conc. 450	ND	DNQ Est. Conc. 450	EPA 1668		6.6	610
PCB-105	pg/L				160	160	160	EPA 1668		6.4	20
PCB-110/115	pg/L				DNQ Est. Conc. 390 (1)	ND	DNQ Est. Conc. 390 (1)	EPA 1668		4.7	400
PCB-114	pg/L				DNQ Est. Conc. 9.2	ND	DNQ Est. Conc. 9.2	EPA 1668		6.3	20
PCB-118	pg/L				370 (1)	370 (1)	370 (1)	EPA 1668		6.3	20
PCB-123	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		6.3	20
PCB-126	pg/L				ND	ND	ND	EPA 1668		6.4	20
PCB-128/166	pg/L				DNQ Est. Conc. 52	ND	DNQ Est. Conc. 52	EPA 1668		2.8	400
PCB-135/151	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		3.3	400
PCB-138 (Co: 129/138/163)	pg/L				DNQ Est. Conc. 410 (1)	ND	DNQ Est. Conc. 410 (1)	EPA 1668		3.0	610
PCB-147/149	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		3.0	400
PCB-153/168	pg/L				DNQ Est. Conc. 340 (1)	ND	DNQ Est. Conc. 340 (1)	EPA 1668		2.5	400
PCB-156	pg/L				30 (1)	30 (1)	30 (1)	EPA 1668			
PCB-157	pg/L				ND	ND	ND	EPA 1668			
PCB-158	pg/L				DNQ Est. Conc. 42	ND	DNQ Est. Conc. 42	EPA 1668		2.5	200
PCB-167	pg/L				21	21	21	EPA 1668		9.2	20
PCB-169	pg/L				ND	ND	ND	EPA 1668		9.9	20
PCB-170	pg/L				DNQ Est. Conc. 99	ND	DNQ Est. Conc. 99	EPA 1668		3.1	200
PCB-177	pg/L				DNQ Est. Conc. 47	ND	DNQ Est. Conc. 47	EPA 1668		2.6	200
PCB-18/30	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		7.7	400
PCB-180/193	pg/L				DNQ Est. Conc. 240 (1)	ND	DNQ Est. Conc. 240 (1)	EPA 1668		2.2	400
PCB-183	pg/L				DNQ Est. Conc. 55	ND	DNQ Est. Conc. 55	EPA 1668		2.1	200
PCB-187	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		1.0	200
PCB-189	pg/L				DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7	EPA 1668		1.8	20
PCB-194	pg/L				DNQ Est. Conc. 50 (2)	ND	DNQ Est. Conc. 50 (2)	EPA 1668		2.7	200
PCB-20/28	pg/L				DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668		16	400
PCB-201	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10	EPA 1668		1.0	200
PCB-206	pg/L				DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51	EPA 1668		1.7	200
PCB-37	pg/L				DNQ Est. Conc. 74	ND	DNQ Est. Conc. 74	EPA 1668		17	200
PCB-44/47/65	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		6.9	610
PCB-49/69	pg/L				DNQ Est. Conc. 120 (1)	ND	DNQ Est. Conc. 120 (1)	EPA 1668		6.5	400
PCB-52	pg/L				350 (1)	350 (1)	350 (1)	EPA 1668		7.1	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 290 (1)	ND	DNQ Est. Conc. 290 (1)	EPA 1668		4.5	810
PCB-66	pg/L				DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		4.6	200
PCB-77	pg/L				23	23	23	EPA 1668		6.4	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		6.4	20
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668		6.0	1200
PCB-99	pg/L				DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		5.5	200
Pentachlorophenol	ug/L				ND	ND	ND	EPA 515.4 & EPA 625 & EPA 625.1	5	0.040 - 0.82	0.20 - 40.0
pH	SU	7.4	7.4	7.3	7.3	7.3	7.4	SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.31 - 0.59	40.0 - 100

San Jose Creek West Water Reclamation Plant
2019 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Phenol	ug/L		26.8						DNQ Est. Conc. 26.7	
Pyrene	ug/L		ND						ND	
Selenium	ug/L	1.18	1.56	1.02	DNQ Est. Conc. 0.99	DNQ Est. Conc. 0.90	DNQ Est. Conc. 0.90	1.03	DNQ Est. Conc. 0.99	DNQ Est. Conc. 0.57
Silver	ug/L		0.36						0.48	
Technical Chlordane	ug/L		ND						ND	
Tetrachloroethene	ug/L		DNQ Est. Conc. 0.26						ND	
Thallium	ug/L		ND						ND	
Toluene	ug/L		0.67						1.4	
Total BOD 20C	mg/L	349	326	312	331	328	311	298	321	287
Total cyanide	ug/L		ND						ND	
Total suspended solids	mg/L	387	363	763	487	420	437	282	348	386
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		188						196	

San Jose Creek West Water Reclamation Plant
2019 INF-002 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Phenol	ug/L				DNQ Est. Conc. 26.7	13.4	26.8	EPA 625 & EPA 625.1	1	0.12 - 0.24	20.0 - 40.0
Pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.28 - 0.60	40.0 - 200
Selenium	ug/L	DNQ Est. Conc. 0.82	DNQ Est. Conc. 0.97	DNQ Est. Conc. 0.94	DNQ Est. Conc. 0.57	0.40	1.56	EPA 200.8	2	0.02	1.00
Silver	ug/L				0.36	0.42	0.48	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.50
Tetrachloroethene	ug/L				ND	ND	DNQ Est. Conc. 0.26	EPA 624	2	0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L				0.67	1.0	1.4	EPA 624	2	0.17	0.50
Total BOD 20C	mg/L	286	272	265	265	307	349	SM 5210B		0.6	75 - 150
Total cyanide	ug/L				ND	ND	ND	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	441	330	301	282	412	763	SM 2540D		2.5	50.0 - 83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.26	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	ug/L				188	192	196	EPA 200.8	1	0.70	1.00

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

San Jose Creek WRP, West, Effluent Monitoring

San Jose Creek West Water Reclamation Plant
2019 EFF-003 and Reuse Monitoring Results

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND	
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1-Dichloroethane	ug/L		ND		ND		ND		ND	
1,1-Dichloroethene	ug/L		ND		ND		ND		ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND						DNQ Est. Conc. 4.8	
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (1)						DNQ Est. Conc. 4.2 (1)	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND						ND	
1,2,3,4,7,8-HexaCDD	pg/L		ND						ND	
1,2,3,4,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 1.6	
1,2,3,6,7,8-HexaCDD	pg/L		ND						ND	
1,2,3,6,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 3.7	
1,2,3,7,8,9-HexaCDD	pg/L		ND						DNQ Est. Conc. 4.2 (1)	
1,2,3,7,8,9-HexaCDF	pg/L		ND						ND (2)	
1,2,3,7,8-PentaCDD	pg/L		ND						ND	
1,2,3,7,8-PentaCDF	pg/L		ND						ND	
1,2,3-Trichloropropane	ug/L								ND	
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND	
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,2-Dichloroethane	ug/L		ND		ND		ND		ND	
1,2-Dichloropropane	ug/L		ND		ND		ND		ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND	
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,4-Dioxane	ug/L								1.1	
2,3,4,6,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 2.5	
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	
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.29		DNQ Est. Conc. 0.28		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	
2,6-Dinitrotoluene	ug/L		ND						ND	
2-Chloroethyl vinyl ether (mixed)	ug/L		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	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND		ND		ND		ND	
4,4'-DDE	ug/L		ND		ND		ND		ND	
4,4'-DDT	ug/L		ND		ND		ND		ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	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		ND		ND	
alpha-BHC	ug/L		ND		ND		ND		ND	
Ammonia as nitrogen	mg/L	1.13	4.62	1.61	1.53	2.98	1.19	1.35	1.17	3.26
Anthracene	ug/L		ND						ND	
Antimony	ug/L		DNQ Est. Conc. 0.49				0.55		0.61	
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		ND	
Aroclor 1248	ug/L		ND		ND				ND	
Aroclor 1254	ug/L		ND		ND		ND		ND	
Aroclor 1260	ug/L		ND		ND				ND	
Arsenic	ug/L		DNQ Est. Conc. 0.90				DNQ Est. Conc. 0.93		DNQ Est. Conc. 0.93	
Barium	ug/L		48.3				39.7		37.1	
Benzene	ug/L		ND		ND		ND		ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	
Benzo(a)pyrene	ug/L		ND	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	

San Jose Creek West Water Reclamation Plant
2019 EFF-003 and Reuse Monitoring Results

Parameter	Units	October *	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.16 - 0.33	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.23	0.50
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.12 - 0.13	0.50
1,1-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.08 - 0.19	0.50
1,1-Dichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.21 - 0.32	0.50
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND	ND	DNQ Est. Conc. 4.8			EPA 1613B	2000000	0.67 - 1.8	51 - 52
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 4.2 (1)			EPA 1613B	2000000	1.6 - 2.8	51 - 52
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	ND			EPA 1613B	1000000	2.0 - 3.5	51 - 52
1,2,3,4,7,8-HexaCDD	pg/L				ND	ND	ND			EPA 1613B	1000000	0.98 - 2.2	51 - 52
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.89 - 1.4	51 - 52
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.89 - 2.3	51 - 52
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 3.7			EPA 1613B		0.80 - 1.5	51 - 52
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 4.2 (1)			EPA 1613B		0.87 - 2.1	51 - 52
1,2,3,7,8,9-HexaCDF	pg/L				ND (2)	ND (2)	ND (2)			EPA 1613B		0.64 - 1.4	51 - 52
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		1.4 - 3.8	51 - 52
1,2,3,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		1.3 - 2.8	51 - 52
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1		0.19 - 0.51	1.0 - 5.0
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1		0.15	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1		0.21 - 0.22	0.50
1,2-Dichloropropane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1		0.14 - 0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.20 - 0.63	1.0
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
1,3-Dichloropropene (Total)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2		
1,4-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.25	0.50
1,4-Dioxane	ug/L				1.1	1.1	1.1			SW-846 8270MOD 1,4-Dioxane		0.19	0.40
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 2.5			EPA 1613B	1000000	0.61 - 1.2	51 - 52
2,3,4,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B	10000000	1.6 - 2.9	51 - 52
2,3,7,8-TCDD	pg/L			ND	ND	ND	ND			EPA 1613B	5000000	0.55 - 2.3	10
2,3,7,8-TetraCDF	pg/L				ND	ND	ND			EPA 1613B	5000000	0.39 - 1.8	10
2,4,6-Trichlorophenol	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.29			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 10.0
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1		0.60 - 0.63	1.0 - 5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1		0.44 - 0.88	1.0 - 2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1		1.5 - 2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1		0.27 - 0.37	1.0 - 5.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 5.0
2-Chloroethyl vinyl ether (mixed)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.19 - 0.28	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.13 - 0.41	1.0 - 10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.92 - 1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.10 - 0.31	1.0 - 10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.54 - 0.81	1.0 - 5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.44 - 0.69	1.0
4,4'-DDD	ug/L	ND		ND	ND	ND	ND			EPA 608	5	0.001 - 0.005	0.01
4,4'-DDE	ug/L	ND		ND	ND	ND	ND			EPA 608	5	0.001 - 0.004	0.01
4,4'-DDT	ug/L	ND		ND	ND	ND	ND			EPA 608	10	0.001 - 0.003	0.01
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	0.05	0.27 - 0.58	1.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	0.05	0.32 - 0.63	1.0 - 5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	0.01	1.3 - 1.6	5.0
Acenaphthene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.50	2.0
Aldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.003	0.005
alpha-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	1.39	1.41	0.915	0.915	1.88	4.62	6.3(3)/7.8(4)	4.0(3)/5.0(4)	SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 10.0
Antimony	ug/L			DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.45	0.29	0.61			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	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 - 0.1	0.3
Aroclor 1242	ug/L	ND		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 - 0.03	0.1
Aroclor 1254	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.08	0.05 - 0.1
Aroclor 1260	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L			DNQ Est. Conc. 0.66	DNQ Est. Conc. 0.66	ND	DNQ Est. Conc. 0.93			EPA 200.8	2	0.06	1.00
Barium	ug/L			39.2	37.1	41.1	48.3			EPA 200.8		0.06 - 0.24	0.50
Benzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.09 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 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 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 5.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *
Beryllium	ug/L		ND				ND		ND	
beta-BHC	ug/L		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	
Boron	mg/L	0.33	0.30	0.28	0.31	0.34	0.32	0.33	0.32	0.32
Bromodichloromethane	ug/L	14.7	4.5	5.7	5.7	12.6	4.0	23.8	4.8	4.8
Bromoform	ug/L	DNQ Est. Conc. 0.36	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.45	ND	ND
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		DNQ Est. Conc. 0.045				DNQ Est. Conc. 0.047		ND	
Carbon tetrachloride	ug/L		ND		ND		ND		ND	
Chloride	mg/L	119	111	123	117	107	116	115	110	111
Chlorobenzene	ug/L		ND		ND		ND		ND	
Chlorodibromomethane	ug/L	3.6	1.0	1.4	1.5	2.5	0.72	6.5	0.89	0.88
Chloroethane	ug/L		ND		ND		ND		ND	
Chloroform	ug/L	27.7	13.4	10.8	12.7	27.0	10.7	45.3	15.7	13.7
Chlorpyrifos	ug/L			ND					ND	
Chromium III	ug/L		1.16				1.12		1.29	
Chromium VI	ug/L		DNQ Est. Conc. 0.04				0.16		0.14	
Chromium, total (24-hour composite)	ug/L		1.06				1.10		0.97	
Chromium, total (grab)	ug/L		1.16				1.28		1.43	
Chrysene	ug/L		ND						ND	
Copper	ug/L		4.58			6.33	4.84		6.22	
delta-BHC	ug/L		ND		ND		ND		ND	
Diazinon	ug/L		ND	ND					ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND		ND		ND		ND	
Diethyl phthalate	ug/L		DNQ Est. Conc. 0.33						1.1	
Dimethyl phthalate	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dissolved oxygen	mg/L	7.1	7.2	6.6	5.7	6.8	5.6	6.5	5.6	3.4
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ug/L		ND						ND	
Endosulfan II	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin	ug/L		ND		ND		ND		ND	
Endrin aldehyde	ug/L		ND						ND	
Ethylbenzene	ug/L		ND		ND		ND		ND	
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND	
Fluorene	ug/L		ND						ND	
Fluoride	mg/L		0.557		0.624		0.670		0.650	
gamma-BHC (Lindane)	ug/L		0.01		ND		ND		DNQ Est. Conc. 0.003	
Gross alpha radioactivity	pCi/L		2.40				ND		ND	
Gross beta radioactivity	pCi/L		12.3				11.7		13.4	
Heptachlor	ug/L		ND		ND		ND		ND	
Heptachlor epoxide	ug/L		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		46				44		46	
Isophorone	ug/L		ND						ND	
Lead	ug/L	0.25	0.33	0.30	0.29	DNQ Est. Conc. 0.22	0.26	0.25	0.27	0.26
Mercury	ug/L				0.00321		0.0018		0.0028	
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND	
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND	
Methyl tert-butyl ether (MTBE)	ug/L		ND				ND		ND	
Methylene chloride	ug/L		ND		ND		ND		ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		2.46				1.57		1.65	
Nitrate + nitrite as nitrogen	mg/L	7.27	4.34	4.74	5.21	7.69	5.87	6.52	6.78	5.04
Nitrate as nitrogen	mg/L	7.26	4.13	4.59	5.06	7.53	5.8	6.37	6.69	4.79
Nitrite as nitrogen	mg/L	ND	0.207	0.146	0.148	0.16	0.078	0.154	0.090	0.256
Nitrobenzene	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L	0.10	0.13	0.12	0.11	0.059	0.073	0.16	0.20	0.11
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
OctaCDD	pg/L		ND (1)(2)						ND (2)	
OctaCDF	pg/L		ND (1)(2)						DNQ Est. Conc. 12	
Oil and grease	mg/L		ND			ND			ND	

Parameter	Units	October *	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Beryllium	ug/L			ND	ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L	ND		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 & EPA 625.1	5	0.11 - 0.28	1.0 - 5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 2.0
Boron	mg/L	0.30	0.30	0.33	0.28	0.32	0.34		1.0	EPA 200.8		0.008 - 0.017	0.020
Bromodichloromethane	ug/L	4.9	3.8	9.1	3.8	8.2	23.8			EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.45			EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 10.0
Cadmium	ug/L			ND	ND	ND	DNQ Est. Conc. 0.047			EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.19	0.50
Chloride	mg/L	114	112	112	107	114	123		180	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.10 - 0.22	0.50
Chlorodibromomethane	ug/L	0.87	0.71	1.9	0.71	1.9	6.5			EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Chloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.31 - 0.43	0.50
Chloroform	ug/L	13.4	9.5	24.9	9.5	19	45.3			EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chlorpyrifos	ug/L				ND	ND	ND			EPA 525.2 & SW-846 8141A		0.003 - 0.0069	0.010 - 0.05
Chromium III	ug/L			0.86	0.86	1.1	1.29			EPA 200.8			0.50
Chromium VI	ug/L			0.12	DNQ Est. Conc. 0.04	0.1	0.16			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chromium, total (24-hour composite)	ug/L			0.91	0.91	1.0	1.1			EPA 200.8		0.10	0.50
Chromium, total (grab)	ug/L			0.98	0.98	1.2	1.43			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
Copper	ug/L		6.59	6.67	4.58	5.87	6.67			EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Diazinon	ug/L				ND	ND	ND			EPA 525.2 & SW-846 8141A	10	0.004 - 0.20	0.010 - 0.50
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.004 - 0.014	0.020
Dieldrin	ug/L	ND		ND	ND	ND	ND			EPA 608		0.0009 - 0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 0.33	0.55	1.1			EPA 625 & EPA 625.1	10	0.26 - 0.42	1.0 - 2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	0.01	0.28 - 0.41	1.0 - 2.0
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.12 - 0.59	1.0 - 10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.11 - 0.69	1.0 - 10.0
Dissolved oxygen	mg/L	4.9	5.6	7.2	3.4	6.0	7.2			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.02	0.001 - 0.003	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		0	1
Fluoranthene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 10.0
Fluoride	mg/L	0.570		0.578	0.557	0.608	0.670			SM 4500 F C		0.004 - 0.049	0.100
gamma-BHC (Lindane)	ug/L	ND		DNQ Est. Conc. 0.003	ND	0.002	0.01			EPA 608	0.02	0.0009 - 0.002	0.01
Gross alpha radioactivity	pCi/L			2.53	ND	1.23	2.53			EPA 900.0		1.49 - 3.65	3.00
Gross beta radioactivity	pCi/L			67.2	11.7	26.2	67.2			EPA 900.0		1.06 - 1.53	4.00
Heptachlor	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.005	0.01
Heptachlor epoxide	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.005	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625 & EPA 625.1		0.0090 - 0.47	0.25 - 1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625 & EPA 625.1	5	0.061 - 2.0	0.25 - 5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND			EPA 610	10	0.004 - 0.013	0.020
Iron	ug/L			55	44	48	55			EPA 200.8		3	20
Isophorone	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0
Lead	ug/L	0.26	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.21	0.21	0.33	166(5)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.0018	0.0018	0.0024	0.00321			EPA 1631E		0.000047 - 0.00008	0.00050
Methyl bromide (Bromomethane)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.48	0.50
Methyl chloride (Chloromethane)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.41 - 0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND	ND			EPA 624 & EPA 624.1		0.08 - 0.14	0.50
Methylene chloride	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.46	0.50
Naphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.13 - 0.20	1.0
Nickel	ug/L			1.15	1.15	1.71	2.46			EPA 200.8		0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	6.37	5.72	7.71	4.34	6.11	7.71		8	SM 4500 NO3 F	0.001	0.030	0.200
Nitrate as nitrogen	mg/L	6.24	5.63	7.42	4.13	5.96	7.53			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.129	0.093	0.285	ND	0.15	0.285		1	SM 4500 NO3 F	0.001	0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.11	0.072	0.11	0.059	0.11	0.20			EPA 1625B (Modified)		0.0005	0.010
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1 & EPA 1625B (Modified)		0.0006 - 0.50	0.010 - 5.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1 & EPA 1625B (Modified)	1	0.0013 - 0.64	0.050 - 1.0
OctaCDD	pg/L				ND (1)(2)	ND (1)(2)	ND (1)(2)			EPA 1613B		0.98 - 2.8	100
OctaCDF	pg/L				ND (1)(2)	ND (1)(2)	DNQ Est. Conc. 12			EPA 1613B		0.75 - 3.9	100
Oil and grease	mg/L		ND		ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.5

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *
Organic nitrogen	mg/L	1.77	2.06	2.36	1.70	ND	1.86	1.28	1.43	1.17
Orthophosphate-P	mg/L	1.71	0.489	0.620	1.37	1.81	0.280	0.470	0.329	0.362
PCB-105	pg/L								DNQ Est. Conc. 3.7 (1)	
PCB-110/115	pg/L								DNQ Est. Conc. 17 (2)	
PCB-114	pg/L								ND	
PCB-118	pg/L								DNQ Est. Conc. 14 (2)	
PCB-123	pg/L								DNQ Est. Conc. 1.2 (1)	
PCB-126	pg/L								ND	
PCB-128/166	pg/L								DNQ Est. Conc. 1.4 (1)	
PCB-129/138/163	pg/L								DNQ Est. Conc. 12 (2)	
PCB-135/151	pg/L								ND	
PCB-147/149	pg/L								DNQ Est. Conc. 9.7 (2)	
PCB-153/168	pg/L								DNQ Est. Conc. 8.8 (2)	
PCB-156/157	pg/L								ND (2)	
PCB-158	pg/L								ND	
PCB-167	pg/L								ND	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 3.4	
PCB-177	pg/L								ND	
PCB-18/30	pg/L								DNQ Est. Conc. 24	
PCB-180/193	pg/L								ND (2)	
PCB-183	pg/L								DNQ Est. Conc. 1.9	
PCB-187	pg/L								DNQ Est. Conc. 3.4	
PCB-189	pg/L								ND	
PCB-194	pg/L								ND	
PCB-20/28	pg/L								DNQ Est. Conc. 26	
PCB-201	pg/L								ND	
PCB-206	pg/L								ND	
PCB-37	pg/L								ND	
PCB-44/47/65	pg/L								DNQ Est. Conc. 42 (2)	
PCB-49/69	pg/L								DNQ Est. Conc. 8.4 (2)	
PCB-52	pg/L								DNQ Est. Conc. 23 (2)	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 23 (2)	
PCB-66	pg/L								DNQ Est. Conc. 7.7	
PCB-77	pg/L								ND	
PCB-81	pg/L								ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 11	
PCB-90/101/113	pg/L								DNQ Est. Conc. 17 (2)	
PCB-99	pg/L								DNQ Est. Conc. 5.0	
Pentachlorophenol	ug/L		ND		ND		ND		ND	
Perchlorate	ug/L	0.27	0.3	0.42	0.49	0.67	0.2	0.57	0.52	0.5
pH (Reuse)	SU	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Phenanthrene	ug/L		ND		ND		ND		ND	
Phenol	ug/L		DNQ Est. Conc. 0.47		DNQ Est. Conc. 0.40		DNQ Est. Conc. 0.19		ND	
Pyrene	ug/L		ND						ND	
Radium-226 + radium-228	pCi/L									
Selenium	ug/L	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.22
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				ND		ND	
Strontium-90	pCi/L		ND				ND		ND	
Sulfate	mg/L	98.8	83.3	84.0	79.6	67.3	67.0	71.5	69.6	66.6
Surfactant (CTAS)	mg/L		ND			ND			ND	
Surfactant (MBAS)	mg/L		ND		ND	0.050	0.056		0.056	
Technical Chlordane	ug/L		ND				ND		ND	
Tetrachloroethene	ug/L		ND		ND		ND		ND	
Thallium	ug/L		ND				ND		ND	
Toluene	ug/L		0.73		12.4		2.1		DNQ Est. Conc. 0.20	
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons (TICH)	ug/L		0.01			ND			ND	
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		DNQ Est. Conc. 1.29			ND			ND	
Total detectable PCB's (Sum of Aroclors)	ug/L		ND		ND		ND		ND	
Total detectable PCB's (Sum of Congeners)	pg/L								ND	
Total dissolved solids	mg/L	588	502	582	544	538	536	522	514	518
Total hardness (CaCO3)	mg/L	194	207	192	193	189	182	184	186	178
Total Kjeldahl Nitrogen (TKN)	mg/L	2.90	6.68	3.98	3.22	3.00	3.05	2.62	2.60	4.42
Total nitrogen	mg/L	10.2	11.0	8.72	8.44	11.2	8.92	9.14	9.38	9.47
Total phosphorus	mg/L	1.76	0.538	0.656	1.44	1.85	0.323	0.567	0.398	0.427
Total suspended solids	mg/L	ND	2.1	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	46.0	18.9	17.9	19.9	42.1	15.4	75.6	21.4	19.4
Toxaphene	ug/L		ND		ND		ND		ND	
Toxic equivalence	pg/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND		ND		ND		ND	
Trichloroethene	ug/L		ND		ND		ND		ND	

San Jose Creek West Water Reclamation Plant
2019 EFF-003 and Reuse Monitoring Results

Parameter	Units	October *	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Organic nitrogen	mg/L	0.946	1.04	2.31	ND	1.49	2.36			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.170	0.200
Orthophosphate-P	mg/L	0.881	0.522	1.11	0.280	0.829	1.81			EPA 365.1		0.006 - 0.008	0.030
PCB-105	pg/L				DNQ Est. Conc. 3.7 (1)	ND	DNQ Est. Conc. 3.7 (1)			EPA 1668		0.71	20
PCB-110/115	pg/L				DNQ Est. Conc. 17 (2)	ND	DNQ Est. Conc. 17 (2)			EPA 1668		0.52	410
PCB-114	pg/L				ND	ND	ND			EPA 1668		0.70	20
PCB-118	pg/L				DNQ Est. Conc. 14 (2)	ND	DNQ Est. Conc. 14 (2)			EPA 1668		0.66	20
PCB-123	pg/L				DNQ Est. Conc. 1.2 (1)	ND	DNQ Est. Conc. 1.2 (1)			EPA 1668		0.66	20
PCB-126	pg/L				ND	ND	ND			EPA 1668		0.89	20
PCB-128/166	pg/L				DNQ Est. Conc. 1.4 (1)	ND	DNQ Est. Conc. 1.4 (1)			EPA 1668		0.62	410
PCB-129/138/163	pg/L				DNQ Est. Conc. 12 (2)	ND	DNQ Est. Conc. 12 (2)			EPA 1668		0.67	610
PCB-135/151	pg/L				ND	ND	ND			EPA 1668		0.74	410
PCB-147/149	pg/L				DNQ Est. Conc. 9.7 (2)	ND	DNQ Est. Conc. 9.7 (2)			EPA 1668		0.67	410
PCB-153/168	pg/L				DNQ Est. Conc. 8.8 (2)	ND	DNQ Est. Conc. 8.8 (2)			EPA 1668		0.57	410
PCB-156/157	pg/L				ND (2)	ND (2)	ND (2)			EPA 1668		0.84	41
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.56	200
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.64	20
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.82	20
PCB-170	pg/L				DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668		1.1	200
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.88	200
PCB-18/30	pg/L				DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24			EPA 1668		5.3	410
PCB-180/193	pg/L				ND (2)	ND (2)	ND (2)			EPA 1668		0.77	410
PCB-183	pg/L				DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 1.9			EPA 1668		0.73	200
PCB-187	pg/L				DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668		0.59	200
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.73	20
PCB-194	pg/L				ND	ND	ND			EPA 1668		0.85	200
PCB-20/28	pg/L				DNQ Est. Conc. 26	ND	DNQ Est. Conc. 26			EPA 1668		5.9	410
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.59	200
PCB-206	pg/L				ND	ND	ND			EPA 1668		0.88	200
PCB-37	pg/L				ND	ND	ND			EPA 1668		6.6	200
PCB-44/47/65	pg/L				DNQ Est. Conc. 42 (2)	ND	DNQ Est. Conc. 42 (2)			EPA 1668		1.7	610
PCB-49/69	pg/L				DNQ Est. Conc. 8.4 (2)	ND	DNQ Est. Conc. 8.4 (2)			EPA 1668		1.6	410
PCB-52	pg/L				DNQ Est. Conc. 23 (2)	ND	DNQ Est. Conc. 23 (2)			EPA 1668		1.8	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 23 (2)	ND	DNQ Est. Conc. 23 (2)			EPA 1668		0.99	820
PCB-66	pg/L				DNQ Est. Conc. 7.7	ND	DNQ Est. Conc. 7.7			EPA 1668		1.0	200
PCB-77	pg/L				ND	ND	ND			EPA 1668		1.3	20
PCB-81	pg/L				ND	ND	ND			EPA 1668		1.4	20
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668		0.66	1200
PCB-90/101/113	pg/L				DNQ Est. Conc. 17 (2)	ND	DNQ Est. Conc. 17 (2)			EPA 1668		0.72	610
PCB-99	pg/L				DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0			EPA 1668		0.60	200
Pentachlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 515.4 & EPA 625 & EPA 625.1	5	0.040 - 0.82	0.20 - 1.0
Perchlorate	ug/L	0.53	0.3	0.34	0.2	0.4	0.67			EPA 331.0		0.0201	0.05
pH (Reuse)	SU	7.4	7.3	7.3	7.2	7.3	7.4			SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 5.0
Phenol	ug/L	ND		DNQ Est. Conc. 0.29	ND	ND	DNQ Est. Conc. 0.47			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0
Pyrene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 10.0
Radium-226 + radium-228	pCi/L			ND	ND	ND	ND		5	Drinking H2O Radium Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.16	ND	DNQ Est. Conc. 0.47			EPA 200.8	2	0.02	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	0.02	0.20
Strontium-90	pCi/L			ND	ND	ND	ND		8	EPA 905.0		0.310 - 0.368	3.00
Sulfate	mg/L	66.7	63.2	65.1	63.2	73.6	98.8		300	EPA 300.0		0.050 - 0.110	2.50
Surfactant (CTAS)	mg/L		ND		ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	0.053	ND	ND	ND	0.027	0.056		0.5	SM 5540C		0.019 - 0.03	0.050 - 0.10
Technical Chlordane	ug/L			ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.04	0.05
Tetrachloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.25	0.50
Thallium	ug/L			ND	ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L	ND		DNQ Est. Conc. 0.20	ND	2.5	12.4			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Total chlorinated hydrocarbons (TICH)	ug/L		ND		ND	0.003	0.01			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(6)	(6)	SM 9222B		1	1
Total cyanide	ug/L		ND		ND	ND	DNQ Est. Conc. 1.29			SM 4500 CN E	5	1.00	5.00
Total detectable PCB's (Sum of Aroclors)	ug/L	ND		ND	ND	ND	ND			EPA 608			
Total detectable PCB's (Sum of Congeners)	pg/L				ND	ND	ND			EPA 1668			
Total dissolved solids	mg/L	508	536	506	502	533	588		750	SM 2540C		2.7	45.5 - 62.5
Total hardness (CaCO3)	mg/L	172	173	196	172	187	207			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.34	2.45	3.22	2.34	3.37	6.68			EPA 351.2		0.130 - 0.170	0.500
Total nitrogen	mg/L	8.71	8.17	10.9	8.17	9.52	11.2			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.929	0.594	1.17	0.323	0.888	1.85			EPA 365.1		0.009 - 0.026	0.030
Total suspended solids	mg/L	ND	ND	ND	ND	0.18	2.1	45	15	EPA 160.2 & SM 2540D		2.5	2.5 - 3.9
Total trihalomethanes	ug/L	19.2	14.0	35.9	14.0	28.8	75.6		80	EPA 624 & EPA 624.1			
Toxaphene	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.05 - 0.3	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.06 - 0.26	0.50
Trichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.26	0.50

San Jose Creek West Water Reclamation Plant
2019 EFF-003 and Reuse Monitoring Results

Parameter	Units	January *	February *	March *	April *	May *	June *	July *	August *	September *
Tritium	pCi/L		ND				ND		ND	
Turbidity (flow proportioned avg daily value)	NTU	0.83	1.2	1.0	1.1	0.99	0.61	0.48	0.46	0.4
Uranium	pCi/L		1.92				0.868		ND	
Vinyl chloride	ug/L		ND		ND		ND		ND	
Zinc	ug/L		65.8				61.8		61.1	

San Jose Creek West Water Reclamation Plant
2019 EFF-003 and Reuse Monitoring Results

Parameter	Units	October *	November *	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Tritium	pCi/L			ND	ND	ND	ND		20000	EPA 906.0		283 - 334	500
Turbidity (flow proportioned avg daily value)	NTU	0.46	0.55	0.68	0.40	0.73	1.2	2		SM 2130B		0.12	0.12 - 0.50
Uranium	pCi/L			0.921	ND	0.927	1.92		20	EPA 908.0		0.0734 - 0.235	1.00
Vinyl chloride	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.25 - 0.42	0.50
Zinc	ug/L			61.2	61.1	62.5	65.8			EPA 200.8	1	0.70	1.00

*No discharge at EFF-003 during this month.
(1) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(2) Blank contamination observed.
(3) Effluent ammonia limit effective from April 1 to September 30
(4) Effluent ammonia limit effective from October 1 to March 31
(5) Wet weather limit
(6) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

Saugus WRP Influent Monitoring

Saugus Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND			ND			ND			ND
1,2,4-Trichlorobenzene	ug/L	ND			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			ND
2-Chlorophenol	ug/L	ND			ND			ND			ND
2-Methyl-4,6-dinitrophenol	ug/L	ND			ND			ND			ND
2-Nitrophenol	ug/L	ND			ND			ND			ND
2,3,7,8-TCDD	pg/L	DNQ Est. Conc. 2.9 (1)						ND			
2,4-Dichlorophenol	ug/L	ND			ND			ND			ND
2,4-Dimethylphenol	ug/L	ND			ND			ND			ND
2,4-Dinitrophenol	ug/L	ND			ND			ND			ND
2,4-Dinitrotoluene	ug/L	ND			ND			ND			ND
2,4,6-Trichlorophenol	ug/L	ND			ND			ND			ND
2,6-Dinitrotoluene	ug/L	ND			ND			ND			ND
3-Methyl-4-chlorophenol	ug/L	ND			ND			ND			ND
3,3'-Dichlorobenzidine	ug/L	ND			ND			ND			ND
4-Bromophenyl phenyl ether	ug/L	ND			ND			ND			ND
4-Chlorophenyl phenyl ether	ug/L	ND			ND			ND			ND
4-Nitrophenol	ug/L	ND			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			ND
Acenaphthylene	ug/L	ND			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			ND
Antimony	ug/L	0.67			1.85			0.90			1.77
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	1.32			1.04			1.31			1.16
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND			ND			ND			ND
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ug/L	ND			ND			ND			ND
Benzo(b)fluoranthene	ug/L	ND			ND			ND			ND
Benzo(g,h,i)perylene	ug/L	ND			ND			ND			ND

Saugus Water Reclamation Plant
2019 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	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.63	20.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.19 - 0.51	20.0 - 100
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.41	20.0 - 200
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.18 - 0.41	20.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.92 - 1.3	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.10 - 0.31	20.0 - 200
2,3,7,8-TCDD	pg/L			ND	ND	DNQ Est. Conc. 2.9 (1)	EPA 1613B		0.65 - 0.81	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.60 - 0.63	20.0 - 100
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.44 - 0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	1.5 - 2.8	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.37	20.0 - 100
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.21 - 0.64	20.0 - 200
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.28 - 0.50	20.0 - 100
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.44 - 0.69	20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.54 - 0.81	20.0 - 100
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.58	20.0 - 100
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.32 - 0.63	20.0 - 100
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	1.3 - 1.6	100
4,4-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.10
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.10
Acenaphthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.22 - 0.50	20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.50	20.0 - 200
Acrolein	ug/L			ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.50	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009	0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.0005 - 0.002	0.10
Anthracene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.56	20.0 - 200
Antimony	ug/L			0.67	1.3	1.85	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09 - 0.1	3.0
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	1.0
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.5
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.02	1.0
Arsenic	ug/L			1.04	1.21	1.32	EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.77 - 1.8	100
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	EPA 625 & EPA 625.1	5	0.14 - 0.46	20.0 - 400
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.54	20.0 - 200
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.22 - 0.61	20.0 - 200
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.12 - 0.52	20.0 - 100

Saugus Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Benzo(k)fluoranthene	ug/L	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			ND			ND
bis(2-Chloroethyl) ether	ug/L	ND			ND			ND			ND
bis(2-Chloroisopropyl) ether	ug/L	ND			ND			ND			ND
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 9.9			ND			ND			DNQ Est. Conc. 13.3
BOD	mg/L	248	254	281	320	351	340	303	327	374	337
Bromodichloromethane	ug/L	4.2	2.4	1.3	0.69	0.67	1.1	DNQ Est. Conc. 0.45	0.96	0.82	1.2
Bromoform	ug/L	1.5	1.4	1.4	1.4	1.1	1.8	1.2	1.9	0.96	1.6
Butyl benzyl phthalate	ug/L	ND			ND			ND			ND
Cadmium	ug/L	0.22			0.37			0.33			DNQ Est. Conc. 0.15
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	101	119	101	101	97.9	104	104	113	106	104
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	3.4	1.9	2.0	1.4	1.2	2.2	1.0	1.5	1.3	1.9
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	5.8	3.5	1.8	1.4	1.5	1.8	1.2	1.7	1.9	1.8
Chromium III	ug/L	4.26						3.71			
Chromium VI	ug/L	0.08						0.35			
Chromium, total	ug/L	4.34						4.06			
Chrysene	ug/L	ND			ND			ND			ND
Copper	ug/L	85.8	147	92.3	75.2	111	142	117	146	216	123
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND			ND			ND			ND
Di-n-octyl phthalate	ug/L	ND			ND			ND			ND
Dibenzo(a,h)anthracene	ug/L	ND			ND			ND			ND
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND			ND			ND			ND
Dimethyl phthalate	ug/L	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			
Fluoranthene	ug/L	ND			ND			ND			ND
Fluorene	ug/L	ND			ND			ND			ND
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.05						DNQ Est. Conc. 0.02			
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND			ND			ND			ND
Hexachlorobutadiene	ug/L	ND			ND			ND			ND
Hexachlorocyclopentadiene	ug/L	ND			ND			ND			ND
Hexachloroethane	ug/L	ND			ND			ND			ND
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND			ND			ND
Isophorone	ug/L	ND			ND			ND			ND
Lead	ug/L	1.49	1.26	1.08	0.61	1.14	2.09	1.39	2.05	3.42	1.21
Mercury	ug/L	0.067	0.19	DNQ Est. Conc. 0.032	0.084	0.072	0.18	0.082	ND	0.11	0.081
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
n-Nitrosodi-n-propylamine	ug/L	ND			ND			ND			ND
n-Nitrosodimethylamine (NDMA)	ug/L	ND			ND			ND			ND

Saugus Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.53	20.0 - 200
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.002 - 0.004	0.05
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.11 - 0.28	20.0 - 100
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.27	20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.20 - 0.25	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	DNQ Est. Conc. 13.3	EPA 625 & EPA 625.1	5	0.16 - 0.55	20.0 - 40.0
BOD	mg/L	317	320	248	314	374	SM 5210B		0.6	67 - 150
Bromodichloromethane	ug/L	1.0	1.7	DNQ Est. Conc. 0.45	1.3	4.2	EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L	1.5	1.1	0.96	1.4	1.9	EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.58	20.0 - 200
Cadmium	ug/L			DNQ Est. Conc. 0.15	0.23	0.37	EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.19	0.50
Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.50
Chloride	mg/L	98.3	95.7	95.7	104	119	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L	1.8	1.6	1.0	1.8	3.4	EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.43	0.50
Chloroform	ug/L	2.1	2.7	1.2	2.3	5.8	EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chromium III	ug/L			3.71	3.98	4.26	EPA 200.8			
Chromium VI	ug/L			0.08	0.2	0.35	EPA 218.6 (Dissolved)		0.02	0.05
Chromium, total	ug/L			4.06	4.20	4.34	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.16 - 0.41	20.0 - 200
Copper	ug/L	91.3	78.6	75.2	119	216	EPA 200.8	0.5	0.05	0.50 - 2.50
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.05
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.59	20.0 - 200
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.11 - 0.69	20.0 - 200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.58	20.0 - 200
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.26 - 0.42	20.0 - 40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.28 - 0.41	20.0 - 40.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.10
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.10
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.24 - 0.69	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.35 - 0.58	20.0 - 200
gamma-BHC (Lindane)	ug/L			DNQ Est. Conc. 0.02	ND	DNQ Est. Conc. 0.05	EPA 608	0.02	0.0009 - 0.001	0.10
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.47	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.33 - 0.96	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.53 - 2.0	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.53	20.0 - 200
Isophorone	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.11 - 0.28	20.0
Lead	ug/L	0.84	1.13	0.61	1.5	3.42	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	ND	DNQ Est. Conc. 0.039	ND	0.072	0.19	EPA 245.1	0.5	0.012 - 0.017	0.040 - 0.050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.42	0.50
Methylene chloride	ug/L			ND	ND	ND	EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.36 - 0.50	20.0 - 100
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.34 - 0.50	100

Table 4.3
Saugus Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
n-Nitrosodiphenylamine	ug/L	ND			ND			ND			ND
Naphthalene	ug/L	ND			ND			ND			ND
Nickel	ug/L	2.74	3.09	3.15	2.46	3.81	5.72	4.18	4.30	6.58	3.80
Nitrobenzene	ug/L	ND			ND			ND			ND
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 170			
PCB-105	pg/L							55			
PCB-114	pg/L							ND			
PCB-118	pg/L							140			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 170 (2)			
PCB-158	pg/L							DNQ Est. Conc. 16			
PCB-167	pg/L							DNQ Est. Conc. 8.5			
PCB-169	pg/L							ND			
PCB-170	pg/L							DNQ Est. Conc. 39			
PCB-177	pg/L							DNQ Est. Conc. 20			
PCB-183	pg/L							DNQ Est. Conc. 30			
PCB-187	pg/L							DNQ Est. Conc. 59			
PCB-189	pg/L							ND			
PCB-194	pg/L							DNQ Est. Conc. 12			
PCB-201	pg/L							DNQ Est. Conc. 4.5			
PCB-206	pg/L							DNQ Est. Conc. 10			
PCB-37	pg/L							DNQ Est. Conc. 34			
PCB-44	pg/L							123			
PCB-52	pg/L							DNQ Est. Conc. 160 (2)			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 160 (2)			
PCB-66	pg/L							DNQ Est. Conc. 75			
PCB-77	pg/L							DNQ Est. Conc. 7.8			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 100 (2)			
PCB-99	pg/L							DNQ Est. Conc. 72			
PCB110/115	pg/L							DNQ Est. Conc. 130 (2)			
PCB128/166	pg/L							DNQ Est. Conc. 17			
PCB135/151	pg/L							DNQ Est. Conc. 46			
PCB147/149	pg/L							DNQ Est. Conc. 100 (2)			
PCB153/168	pg/L							DNQ Est. Conc. 150 (2)			
PCB156/157	pg/L							DNQ Est. Conc. 23 (2)			
PCB18/30	pg/L							DNQ Est. Conc. 98			
PCB180/193	pg/L							DNQ Est. Conc. 100			
PCB20/28	pg/L							DNQ Est. Conc. 140			
PCB49/69	pg/L							DNQ Est. Conc. 63			
PCBs as arochlors	pg/L	ND						ND			
PCBs as congeners	pg/L							318			
Pentachlorophenol	ug/L	ND			ND			ND			ND
Phenanthrene	ug/L	ND			ND			ND			ND
Phenol	ug/L	DNQ Est. Conc. 12.1			DNQ Est. Conc. 11.8			65.6			31.6
pH	SU	8.3	8.3	8.0	8.3	8.4	8.1	8.1	8.1	8.4	8.3
Pyrene	ug/L	ND			ND			ND			ND
Selenium	ug/L	1.16			DNQ Est. Conc. 0.63			DNQ Est. Conc. 0.89			DNQ Est. Conc. 0.90
Silver	ug/L	DNQ Est. Conc. 0.12			DNQ Est. Conc. 0.12			DNQ Est. Conc. 0.14			0.27
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND			ND			DNQ Est. Conc. 0.018			ND
Toluene	ug/L	4.2						0.88			
Total cyanide	ug/L	DNQ Est. Conc. 1.1	DNQ Est. Conc. 2.7	DNQ Est. Conc. 1.3	DNQ Est. Conc. 1.8	ND	DNQ Est. Conc. 2.5	ND	DNQ Est. Conc. 2.5	ND	ND
Total suspended solids	mg/L	245	235	268	358	293	366	376	440	610	533

Saugus Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.28 - 0.64	20.0
Naphthalene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.20	20.0
Nickel	ug/L	2.88	3.15	2.46	3.82	6.58	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.31	20.0
PCB-101 (Co: 90/101/113)	pg/L			DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668C		3.5	760
PCB-105	pg/L			55	55	55	EPA 1668C		4.0	25
PCB-114	pg/L			ND	ND	ND	EPA 1668C		3.8	25
PCB-118	pg/L			140	140	140	EPA 1668C		3.6	25
PCB-123	pg/L			ND	ND	ND	EPA 1668C		4.0	25
PCB-126	pg/L			ND	ND	ND	EPA 1668C		4.1	25
PCB-138 (Co: 129/138/163)	pg/L			DNQ Est. Conc. 170 (2)	ND	DNQ Est. Conc. 170 (2)	EPA 1668C		1.9	760
PCB-158	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668C		1.4	250
PCB-167	pg/L			DNQ Est. Conc. 8.5	ND	DNQ Est. Conc. 8.5	EPA 1668C		3.3	25
PCB-169	pg/L			ND	ND	ND	EPA 1668C		3.9	25
PCB-170	pg/L			DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668C		1.7	250
PCB-177	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20	EPA 1668C		1.4	250
PCB-183	pg/L			DNQ Est. Conc. 30	ND	DNQ Est. Conc. 30	EPA 1668C		1.4	250
PCB-187	pg/L			DNQ Est. Conc. 59	ND	DNQ Est. Conc. 59	EPA 1668C		1.1	250
PCB-189	pg/L			ND	ND	ND	EPA 1668C		1.2	25
PCB-194	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668C		0.79	250
PCB-201	pg/L			DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 4.5	EPA 1668C		0.49	250
PCB-206	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10	EPA 1668C		0.71	250
PCB-37	pg/L			DNQ Est. Conc. 34	ND	DNQ Est. Conc. 34	EPA 1668C		14	250
PCB-44	pg/L			123	123	123	EPA 1668C		3.08	5.16
PCB-52	pg/L			DNQ Est. Conc. 160 (2)	ND	DNQ Est. Conc. 160 (2)	EPA 1668C		9.9	250
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 160 (2)	ND	DNQ Est. Conc. 160 (2)	EPA 1668C		2.7	1000
PCB-66	pg/L			DNQ Est. Conc. 75	ND	DNQ Est. Conc. 75	EPA 1668C		2.8	250
PCB-77	pg/L			DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8	EPA 1668C		4.3	25
PCB-81	pg/L			ND	ND	ND	EPA 1668C		4.4	25
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 100 (2)	ND	DNQ Est. Conc. 100 (2)	EPA 1668C		3.3	1500
PCB-99	pg/L			DNQ Est. Conc. 72	ND	DNQ Est. Conc. 72	EPA 1668C		3.0	250
PCB110/115	pg/L			DNQ Est. Conc. 130 (2)	ND	DNQ Est. Conc. 130 (2)	EPA 1668C		2.7	510
PCB128/166	pg/L			DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668C		1.7	510
PCB135/151	pg/L			DNQ Est. Conc. 46	ND	DNQ Est. Conc. 46	EPA 1668C		1.9	510
PCB147/149	pg/L			DNQ Est. Conc. 100 (2)	ND	DNQ Est. Conc. 100 (2)	EPA 1668C		1.7	510
PCB153/168	pg/L			DNQ Est. Conc. 150 (2)	ND	DNQ Est. Conc. 150 (2)	EPA 1668C		1.5	510
PCB156/157	pg/L			DNQ Est. Conc. 23 (2)	ND	DNQ Est. Conc. 23 (2)	EPA 1668C		4.4	51
PCB18/30	pg/L			DNQ Est. Conc. 98	ND	DNQ Est. Conc. 98	EPA 1668C		4.3	510
PCB180/193	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668C		1.2	510
PCB20/28	pg/L			DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668C		11	510
PCB49/69	pg/L			DNQ Est. Conc. 63	ND	DNQ Est. Conc. 63	EPA 1668C		9.1	510
PCBs as arochlors	pg/L			ND	ND	ND	EPA 608			
PCBs as congeners	pg/L			318	318	318	EPA 1668C			
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.62 - 0.82	20.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.31 - 0.59	20.0 - 100
Phenol	ug/L			DNQ Est. Conc. 11.8	24.3	65.6	EPA 625 & EPA 625.1	1	0.12 - 0.24	20.0
pH	SU	8.3	8.2	8.0	8.2	8.4	SM 4500 H+ B		1.00	1.00
Pyrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.28 - 0.60	20.0 - 200
Selenium	ug/L			DNQ Est. Conc. 0.63	0.29	1.16	EPA 200.8	2	0.02	1.00
Silver	ug/L			DNQ Est. Conc. 0.12	0.068	0.27	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L			ND	ND	ND	EPA 624	2	0.25	0.50
Thallium	ug/L			ND	ND	DNQ Est. Conc. 0.018	EPA 200.8	1	0.010	0.25
Toluene	ug/L			0.88	2.5	4.2	EPA 624	2	0.17	0.50
Total cyanide	ug/L	ND	DNQ Est. Conc. 1.8	ND	ND	DNQ Est. Conc. 2.7	SM 4500 CN E	5	1.0	5.0
Total suspended solids	mg/L	646	792	235	430	792	SM 2540D		2.5	50.0 - 100

Saugus Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Total trihalomethanes	ug/L	14.9	9.2	6.5	4.9	4.5	6.9	3.4	6.1	5.0	6.5
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	133	165	144	110	183	300	198	236	428	166

Saugus Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Total trihalomethanes	ug/L	6.4	7.1	3.4	6.8	14.9	EPA 624 & EPA 624.1			
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.05 - 0.08	5.0
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.26	0.50
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.26	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	ug/L	134	139	110	195	428	EPA 200.8	1	0.70	1.00 - 20.0

(1) Possible interference observed. The measured ion ratio did not meet quantitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(2) Blank Contamination observed.

Saugus WRP Effluent Monitoring

Saugus Water Reclamation Plant
2019 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. 5.5 (1)						DNQ Est. Conc. 15 (1)			
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 6.0 (1)						DNQ Est. Conc. 14 (1)			
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)						DNQ Est. Conc. 14 (1)			
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 2.9 (2)						DNQ Est. Conc. 13			
1,2,3,4,7,8,9-HeptaCDF	pg/L	DNQ Est. Conc. 5.3						DNQ Est. Conc. 12			
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 4.8 (1)						DNQ Est. Conc. 12 (1)			
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 3.9 (2)						DNQ Est. Conc. 13			
1,2,3,7,8-PentaCDD	pg/L	DNQ Est. Conc. 2.2 (2)						DNQ Est. Conc. 11			
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 2.5 (2)						DNQ Est. Conc. 11 (1)			
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 4.3 (1)(2)						DNQ Est. Conc. 13 (1)			
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 3.6 (2)						DNQ Est. Conc. 12 (1)			
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
1,4-Dioxane	ug/L	1.2						1.0			
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. 4.2						DNQ Est. Conc. 13 (1)			
2,3,4,7,8-PentaCDF	pg/L	ND						DNQ Est. Conc. 11 (1)			
2,3,7,8-TCDD	pg/L	DNQ Est. Conc. 1.3 (2)						DNQ Est. Conc. 2.0 (2)			
2,3,7,8-TetraCDF	pg/L	ND						DNQ Est. Conc. 1.9			
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-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	0.741	0.825	0.756	0.808	0.868	0.791	0.726	0.944	0.914	0.847
Anthracene	ug/L	ND						ND			
Antimony	ug/L	DNQ Est. Conc. 0.48			0.62			0.72			0.69
Aroclor 1016	ug/L	ND						ND			

Saugus Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			DNQ Est. Conc. 5.5 (1)	ND	DNQ Est. Conc. 15 (1)			EPA 1613B		0.33 - 0.59	51 - 55
1,2,3,4,6,7,8-HeptaCDF	pg/L			DNQ Est. Conc. 6.0 (1)	ND	DNQ Est. Conc. 14 (1)			EPA 1613B		0.49 - 0.65	51 - 55
1,2,3,4,7,8-HexaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 14 (1)			EPA 1613B		0.44 - 0.64	51 - 55
1,2,3,4,7,8-HexaCDF	pg/L			DNQ Est. Conc. 2.9 (2)	ND	DNQ Est. Conc. 13			EPA 1613B		0.60 - 0.70	51 - 55
1,2,3,4,7,8,9-HeptaCDF	pg/L			DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 12			EPA 1613B		0.61 - 0.87	51 - 55
1,2,3,6,7,8-HexaCDD	pg/L			DNQ Est. Conc. 4.8 (1)	ND	DNQ Est. Conc. 12 (1)			EPA 1613B		0.43 - 0.61	51 - 55
1,2,3,6,7,8-HexaCDF	pg/L			DNQ Est. Conc. 3.9 (2)	ND	DNQ Est. Conc. 13			EPA 1613B		0.54 - 0.71	51 - 55
1,2,3,7,8-PentaCDD	pg/L			DNQ Est. Conc. 2.2 (2)	ND	DNQ Est. Conc. 11			EPA 1613B		0.46 - 0.91	51 - 55
1,2,3,7,8-PentaCDF	pg/L			DNQ Est. Conc. 2.5 (2)	ND	DNQ Est. Conc. 11 (1)			EPA 1613B		0.46 - 0.80	51 - 55
1,2,3,7,8,9-HexaCDD	pg/L			DNQ Est. Conc. 4.3 (1)(2)	ND	DNQ Est. Conc. 13 (1)			EPA 1613B		0.39 - 0.57	51 - 55
1,2,3,7,8,9-HexaCDF	pg/L			DNQ Est. Conc. 3.6 (2)	ND	DNQ Est. Conc. 12 (1)			EPA 1613B		0.39 - 0.59	51 - 55
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	1.0 - 5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
1,4-Dioxane	ug/L			1.0	1.1	1.2			8270SIM		0.19	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	1.0 - 10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 10.0
2,3,4,6,7,8-HexaCDF	pg/L			DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 13 (1)			EPA 1613B		0.38 - 0.59	51 - 55
2,3,4,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 11 (1)			EPA 1613B		0.44 - 0.67	51 - 55
2,3,7,8-TCDD	pg/L			DNQ Est. Conc. 1.3 (2)	ND	DNQ Est. Conc. 2.0 (2)			EPA 1613B		0.43 - 0.58	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 1.9			EPA 1613B		0.26 - 0.53	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	1.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	1.0 - 5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0
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	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		0.70	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.50	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	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.968	1.01	0.726	0.850	1.01	5.6	2.0	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 10.0
Antimony	ug/L			DNQ Est. Conc. 0.48	0.51	0.72			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1

Saugus Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	DNQ Est. Conc. 0.83			DNQ Est. Conc. 0.60			DNQ Est. Conc. 0.65			DNQ Est. Conc. 0.50
Barium	ug/L	33.0			27.2			30.6			31.2
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ug/L	ND			ND			ND			ND
Benzo(b)fluoranthene	ug/L	ND			ND			ND			ND
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND			ND			ND			ND
Beryllium	ug/L	ND						ND			
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	ND						ND			
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.46	0.60	0.44	0.37	0.44	0.48	0.44	0.44	0.45	0.44
Bromodichloromethane	ug/L	16.7	14.9	10.6	15.4	10.2	17.7	16.2	15.7	15.4	16.5
Bromoform	ug/L	0.88	1.2	0.69	0.91	0.65	0.96	1.5	1.6	0.90	0.99
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	DNQ Est. Conc. 0.051			DNQ Est. Conc. 0.053			ND			ND
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	113	121	112	110	111	116	119	116	116	118
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	7.2	7.7	4.4	7.5	5.7	7.7	8.2	7.7	6.5	7.0
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	20.6	16.4	14.4	18.3	10.0	21.4	19.6	15.1	15.8	18.5
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	ND						0.63			
Chromium VI	ug/L	0.05						DNQ Est. Conc. 0.03			
Chromium, total	ug/L	DNQ Est. Conc. 0.38						0.63			
Chrysene	ug/L	ND			ND			ND			ND
Copper	ug/L	4.34	4.28	4.25	3.92	5.57	6.24	5.81	4.78	5.40	4.65
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Diazinon	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND			ND			ND			ND
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	DNQ Est. Conc. 0.32						DNQ Est. Conc. 0.51			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	8.5	8.6	8.6	8.5	8.1	8.1	8.0	7.7	7.5	8.0
E. coli	MPN/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	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			

Saugus Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L			DNQ Est. Conc. 0.50	ND	DNQ Est. Conc. 0.83			EPA 200.8	2	0.06	1.00
Barium	ug/L			27.2	30.5	33.0			EPA 200.8		0.06 - 0.24	0.50
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610		0.005 - 0.014	0.020
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007 - 0.013	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.11 - 0.28	1.0 - 5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.46	0.43	0.37	0.45	0.60		1.5	EPA 200.8		0.008 - 0.017	0.020
Bromodichloromethane	ug/L	17.9	10.6	10.2	14.8	17.9			EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L	0.99	0.54	0.54	0.98	1.6			EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 10.0
Cadmium	ug/L			ND	ND	DNQ Est. Conc. 0.053			EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	116	105	105	114	121	230	(3)	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.22	0.50
Chlorodibromomethane	ug/L	7.2	4.2	4.2	6.8	8.2			EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.43	0.50
Chloroform	ug/L	21.2	13.8	10.0	17.1	21.4			EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW8141		0.003 - 0.0060	0.05 - 0.10
Chromium III	ug/L			ND	0.32	0.63			EPA 200.8			
Chromium VI	ug/L			DNQ Est. Conc. 0.03	0.02	0.05			EPA 218.6 (Dissolved)		0.02	0.05
Chromium, total	ug/L			DNQ Est. Conc. 0.38	0.32	0.63			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
Copper	ug/L	4.89	3.69	3.69	4.82	6.24	23	15	EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	1.0 - 10.0
Diazinon	ug/L			ND	ND	ND			SW8141		0.004 - 0.0060	0.05 - 0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.014	0.020
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			DNQ Est. Conc. 0.32	ND	DNQ Est. Conc. 0.51			EPA 625 & EPA 625.1	2	0.26 - 0.42	1.0 - 2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 2.0
Dissolved oxygen	mg/L	8.0	8.8	7.5	8.2	8.8			HACH 10360 LDO			0.2
E. coli	MPN/100mL	ND	ND	ND	ND	ND			SM 9223B			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
Fecal coliform	CFU/100mL	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 10.0

Saugus Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Fluoride	mg/L	0.209			0.142			0.227			0.203
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.009						DNQ Est. Conc. 0.007			
Gross alpha radioactivity	pCi/L	ND			ND			ND			ND
Gross beta radioactivity	pCi/L	11.3			11.2			11.8			8.82
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND			ND			ND
Iron	ug/L	DNQ Est. Conc. 14.2			26.1			22.5			29.2
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.12	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.18	0.28	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.16
Mercury	ug/L		0.00255		0.0018	0.0020	0.0014	0.0015	0.0016	0.0019	0.0018
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	1.17	1.09	1.06	1.19	1.21	1.34	1.35	1.19	1.53	1.24
Nitrate + Nitrite as nitrogen	mg/L	4.32	4.31	4.57	5.21	4.71	5.01	4.67	4.49	4.62	3.97
Nitrate as nitrogen	mg/L	4.28	4.28	4.55	5.20	4.68	4.98	4.65	4.44	4.58	3.93
Nitrite as nitrogen	mg/L	0.039	0.031	ND	ND	ND	ND	ND	0.048	0.042	0.039
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	ND (1)(2)						DNQ Est. Conc. 36 (1)			
OctaCDF	pg/L	DNQ Est. Conc. 9.6 (1)						DNQ Est. Conc. 27 (1)			
Oil and grease	mg/L	ND			ND			ND			ND
Organic nitrogen	mg/L	1.15	0.795	0.914	1.48	0.902	1.13	1.34	0.766	0.946	1.40
Orthophosphate-P	mg/L	1.26			0.271			0.255			0.352
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 9.3 (2)			
PCB-105	pg/L							DNQ Est. Conc. 4.7			
PCB-114	pg/L							ND			
PCB-118	pg/L							DNQ Est. Conc. 11			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 10 (1)			
PCB-158	pg/L							DNQ Est. Conc. 1.6			
PCB-167	pg/L							DNQ Est. Conc. 0.59			
PCB-169	pg/L							ND			
PCB-170	pg/L							ND			
PCB-177	pg/L							ND			
PCB-183	pg/L							DNQ Est. Conc. 0.67 (2)			
PCB-187	pg/L							DNQ Est. Conc. 0.89 (2)			
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 (1)			
PCB-61/70/74/76	pg/L							ND (1)			
PCB-66	pg/L							DNQ Est. Conc. 3.4			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 9.3 (1)			
PCB-99	pg/L							DNQ Est. Conc. 4.0			

Saugus Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Fluoride	mg/L			0.142	0.195	0.227			SM 4500 F C		0.004 - 0.049	0.100
gamma-BHC (Lindane)	ug/L			DNQ Est. Conc. 0.007	ND	DNQ Est. Conc. 0.009			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L			ND	ND	ND	15		EPA 900.0		1.85 - 5.27	3.00 - 3.92
Gross beta radioactivity	pCi/L			8.82	10.8	11.8			EPA 900.0		1.09 - 2.43	4.00
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.47	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.53 - 2.0	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.013	0.020
Iron	ug/L			DNQ Est. Conc. 14.2	19.4	29.2			EPA 200.8		3.2	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0
Lead	ug/L	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.12	0.023	0.28	12	7	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0013	0.0012	0.0012	0.0017	0.00255	0.11	0.051	EPA 1631E		0.000047 - 0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.14	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.36 - 0.50	1.0 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.34 - 0.50	5.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.28 - 0.64	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0
Nickel	ug/L	1.16	1.01	1.01	1.21	1.53	117	89	EPA 200.8	1	0.07	1.00
Nitrate + Nitrite as nitrogen	mg/L	4.29	4.35	3.97	4.54	5.21		7.1	SM 4500 NO3 F			
Nitrate as nitrogen	mg/L	4.24	4.31	3.93	4.51	5.20		7.1	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.049	0.044	ND	0.024	0.049		0.9	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0
OctaCDD	pg/L			ND (1)(2)	ND	DNQ Est. Conc. 36 (1)			EPA 1613B		0.47 - 0.61	100 - 110
OctaCDF	pg/L			DNQ Est. Conc. 9.6 (1)	ND	DNQ Est. Conc. 27 (1)			EPA 1613B		0.55 - 0.60	100 - 110
Oil and grease	mg/L			ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.7
Organic nitrogen	mg/L	1.11	1.56	0.766	1.12	1.56			EPA 351.2		0.045 - 0.135	0.200
Orthophosphate-P	mg/L			0.255	0.534	1.26			EPA 365.1		0.006 - 0.025	0.030
PCB-101 (Co: 90/101/113)	pg/L			DNQ Est. Conc. 9.3 (2)	ND	DNQ Est. Conc. 9.3 (2)			EPA 1668C		0.58	610
PCB-105	pg/L			DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7			EPA 1668C		0.66	20
PCB-114	pg/L			ND	ND	ND			EPA 1668C		0.61	20
PCB-118	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668C		0.59	20
PCB-123	pg/L			ND	ND	ND			EPA 1668C		0.63	20
PCB-126	pg/L			ND	ND	ND			EPA 1668C		0.77	20
PCB-138 (Co: 129/138/163)	pg/L			DNQ Est. Conc. 10 (1)	ND	DNQ Est. Conc. 10 (1)			EPA 1668C		0.47	610
PCB-158	pg/L			DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6			EPA 1668C		0.36	200
PCB-167	pg/L			DNQ Est. Conc. 0.59	ND	DNQ Est. Conc. 0.59			EPA 1668C		0.26	20
PCB-169	pg/L			ND	ND	ND			EPA 1668C		0.32	20
PCB-170	pg/L			ND	ND	ND			EPA 1668C		0.78	200
PCB-177	pg/L			ND	ND	ND			EPA 1668C		0.64	200
PCB-183	pg/L			DNQ Est. Conc. 0.67 (2)	ND	DNQ Est. Conc. 0.67 (2)			EPA 1668C		0.64	200
PCB-187	pg/L			DNQ Est. Conc. 0.89 (2)	ND	DNQ Est. Conc. 0.89 (2)			EPA 1668C		0.57	200
PCB-189	pg/L			ND	ND	ND			EPA 1668C		0.52	20
PCB-194	pg/L			ND	ND	ND			EPA 1668C		0.28	200
PCB-201	pg/L			ND	ND	ND			EPA 1668C		0.37	200
PCB-206	pg/L			ND	ND	ND			EPA 1668C		0.27	200
PCB-37	pg/L			ND	ND	ND			EPA 1668C		2.5	200
PCB-52	pg/L			DNQ Est. Conc. 14 (1)	ND	DNQ Est. Conc. 14 (1)			EPA 1668C		1.4	200
PCB-61/70/74/76	pg/L			ND (1)	ND	ND (1)			EPA 1668C		0.64	810
PCB-66	pg/L			DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668C		0.66	200
PCB-77	pg/L			ND	ND	ND			EPA 1668C		1.1	20
PCB-81	pg/L			ND	ND	ND			EPA 1668C		1.1	20
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 9.3 (1)	ND	DNQ Est. Conc. 9.3 (1)			EPA 1668C		0.55	1200
PCB-99	pg/L			DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.0			EPA 1668C		0.49	200

Saugus Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB110/115	pg/L							DNQ Est. Conc. 11 (1)			
PCB128/166	pg/L							DNQ Est. Conc. 1.6			
PCB135/151	pg/L							DNQ Est. Conc. 2.6			
PCB147/149	pg/L							ND (1)(2)			
PCB153/168	pg/L							DNQ Est. Conc. 7.0 (1)			
PCB156/157	pg/L							ND (1)(2)			
PCB18/30	pg/L							DNQ Est. Conc. 5.0			
PCB180/193	pg/L							DNQ Est. Conc. 2.0			
PCB20/28	pg/L							DNQ Est. Conc. 8.8			
PCB44/47/65	pg/L							DNQ Est. Conc. 130 (1)			
PCB49/69	pg/L							DNQ Est. Conc. 5.8			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.48			0.077			0.4			0.31
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	ND						ND			
pH	SU	7.5	7.6	7.5	7.4	7.4	7.3	7.3	7.4	7.6	7.5
Pyrene	ug/L	ND						ND			
Radium 226 + Radium 228	pCi/L	ND									ND
Selenium	ug/L	DNQ Est. Conc. 0.46			DNQ Est. Conc. 0.33			DNQ Est. Conc. 0.18			DNQ Est. Conc. 0.20
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	ND			ND			ND			ND
Sulfate	mg/L	112	143	124	94.0	96.7	104	97.5	99.4	96.6	105
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Temperature	Degrees F	70.7	69.0	70.0	72.3	74.3	77.0	79.8	81.4	81.2	77.2
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	DNQ Est. Conc. 0.18						DNQ Est. Conc. 0.28			
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 2.76	DNQ Est. Conc. 2.95	DNQ Est. Conc. 1.46	DNQ Est. Conc. 1.77	ND	DNQ Est. Conc. 1.72	ND	DNQ Est. Conc. 1.43	ND	ND
Total dissolved solids	mg/L	553	636	597	451	504	524	494	520	510	528
Total hardness (CaCO3)	mg/L	192	302	186	167	166	178	167	161	160	174
Total Kjeldahl Nitrogen (TKN)	mg/L	1.89	1.62	1.67	2.29	1.77	1.92	2.07	1.71	1.86	2.25
Total nitrogen	mg/L	6.21	5.93	6.24	7.50	6.48	6.93	6.74	6.20	6.48	6.22
Total PCBs as arochlors	pg/L	ND						ND			
Total PCBs as congeners	pg/L							ND			
Total phosphorus	mg/L	1.28			0.302			0.315			0.388
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	45.4	40.2	30.1	42.1	26.6	47.8	45.5	40.1	38.6	43.0
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			457			ND			ND
Turbidity (flow proportioned avg daily value)	NTU	1.0	0.96	1.1	1.2	1.0	0.84	0.89	0.95	0.99	0.98
Uranium	pCi/L	ND			ND			ND			ND
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	76.8	65.7	82.8	81.4	74.4	83.6	75.2	72.6	71.0	75.3

Saugus Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB110/115	pg/L			DNQ Est. Conc. 11 (1)	ND	DNQ Est. Conc. 11 (1)			EPA 1668C		0.44	400
PCB128/166	pg/L			DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6			EPA 1668C		0.41	400
PCB135/151	pg/L			DNQ Est. Conc. 2.6	ND	DNQ Est. Conc. 2.6			EPA 1668C		0.47	400
PCB147/149	pg/L			ND (1)(2)	ND	ND (1)(2)			EPA 1668C		0.43	400
PCB153/168	pg/L			DNQ Est. Conc. 7.0 (1)	ND	DNQ Est. Conc. 7.0 (1)			EPA 1668C		0.37	400
PCB156/157	pg/L			ND (1)(2)	ND	ND (1)(2)			EPA 1668C		0.38	40
PCB18/30	pg/L			DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0			EPA 1668C		2.0	400
PCB180/193	pg/L			DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.0			EPA 1668C		0.56	400
PCB20/28	pg/L			DNQ Est. Conc. 8.8	ND	DNQ Est. Conc. 8.8			EPA 1668C		1.6	400
PCB44/47/65	pg/L			DNQ Est. Conc. 130 (1)	ND	DNQ Est. Conc. 130 (1)			EPA 1668C		1.4	610
PCB49/69	pg/L			DNQ Est. Conc. 5.8	ND	DNQ Est. Conc. 5.8			EPA 1668C		1.3	400
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.62 - 0.82	1.0
Perchlorate	ug/L			0.077	0.3	0.48			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 5.0
Phenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0
pH	SU	7.5	7.5	7.3	7.4	7.6			SM 4500 H+ B		1.00	1.00
Pyrene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 10.0
Radium 226 + Radium 228	pCi/L			ND	ND	ND	5		Drinking H2O Radium Sum Method			
Selenium	ug/L			DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.46			EPA 200.8	2	0.02	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	ND	ND	8		EPA 905.0		0.227 - 0.614	3.00
Sulfate	mg/L	129	102	94.0	109	143		300	EPA 300.0		0.050 - 0.110	2.50
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L			ND	ND	ND		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	75.9	70.4	69.0	74.9	81.4	(4)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.25	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L			DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.28			EPA 624	2	0.17	0.50
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	(5)	(5)	SM 9222B			1
Total cyanide	ug/L	ND	DNQ Est. Conc. 1.26	ND	ND	DNQ Est. Conc. 2.95	8.9	4.1	SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	486	510	451	526	636		1000	SM 2540C		2.7	25.0
Total hardness (CaCO3)	mg/L	153	172	153	182	302			EPA 200.8 & SM 2340C		0.01 - 0.02	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.08	2.57	1.62	1.98	2.57			EPA 351.2		0.045 - 0.135	0.200 - 0.500
Total nitrogen	mg/L	6.37	6.92	5.93	6.52	7.50			Total Nitrogen Calculation			
Total PCBs as arochlors	pg/L			ND	ND	ND			EPA 608			
Total PCBs as congeners	pg/L			ND	ND	ND			EPA 1668C			
Total phosphorus	mg/L			0.302	0.571	1.28			EPA 365.1		0.009 - 0.028	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	47.3	29.1	26.6	39.7	47.8		80	EPA 624 & EPA 624.1			
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.05 - 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	0.26	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.26	0.50
Tritium	pCi/L			ND	114	457	20000		EPA 906.0		270 - 375	500
Turbidity (flow proportioned avg daily value)	NTU	1.1	0.98	0.84	1.0	1.2	2		SM 2130B		0.12	0.12 - 0.50
Uranium	pCi/L			ND	ND	ND	20		EPA 908.0		0.0910 - 0.172	1.00
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.42	0.50
Zinc	ug/L	81.4	73.6	65.7	76.2	83.6	218	189	EPA 200.8	1	0.70	1.00

(1) Blank Contamination observed.

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

(3) In 2019, the monthly interim limit was equal to the sum of (a) the chloride concentration measured as a 12-month rolling average in the treated water supply for the State Water Project, and (b) 88 mg/L for the NPDES-based interim limit (from January 1 to June 30) and 64 mg/L for the TSO-based interim limit (from May 9 to December 31). The NPDES-based interim limit expired on July 1, 2019, and reverted to 100 mg/L as a three-month rolling average. See Chapter 1 for details.

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

(5) The number of total coliform bacteria shall not exceed 2.2/100mL as a 7-day median, 23/100mL in more than one sample within any 30-day period, and 240/100mL in any sample.

Valencia WRP Influent Monitoring

Valencia Water Reclamation Plant
2019 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	DNQ Est. Conc. 0.27						DNQ Est. Conc. 0.32			
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	DNQ Est. Conc. 0.05						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	0.85						1.24			
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	1.74						1.25			
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND						ND			

Valencia Water Reclamation Plant
2019 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	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.63	20.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.19 - 0.51	20.0 - 100
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L			DNQ Est. Conc. 0.27	ND	DNQ Est. Conc. 0.32	EPA 624	2	0.21	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.41	20.0 - 200
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.18 - 0.41	20.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.92 - 1.3	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.10 - 0.31	20.0 - 200
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.52 - 2.9	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.60 - 0.63	20.0 - 100
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.44 - 0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	1.5 - 2.8	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.37	20.0 - 100
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.21 - 0.64	20.0 - 200
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.28 - 0.50	20.0 - 100
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.44 - 0.69	20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.54 - 0.81	20.0 - 100
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.58	20.0 - 100
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.32 - 0.63	20.0 - 100
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	1.3 - 1.6	100
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.10
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4'-DDT	ug/L			ND	ND	DNQ Est. Conc. 0.05	EPA 608	0.01	0.001 - 0.003	0.10
Acenaphthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.22 - 0.50	20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.50	20.0 - 200
Acrolein	ug/L			ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.50	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.0005 - 0.002	0.10
Anthracene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.56	20.0 - 200
Antimony	ug/L			0.85	1.0	1.24	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09 - 0.1	3.0
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	1.0
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.5
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.02	1.0
Arsenic	ug/L			1.25	1.50	1.74	EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.77 - 1.8	100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.14 - 0.46	20.0 - 100
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.54	20.0 - 200

Valencia Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
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	DNQ Est. Conc. 0.020						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. 5.8						ND			
BOD	mg/L	380	342	373	400	408	455	370	349	381	400
Bromodichloromethane	ug/L	0.96						0.52			
Bromoform	ug/L	3.0						0.84			
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	0.25						0.32			
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	117	116	108	102	101	108	112	114	111	110
Chlorobenzene	ug/L	ND						ND			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	1.6						3.3			
Chromium III	ug/L	2.33						3.07			
Chromium VI	ug/L	0.16						ND			
Chromium, total	ug/L	2.49						3.07			
Chrysene	ug/L	ND						ND			
Copper	ug/L	164						221			
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			
Dibromochloromethane	ug/L	1.7						1.0			
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND						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						DNQ Est. Conc. 0.01			
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			
Isophorone	ug/L	ND						ND			
Lead	ug/L	2.39						1.84			
Mercury	ug/L	DNQ Est. Conc. 0.033						0.18			
Methyl bromide (Bromomethane)	ug/L	ND						ND			

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.22 - 0.61	20.0 - 200
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.12 - 0.52	20.0 - 100
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.53	20.0 - 200
Beryllium	ug/L			ND	ND	DNQ Est. Conc. 0.020	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.002 - 0.004	0.05
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.11 - 0.28	20.0 - 100
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.27	20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.20 - 0.25	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	DNQ Est. Conc. 5.8	EPA 625 & EPA 625.1	5	0.16 - 0.55	20.0 - 40.0
BOD	mg/L	477	406	342	395	477	SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L			0.52	0.74	0.96	EPA 624	2	0.20	0.50
Bromoform	ug/L			0.84	1.9	3.0	EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.58	20.0 - 200
Cadmium	ug/L			0.25	0.28	0.32	EPA 200.8	0.25	0.010	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.19	0.50
Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.50
Chloride	mg/L	99.7	101	99.7	108	117	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.22	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.43	0.50
Chloroform	ug/L			1.6	2.4	3.3	EPA 624	2	0.17	0.50
Chromium III	ug/L			2.33	2.70	3.07	EPA 200.8			
Chromium VI	ug/L			ND	0.080	0.16	EPA 218.6 (Dissolved)		0.02 - 0.048	0.05 - 0.20
Chromium, total	ug/L			2.49	2.78	3.07	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.16 - 0.41	20.0 - 200
Copper	ug/L			164	192	221	EPA 200.8	0.5	0.05	0.50 - 10.0
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.05
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.59	20.0 - 200
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.11 - 0.69	20.0 - 200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.58	20.0 - 200
Dibromochloromethane	ug/L			1.0	1.4	1.7	EPA 624	2	0.17	0.50
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.26 - 0.42	20.0 - 40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	2	0.28 - 0.41	20.0 - 40.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.10
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.10
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.24 - 0.69	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.35 - 0.58	20.0 - 200
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.01	EPA 608	0.02	0.0009 - 0.001	0.10
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.47	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.33 - 0.96	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.53 - 2.0	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.53	20.0 - 200
Isophorone	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.11 - 0.28	20.0
Lead	ug/L			1.84	2.12	2.39	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			DNQ Est. Conc. 0.033	0.090	0.18	EPA 245.1	0.5	0.012 - 0.017	0.040 - 0.050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.48	0.50

Valencia Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methylene chloride	ug/L	ND						0.60			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	4.38						5.24			
Nitrobenzene	ug/L	ND						ND			
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 430 (1)			
PCB-105	pg/L							140 (1)			
PCB-114	pg/L							ND			
PCB-118	pg/L							300			
PCB-123	pg/L							DNQ Est. Conc. 19			
PCB-126	pg/L							ND			
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 490 (1)			
PCB-156	pg/L							54.8			
PCB-157	pg/L							ND			
PCB-158	pg/L							DNQ Est. Conc. 59 (1)			
PCB-167	pg/L							DNQ Est. Conc. 16			
PCB-169	pg/L							ND			
PCB-170	pg/L							DNQ Est. Conc. 88			
PCB-177	pg/L							DNQ Est. Conc. 50			
PCB-183	pg/L							DNQ Est. Conc. 80 (1)			
PCB-187	pg/L							DNQ Est. Conc. 100			
PCB-189	pg/L							ND			
PCB-194	pg/L							DNQ Est. Conc. 39			
PCB-201	pg/L							ND			
PCB-206	pg/L							DNQ Est. Conc. 38			
PCB-37	pg/L							ND			
PCB-52	pg/L							310 (1)			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 280 (1)			
PCB-66	pg/L							DNQ Est. Conc. 120 (1)			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 280			
PCB-99	pg/L							DNQ Est. Conc. 140			
PCB110/115	pg/L							DNQ Est. Conc. 390 (1)			
PCB128/166	pg/L							DNQ Est. Conc. 58			
PCB135/151	pg/L							DNQ Est. Conc. 140			
PCB147/149	pg/L							DNQ Est. Conc. 300 (1)			
PCB153/168	pg/L							DNQ Est. Conc. 360 (1)			
PCB156/157	pg/L							63			
PCB18/30	pg/L							DNQ Est. Conc. 91			
PCB180/193	pg/L							DNQ Est. Conc. 210			
PCB20/28	pg/L							DNQ Est. Conc. 170			
PCB44/47/65	pg/L							DNQ Est. Conc. 370 (1)			
PCB49/69	pg/L							DNQ Est. Conc. 100 (1)			
Pentachlorophenol	ug/L	ND						ND			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	36.1						DNQ Est. Conc. 18.0			
pH	SU	8.0	8.0	8.0	7.9	8.0	7.8	7.9	7.9	7.9	7.8
Pyrene	ug/L	ND						ND			
Selenium	ug/L	1.49						1.15			

Valencia Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.42	0.50
Methylene chloride	ug/L			ND	0.30	0.60	EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1 & EPA 1625C		0.0006 - 0.50	0.020 - 100
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 625 & EPA 625.1 & EPA 1625C		0.0005 - 0.50	0.020 - 100
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625 & EPA 625.1 & EPA 1625C		0.0013 - 0.64	0.10 - 20.0
Naphthalene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.20	20.0
Nickel	ug/L			4.38	4.81	5.24	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.31	20.0
PCB-101 (Co: 90/101/113)	pg/L			DNQ Est. Conc. 430 (1)	ND	DNQ Est. Conc. 430 (1)	EPA 1668C		10	650
PCB-105	pg/L			140 (1)	140	140 (1)	EPA 1668C		10	22
PCB-114	pg/L			ND	ND	ND	EPA 1668C		9.3	22
PCB-118	pg/L			300	300	300	EPA 1668C		8.9	22
PCB-123	pg/L			DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668C		9.4	22
PCB-126	pg/L			ND	ND	ND	EPA 1668C		13	22
PCB-138 (Co: 129/138/163)	pg/L			DNQ Est. Conc. 490 (1)	ND	DNQ Est. Conc. 490 (1)	EPA 1668C		5.6	650
PCB-156	pg/L			54.8	54.8	54.8	EPA 1668C		1.94	5.50
PCB-157	pg/L			ND	ND	ND	EPA 1668C		1.25	5.50
PCB-158	pg/L			DNQ Est. Conc. 59 (1)	ND	DNQ Est. Conc. 59 (1)	EPA 1668C		4.3	220
PCB-167	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668C		6.5	22
PCB-169	pg/L			ND	ND	ND	EPA 1668C		11	22
PCB-170	pg/L			DNQ Est. Conc. 88	ND	DNQ Est. Conc. 88	EPA 1668C		9.5	220
PCB-177	pg/L			DNQ Est. Conc. 50	ND	DNQ Est. Conc. 50	EPA 1668C		7.8	220
PCB-183	pg/L			DNQ Est. Conc. 80 (1)	ND	DNQ Est. Conc. 80 (1)	EPA 1668C		7.9	220
PCB-187	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668C		4.3	220
PCB-189	pg/L			ND	ND	ND	EPA 1668C		3.4	22
PCB-194	pg/L			DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668C		2.5	220
PCB-201	pg/L			ND	ND	ND	EPA 1668C		3.0	220
PCB-206	pg/L			DNQ Est. Conc. 38	ND	DNQ Est. Conc. 38	EPA 1668C		2.0	220
PCB-37	pg/L			ND	ND	ND	EPA 1668C		41	220
PCB-52	pg/L			310 (1)	310	310 (1)	EPA 1668C		15	220
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 280 (1)	ND	DNQ Est. Conc. 280 (1)	EPA 1668C		7.5	870
PCB-66	pg/L			DNQ Est. Conc. 120 (1)	ND	DNQ Est. Conc. 120 (1)	EPA 1668C		7.8	220
PCB-77	pg/L			ND	ND	ND	EPA 1668C		10	22
PCB-81	pg/L			ND	ND	ND	EPA 1668C		9.2	22
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 280	ND	DNQ Est. Conc. 280	EPA 1668C		9.5	1300
PCB-99	pg/L			DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668C		8.5	220
PCB110/115	pg/L			DNQ Est. Conc. 390 (1)	ND	DNQ Est. Conc. 390 (1)	EPA 1668C		7.6	430
PCB128/166	pg/L			DNQ Est. Conc. 58	ND	DNQ Est. Conc. 58	EPA 1668C		4.9	430
PCB135/151	pg/L			DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668C		5.6	430
PCB147/149	pg/L			DNQ Est. Conc. 300 (1)	ND	DNQ Est. Conc. 300 (1)	EPA 1668C		5.1	430
PCB153/168	pg/L			DNQ Est. Conc. 360 (1)	ND	DNQ Est. Conc. 360 (1)	EPA 1668C		4.5	430
PCB156/157	pg/L			63	63	63	EPA 1668C		9.0	43
PCB18/30	pg/L			DNQ Est. Conc. 91	ND	DNQ Est. Conc. 91	EPA 1668C		18	430
PCB180/193	pg/L			DNQ Est. Conc. 210	ND	DNQ Est. Conc. 210	EPA 1668C		6.9	430
PCB20/28	pg/L			DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668C		30	430
PCB44/47/65	pg/L			DNQ Est. Conc. 370 (1)	ND	DNQ Est. Conc. 370 (1)	EPA 1668C		14	650
PCB49/69	pg/L			DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668C		14	430
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.62 - 0.82	20.0 - 100
Phenanthrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	5	0.31 - 0.59	20.0 - 100
Phenol	ug/L			DNQ Est. Conc. 18.0	18.0	36.1	EPA 625 & EPA 625.1	1	0.12 - 0.24	20.0
pH	SU	7.9	8.0	7.8	7.9	8.0	SM 4500 H+ B		1.00	1.00
Pyrene	ug/L			ND	ND	ND	EPA 625 & EPA 625.1	10	0.28 - 0.60	20.0 - 200
Selenium	ug/L			1.15	1.32	1.49	EPA 200.8	2	0.02	1.00

Valencia Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Silver	ug/L	0.52						0.78			
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						DNQ Est. Conc. 0.019			
Toluene	ug/L	0.70						1.1			
Total cyanide	ug/L	DNQ Est. Conc. 1.60						DNQ Est. Conc. 3.85			
Total PCBs as arochlors	pg/L	ND						ND			
Total PCBs as congeners	pg/L							805			
Total suspended solids	mg/L	1230	777	978	537	722	670	525	540	641	702
Total trihalomethanes	ug/L	7.3						5.7			
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	258						250			

Valencia Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Silver	ug/L			0.52	0.65	0.78	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L			ND	ND	ND	EPA 624	2	0.25	0.50
Thallium	ug/L			ND	ND	DNQ Est. Conc. 0.019	EPA 200.8	1	0.010	0.25
Toluene	ug/L			0.70	0.90	1.1	EPA 624	2	0.17	0.50
Total cyanide	ug/L			DNQ Est. Conc. 1.60	ND	DNQ Est. Conc. 3.85	SM 4500 CN E	5	1.00	5.00
Total PCBs as arochlors	pg/L			ND	ND	ND	EPA 608			
Total PCBs as congeners	pg/L			805	805	805	EPA 1668C			
Total suspended solids	mg/L	559	988	525	739	1230	SM 2540D		2.5	100
Total trihalomethanes	ug/L			5.7	6.5	7.3	EPA 624			
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.05 - 0.08	5.0
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.26	0.50
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.26	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	ug/L			250	254	258	EPA 200.8	1	0.70	20.0

(1) Blank contamination observed.

Valencia WRP Effluent Monitoring

Valencia Water Reclamation Plant
2019 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	ND (1)			ND (1)(2)			ND (1)			ND (1)
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)(2)			ND			ND			ND (1)(2)
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)			ND			ND (1)			ND (1)
1,2,3,4,7,8-HexaCDF	pg/L	ND			ND			ND			ND
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND (1)			ND			ND			ND
1,2,3,6,7,8-HexaCDD	pg/L	ND (1)(2)			ND			ND			ND
1,2,3,6,7,8-HexaCDF	pg/L	ND			ND			ND (1)(2)			ND
1,2,3,7,8-PentaCDD	pg/L	ND			ND			ND			ND
1,2,3,7,8-PentaCDF	pg/L	ND			ND			ND			ND
1,2,3,7,8,9-HexaCDD	pg/L	ND			ND			ND			ND
1,2,3,7,8,9-HexaCDF	pg/L	ND (1)			ND			ND (1)(2)			ND (1)(2)
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	1.1						1.1			
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			ND (1)			ND (1)
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 (1)(2)			ND (1)
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. 0.24						ND			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
4,4'-DDT	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	0.768	0.966	0.989	1.00	0.884	0.984	0.888	0.914	0.886	0.649
Anthracene	ug/L	ND						ND			
Antimony	ug/L	DNQ Est. Conc. 0.48						0.58			
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			

Valencia Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.19	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	0.33	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (1)	ND	ND (1)(2)			EPA 1613B		0.29 - 1.3	51 - 59
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	ND (1)(2)			EPA 1613B		0.39 - 2.0	51 - 59
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	ND (1)			EPA 1613B		0.33 - 2.7	51 - 59
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.24 - 1.4	51 - 59
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.50 - 2.3	51 - 59
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND (1)(2)			EPA 1613B		0.32 - 2.4	51 - 59
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND (1)(2)			EPA 1613B		0.21 - 1.3	51 - 59
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.31 - 3.5	51 - 59
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.25 - 1.9	51 - 59
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.29 - 2.3	51 - 59
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	ND (1)(2)			EPA 1613B		0.14 - 1.0	51 - 59
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	1.0 - 5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.17	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
1,4-Dioxane	ug/L			1.1	1.1	1.1			8270SIM		0.19	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	1.0 - 10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND (1)			EPA 1613B		0.14 - 1.0	51 - 59
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.25 - 2.4	51 - 59
2,3,7,8-TCDD	pg/L			ND	ND	ND	0.028	0.014	EPA 1613B		0.34 - 2.1	10 - 12
2,3,7,8-TetraCDF	pg/L			ND	ND	ND (1)(2)			EPA 1613B		0.17 - 1.4	10 - 12
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	DNQ Est. Conc. 0.24			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	1.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	1.0 - 5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		0.70	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.50	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.910	0.940	0.649	0.898	1.00	5.2	1.75	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.56	1.0 - 10.0
Antimony	ug/L			DNQ Est. Conc. 0.48	0.29	0.58			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1

Valencia Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	DNQ Est. Conc. 0.63	DNQ Est. Conc. 0.63	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.57	DNQ Est. Conc. 0.51	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.62	DNQ Est. Conc. 0.59	DNQ Est. Conc. 0.47
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	DNQ Est. Conc. 2.0	ND	ND	ND	ND	ND	ND	ND
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.46	0.49	0.41	0.35	0.39	0.43	0.42	0.42	0.43	0.42
Bromodichloromethane	ug/L	15.4	13.0	15.4	13.8	11.3	15.7	13.5	11.0	9.7	6.0
Bromoform	ug/L	1.3	1.3	0.90	0.91	0.82	1.3	1.1	0.53	0.67	DNQ Est. Conc. 0.40
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	DNQ Est. Conc. 0.014			DNQ Est. Conc. 0.042			DNQ Est. Conc. 0.020			ND
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	129	116	116	113	112	118	118	123	121	123
Chlorobenzene	ug/L	ND						ND			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	19.1	12.1	17.3	16.0	11.8	17.4	17.1	11.4	10.6	7.7
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	ND						0.71			
Chromium VI	ug/L	ND						ND			
Chromium, total	ug/L	DNQ Est. Conc. 0.27						0.71			
Chrysene	ug/L	ND						ND			
Copper	ug/L	1.94	2.75	2.94	2.67	1.85	2.21	2.09	1.40	2.66	1.75
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	6.3	7.5	6.8	6.2	5.9	8.0	5.9	5.2	4.0	2.1
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND							DNQ Est. Conc. 1.3		
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	8.6	8.6	8.7	8.1	8.2	7.9	7.8	7.6	7.4	7.2
E. coli	MPN/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	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.291			0.271			0.310			0.272
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.007						ND			
Gross alpha radioactivity	pCi/L	ND			ND			ND			ND
Gross beta radioactivity	pCi/L	15.1			17.3			14.6			13.8
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			

Valencia Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	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 - 0.03	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.46	DNQ Est. Conc. 0.45	ND	DNQ Est. Conc. 0.63			EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007 - 0.013	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.11 - 0.28	1.0 - 5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	DNQ Est. Conc. 2.0		4	EPA 625 & EPA 625.1	5	0.16 - 0.55	1.0 - 8.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.40	0.46	0.35	0.42	0.49		1.5	EPA 200.8		0.008 - 0.017	0.020
Bromodichloromethane	ug/L	7.9	4.0	4.0	11	15.7			EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L	0.51	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.26	0.78	1.3			EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 10.0
Cadmium	ug/L			ND	ND	DNQ Est. Conc. 0.042			EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	110	120	110	118	129	230	(3)	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.22	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.43	0.50
Chloroform	ug/L	9.5	5.2	5.2	13	19.1			EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW8141		0.003 - 0.030	0.05 - 0.50
Chromium III	ug/L			ND	0.36	0.71			EPA 200.8			
Chromium VI	ug/L			ND	ND	ND			EPA 218.6 (Dissolved)		0.0048 - 0.02	0.020 - 0.05
Chromium, total	ug/L			DNQ Est. Conc. 0.27	0.36	0.71			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005 - 0.014	0.020
Copper	ug/L	1.87	1.47	1.40	2.13	2.94	39	12	EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	1.0 - 10.0
Diazinon	ug/L			ND	ND	ND			SW 8141		0.004 - 0.030	0.05 - 0.50
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.014	0.020
Dibromochloromethane	ug/L	3.0	1.4	1.4	5.2	8.0			EPA 624 & EPA 624.1	2	0.11 - 0.17	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. 1.3			EPA 625 & EPA 625.1	2	0.26 - 0.42	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 2.0
Dissolved oxygen	mg/L	7.8	7.4	7.2	7.9	8.7			HACH 10360 LDO			0.2
E. coli	MPN/100mL	ND	ND	ND	ND	ND			SM 9223B			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
Fecal coliform	CFU/100mL	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 10.0
Fluoride	mg/L			0.271	0.286	0.310			SM 4500 F C		0.004 - 0.049	0.100
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.007			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L			ND	ND	ND	15		EPA 900.0		1.56 - 5.28	3.00 - 5.28
Gross beta radioactivity	pCi/L			13.8	15.2	17.3			EPA 900.0		1.39 - 2.24	4.00
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.47	1.0

Parameter	Units	January	February	March	April	May	June	July	August	September	October
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	64.6	57.9	73.7	65.9	109	107	87.0	82.6	91.5	95.5
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.06			DNQ Est. Conc. 0.06			DNQ Est. Conc. 0.08			DNQ Est. Conc. 0.05
Mercury	ug/L	0.0012		0.00123	0.0032	0.0024	0.0033	0.0040	0.0013	0.0013	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						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	2.13			2.00			2.30			2.49
Nitrate + nitrite as nitrogen	mg/L	3.28	3.21	2.92	3.01	3.20	2.94	2.50	2.14	1.57	2.86
Nitrate as nitrogen	mg/L	3.25	3.18	2.88	3.01	3.18	2.90	2.46	2.09	1.52	2.83
Nitrite as nitrogen	mg/L	0.030	ND	0.036	ND	ND	0.035	0.041	0.047	0.049	0.034
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	ND (1)			ND (1)(2)			ND (1)			ND (1)
OctaCDF	pg/L	ND (1)			DNQ Est. Conc. 8.0			ND (1)(2)			ND (1)
Oil and grease	mg/L	ND			ND			ND			ND
Organic nitrogen	mg/L	1.43	1.35	1.99	2.16	1.62	1.59	1.42	0.896	1.18	1.15
Orthophosphate-P	mg/L	1.67			1.18			2.50			0.567
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 16 (1)			
PCB-105	pg/L							DNQ Est. Conc. 4.4 (2)			
PCB-114	pg/L							ND			
PCB-118	pg/L							ND (1)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-138 (Co: 129/138/163)	pg/L							ND (1)			
PCB-158	pg/L							ND			
PCB-167	pg/L							DNQ Est. Conc. 2.0			
PCB-169	pg/L							DNQ Est. Conc. 2.4			
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							DNQ Est. Conc. 0.60 (2)			
PCB-37	pg/L							ND			
PCB-52	pg/L							ND (1)			
PCB-61/70/74/76	pg/L							ND (1)			
PCB-66	pg/L							ND (1)(2)			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 11			
PCB-99	pg/L							DNQ Est. Conc. 6.4			
PCB110/115	pg/L							ND (1)			
PCB128/166	pg/L							ND			
PCB135/151	pg/L							DNQ Est. Conc. 3.0			
PCB147/149	pg/L							ND (1)			
PCB153/168	pg/L							ND (1)			
PCB156/157	pg/L							ND (1)			
PCB18/30	pg/L							ND			
PCB180/193	pg/L							ND			
PCB20/28	pg/L							DNQ Est. Conc. 14			
PCB44/47/65	pg/L							DNQ Est. Conc. 380 (1)			

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.53 - 2.0	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004 - 0.013	0.020
Iron	ug/L	79.0	123	57.9	86.4	123		300	EPA 200.8		3.2	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0
Lead	ug/L			DNQ Est. Conc. 0.05	ND	DNQ Est. Conc. 0.08			EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.00076	0.0017	0.00076	0.0019	0.0040			EPA 1631E		0.000047 - 0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.48	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.42	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.14	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1 & EPA 1625C		0.0006 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND			EPA 625 & EPA 625.1 & EPA 1625C		0.0005 - 0.50	0.0020 - 5.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625 & EPA 625.1 & EPA 1625C	1	0.0013 - 0.64	0.010 - 1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0
Nickel	ug/L			2.00	2.23	2.49			EPA 200.8	1	0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	3.60	2.93	1.57	2.85	3.60		6.8	SM 4500 NO3 F			
Nitrate as nitrogen	mg/L	3.57	2.89	1.52	2.81	3.57		6.8	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.035	0.036	ND	0.028	0.049		0.9	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0
OctaCDD	pg/L			ND (1)	ND	ND (1)(2)			EPA 1613B		0.35 - 1.9	100 - 120
OctaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 8.0			EPA 1613B		0.38 - 2.8	100 - 120
Oil and grease	mg/L			ND	ND	ND	15	10	EPA 1664A		1.2	4.5 - 4.7
Organic nitrogen	mg/L	1.10	1.57	0.896	1.45	2.16			EPA 351.2		0.045 - 0.135	0.200
Orthophosphate-P	mg/L			0.567	1.48	2.50			EPA 365.1		0.006 - 0.025	0.030
PCB-101 (Co: 90/101/113)	pg/L			DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668C		1.3	610
PCB-105	pg/L			DNQ Est. Conc. 4.4 (2)	ND	DNQ Est. Conc. 4.4 (2)			EPA 1668C		1.5	20
PCB-114	pg/L			ND	ND	ND			EPA 1668C		1.4	20
PCB-118	pg/L			ND (1)	ND	ND (1)			EPA 1668C		1.3	20
PCB-123	pg/L			ND	ND	ND			EPA 1668C		1.4	20
PCB-126	pg/L			ND	ND	ND			EPA 1668C		1.9	20
PCB-138 (Co: 129/138/163)	pg/L			ND (1)	ND	ND (1)			EPA 1668C		0.78	610
PCB-158	pg/L			ND	ND	ND			EPA 1668C		0.60	200
PCB-167	pg/L			DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.0			EPA 1668C		0.53	20
PCB-169	pg/L			DNQ Est. Conc. 2.4	ND	DNQ Est. Conc. 2.4			EPA 1668C		0.70	20
PCB-170	pg/L			ND	ND	ND			EPA 1668C		1.5	200
PCB-177	pg/L			ND	ND	ND			EPA 1668C		1.2	200
PCB-183	pg/L			ND	ND	ND			EPA 1668C		1.3	200
PCB-187	pg/L			ND	ND	ND			EPA 1668C		1.1	200
PCB-189	pg/L			ND	ND	ND			EPA 1668C		0.99	20
PCB-194	pg/L			ND	ND	ND			EPA 1668C		0.60	200
PCB-201	pg/L			ND	ND	ND			EPA 1668C		0.67	200
PCB-206	pg/L			DNQ Est. Conc. 0.60 (2)	ND	DNQ Est. Conc. 0.60 (2)			EPA 1668C		0.54	200
PCB-37	pg/L			ND	ND	ND			EPA 1668C		4.5	200
PCB-52	pg/L			ND (1)	ND	ND (1)			EPA 1668C		2.8	200
PCB-61/70/74/76	pg/L			ND (1)	ND	ND (1)			EPA 1668C		1.4	810
PCB-66	pg/L			ND (1)(2)	ND	ND (1)(2)			EPA 1668C		1.5	200
PCB-77	pg/L			ND	ND	ND			EPA 1668C		2.1	20
PCB-81	pg/L			ND	ND	ND			EPA 1668C		2.0	20
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668C		1.3	1200
PCB-99	pg/L			DNQ Est. Conc. 6.4	ND	DNQ Est. Conc. 6.4			EPA 1668C		1.1	200
PCB110/115	pg/L			ND (1)	ND	ND (1)			EPA 1668C		1.0	410
PCB128/166	pg/L			ND	ND	ND			EPA 1668C		0.68	410
PCB135/151	pg/L			DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.0			EPA 1668C		0.78	410
PCB147/149	pg/L			ND (1)	ND	ND (1)			EPA 1668C		0.71	410
PCB153/168	pg/L			ND (1)	ND	ND (1)			EPA 1668C		0.62	410
PCB156/157	pg/L			ND (1)	ND	ND (1)			EPA 1668C		0.76	41
PCB18/30	pg/L			ND	ND	ND			EPA 1668C		5.0	410
PCB180/193	pg/L			ND	ND	ND			EPA 1668C		1.1	410
PCB20/28	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668C		3.4	410
PCB44/47/65	pg/L			DNQ Est. Conc. 380 (1)	ND	DNQ Est. Conc. 380 (1)			EPA 1668C		2.7	610

Valencia Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB49/69	pg/L							DNQ Est. Conc. 12			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.15						0.54			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	DNQ Est. Conc. 0.17						DNQ Est. Conc. 0.26			
pH	SU	7.3	7.4	7.3	7.3	7.3	7.4	7.3	7.4	7.4	7.3
Pyrene	ug/L	ND						ND			
Radium 226 + Radium 228	pCi/L	ND									ND
Selenium	ug/L	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.26
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	ND			ND			ND			ND
Sulfate	mg/L	165	172	160	111	121	126	124	139	137	142
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Temperature	Degrees F	73.1	70.3	72.2	75.0	76.0	79.2	81.1	82.8	82.1	77.1
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	ND						DNQ Est. Conc. 0.20			
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 4.1	DNQ Est. Conc. 4.3	DNQ Est. Conc. 3.2	DNQ Est. Conc. 4.1	DNQ Est. Conc. 3.8	DNQ Est. Conc. 3.0	DNQ Est. Conc. 2.1	DNQ Est. Conc. 2.4	DNQ Est. Conc. 2.4	DNQ Est. Conc. 2.4
Total dissolved solids	mg/L	679	666	627	508	570	536	562	619	609	580
Total hardness (CaCO3)	mg/L	230	267	190	187	180	196	190	218	201	201
Total Kjeldahl Nitrogen (TKN)	mg/L	2.20	2.32	2.98	3.16	2.50	2.57	2.31	1.81	2.07	1.80
Total nitrogen	mg/L	5.48	5.53	5.90	6.17	5.70	5.51	4.81	3.95	3.64	4.66
Total phosphorus	mg/L	1.58			1.16			2.00			0.594
Total PCBs as arochlors	pg/L	ND						ND			
Total PCBs as congeners	pg/L							ND			
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	42.1	33.9	40.4	36.9	29.8	42.4	37.6	28.1	25.0	15.8
Toxaphene	ug/L	ND						ND			
Toxic equivalence	pg/L	ND			ND			ND			ND
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			
Tritium	pCi/L	ND			ND			ND			ND
Turbidity (flow proportioned avg daily value)	NTU	0.75	0.53	0.64	0.82	0.72	0.76	0.67	0.64	0.65	0.65
Uranium	pCi/L	ND			ND			ND			ND
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	31.1			32.8			24.6			26.3

Valencia Water Reclamation Plant
2019 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB49/69	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668C		2.6	410
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.62 - 0.82	1.0 - 5.0
Perchlorate	ug/L			0.15	0.34	0.54			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 5.0
Phenol	ug/L			DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.26			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0
pH	SU	7.4	7.3	7.3	7.3	7.4			SM 4500 H+ B		1.00	1.00
Pyrene	ug/L			ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 10.0
Radium 226 + Radium 228	pCi/L			ND	ND	ND	5		Drinking H2O Radium Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.22	ND	DNQ Est. Conc. 0.48	6.8	4.5	EPA 200.8	2	0.02	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	ND	ND	8		EPA 905.0		0.376 - 0.575	3.00
Sulfate	mg/L	96.0	165	96.0	138	172		400	EPA 300.0		0.050 - 0.110	2.50
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L			ND	ND	ND		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	78.1	73.3	70.3	76.7	82.8	(4)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.25	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L			ND	ND	DNQ Est. Conc. 0.20			EPA 624	2	0.17	0.50
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	(5)	(5)	SM 9222B			1 - 2
Total cyanide	ug/L	DNQ Est. Conc. 3.5	DNQ Est. Conc. 3.7	DNQ Est. Conc. 2.1	ND	DNQ Est. Conc. 4.3	7.0	4.7	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	551	664	508	598	679		1000	SM 2540C		2.7	25.0
Total hardness (CaCO3)	mg/L	183	238	180	207	267			EPA 200.8 & SM 2340C		0.01 - 0.02	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.01	2.51	1.80	2.35	3.16			EPA 351.2		0.045 - 0.135	0.200
Total nitrogen	mg/L	5.61	5.44	3.64	5.20	6.17			Total Nitrogen Calculation			
Total phosphorus	mg/L			0.594	1.33	2.00			EPA 365.1		0.009 - 0.028	0.030
Total PCBs as arochlors	pg/L			ND	ND	ND			EPA 608			
Total PCBs as congeners	pg/L			ND	ND	ND			EPA 1668C			
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	20.9	10.6	10.6	30.3	42.4		80	EPA 624 & EPA 624.1			
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.26	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.26	0.50
Tritium	pCi/L			ND	ND	ND	20000		EPA 906.0		272 - 369	500
Turbidity (flow proportioned avg daily value)	NTU	0.78	0.74	0.53	0.70	0.82	2		SM 2130B		0.12	0.12 - 0.50
Uranium	pCi/L			ND	ND	ND	20		EPA 908.0		0.0854 - 0.149	1.00
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.42	0.50
Zinc	ug/L			24.6	28.7	32.8			EPA 200.8	1	0.70	1.00

(1) Blank contamination observed.

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

(3) In 2019, the monthly interim limit was equal to the sum of (a) the chloride concentration measured as a 12-month rolling average in the treated water supply for the State Water Project, and (b) 97 mg/L for the NPDES-based interim limit (from January 1 to June 30) and 77 mg/L for the TSO-based interim limit (from May 9 to December 31). The NPDES-based interim limit expired on July 1, 2019, and reverted to 100 mg/L as a three-month rolling average. See Chapter 1 for details.

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

(5) The number of total coliform bacteria shall not exceed 2.2/100mL as a 7-day median, 23/100mL in more than one sample within any 30-day period, and 240/100mL in any sample.

Valencia WRP Biosolids Monitoring

Biosolids Annual Report Landing Page / LACSD - VALENCIA WRP

NPDES ID: CAL054216
Facility Status: Active
Facility Name: LACSD - VALENCIA WRP
P.O. BOX 4998 WHITTIER, CA 90607-4998

View Annual Report

EPA	**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY** **WASHINGTON, DC 20460** **BIOSOLIDS ANNUAL REPORT**	**FORM** **Approved OMB No.** **2040-0004**

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' 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.

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit confidential business information (CBI) or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk (NPDESereporting@epa.gov (mailto:NPDESereporting@epa.gov)) for further guidance.

Furthermore, CWA section 308(b) and 40 CFR 122.7 require EPA to make effluent data available to the public. EPA's CWA CBI regulation defines "effluent data" as, "A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources…" See 40 CFR 2.302(a)(2)(C). Thus, effluent data will not be protected as CBI and will be made publicly available.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

Program Information

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 part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- 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

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

4349

Reporting Period Start Date: 01/01/2019 **Reporting Period End Date:** 12/31/2019

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):
Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6020 - Arsenic (ICP-MS)
- EPA Method 6020 - Cadmium (ICP-MS)
- EPA Method 6020 - Chromium (ICP-MS)
- EPA Method 6020 - Copper (ICP-MS)
- EPA Method 6020 - Lead (ICP-MS)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6020 - Molybdenum (ICP-MS)
- EPA Method 6020 - Nickel (ICP-MS)
- EPA Method 6020 - Selenium (ICP-MS)
- EPA Method 6020 - Zinc (ICP-MS)
- EPA Method 6020 - Beryllium (ICP-MS)
- Standard Method 4500-NH3 - Ammonia Nitrogen
- Standard Method 4500-Norg - Organic Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids

Other Analytical Methods

- Other Nitrate Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  SM 4500 NO3

- Other Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  Total Nitrogen Calculation

Sludge Management - Land Application

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 002

Amount: 4349

Management Practice Detail: Disposal in a Municipal Landfill (under 40 CFR 258)

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
H.M. Holloway Landfill
13850 Holloway Road
Lost Hills, CA 93249

Contact Information:
Chad Wright
Mine Superintendent
661-797-2320
cwright@hmhgypsum.com

Pathogen Class: Class B

Do you have any deficiencies to report for this SSUID? ☐ YES ☐ NO ☑ UNKNOWN

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

Additional Attachments

Name	Created Date	Size
2019 Valencia_NANI_Data_Summary.pdf	02/11/2020 10:25 AM	106.50 KB

Certification Information

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 gathered and evaluated 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 have no personal knowledge that the information submitted is other than 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. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Matthew J. Bao (MATTHEWBAO)

Certified On: 02/13/2020 12:06 PM

2019 BIOSOLIDS MANAGEMENT PROGRAM
Valencia Water Reclamation Plant
mg/kg Dry Weight (unless otherwise noted)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
19010900371**	1/9/2019	20.2	4.51	1.4	14.5	934	8.02	0.48	10.9	18.2	5.6	769
19021300385	2/13/2019	16.9	4.46	1.5	-	863	8.82	0.72	11.1	19.1	5.8	760
19030600426	3/6/2019	22.0	4.10	1.4	-	998	8.40	1.3	10.4	18.5	6.1	757
19040300417	4/2/2019	17.6	4.11	1.7	16.1	901	7.56	0.58	10.0	19.5	6.4	747
19051500348	5/15/2019	18.2	3.94	2.0	-	875	7.73	0.70	10.3	19.2	5.8	817
19060500422	6/5/2019	18.1	3.94	1.8	-	954	7.50	0.52	10.4	18.9	5.5	810
19071000356	7/10/2019	20.5	4.01	2.0	15.4	940	7.85	0.51	11.8	19.0	5.8	847
19080800166	8/7/2019	18.3	4.05	2.0	-	912	8.27	1.5	10.5	18.4	5.8	868
19090400440	9/4/2019	20.3	3.78	1.9	-	860	7.47	0.49	10.1	18.7	5.4	816
19100200398	10/2/2019	19.9	4.17	2.0	13.6	927	7.98	0.51	10.6	18.4	5.9	914
19110600433	11/6/2019	16.9	3.91	1.7	-	753	8.03	0.72	9.8	17.8	5.5	752
19120400450	12/4/2019	17.9	3.84	1.7	-	758	8.50	0.61	9.3	18.1	5.3	780
MEAN		**18.9**	**4.07**	**1.8**	**14.9**	**890**	**8.01**	**0.72**	**10.4**	**18.7**	**5.7**	**803**
MAX			**4.51**	**2.0**	**16.1**	**998**	**8.82**	**1.49**	**11.8**	**19.5**	**6.4**	**914**
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)	TN	TN Bi-Monthly Ave
19010900371	1/9/2019	20.2	6,300	59,300	10.7	12.2	111,000	38.4	1,720	8.1	< 1.0 *	65,600	
19021300385	2/13/2019	16.9	8,860	59,600	69.9	37.2	84,600	-	-	-	-	68,600	67,100
19030600426	3/6/2019	22.0	7,200	59,100	10.1	33.3	88,600	-	-	-	-	66,300	
19040300417	4/2/2019	17.6	8,370	65,500	< 11.4	11.4	77,900	34.2	1,600	8.4	-	73,900	70,100
19051500348	5/15/2019	18.2	9,070	63,400	< 11.0	43.0	105,000	-	-	-	-	72,500	
19060500422	6/5/2019	18.1	9,860	62,700	< 11.0	31.5	92,500	-	-	-	-	72,600	72,600
19071000356	7/10/2019	20.5	7,590	59,100	9.97	14.2	80,900	36.5	1,910	8.2	-	66,700	
19080800166	8/7/2019	18.3	8,930	65,600	< 10.9	6.85	139,000	-	-	-	-	74,500	70,600
19090400440	9/4/2019	20.3	9,310	69,700	14.2	20.5	91,600	-	-	-	-	79,000	
19100200398	10/2/2019	19.9	9,400	59,300	< 10.1	26.5	79,500	36.8	1,800	8.5	-	68,700	73,900
19110600433	11/6/2019	16.9	9,340	63,700	< 11.8	26.1	83,400	-	-	-	-	73,100	
19120400450	12/4/2019	17.9	8,800	56,500	< 11.1	14.7	102,000	-	-	-	-	65,300	69,200
MEAN		**18.9**	**8,600**	**62,000**	**12.8**	**23.1**	**94,700**	**36.5**	**1,758**	**8.3**	**ND**		
MAX			**9,860**	**69,700**	**69.9**	**43.0**	**139,000**	**38.4**	**1,910**	**8.5**	**ND**		

ND = Not Detected
\ = No limit
Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.
*Test is required for municipal solid waste landfills only. Holloway is a class III non-hazardous Industrial Waste Landfill and does not require the Paint Filter Test; therefore, this test is no longer performed.
** = Results for Cu and Zn have been updated, there was a dilution error previously.

4th Quarter 2019 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
19010900373	1/9/2019	40.3	0.02	< 0.05	3.7	< 0.01	< 0.005	0.10	< 0.04	< 0.10
19040300418	4/2/2019	36.1	0.02	< 0.05	3.5	< 0.01	0.006	0.11	< 0.04	< 0.10
19071000358	7/10/2019	37.0	0.02	< 0.05	3.0	< 0.01	0.006	0.10	< 0.04	< 0.10
19100200400	10/2/2019	43.0	0.02	< 0.05	3.4	< 0.01	< 0.005	0.09	< 0.04	< 0.10
MEAN		**39.1**	**0.02**	**ND**	**3.4**	**ND**	**0.004**	**0.10**	**ND**	**ND**
MAX		**43.0**	**0.02**	**ND**	**3.7**	**ND**	**0.006**	**0.11**	**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
19010900373	1/9/2019	0.02	< 0.0015	0.07	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.43	8.22
19040300418	4/2/2019	0.06	< 0.001	0.07	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.41	8.20
19071000358	7/10/2019	0.06	< 0.005	0.06	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.34	8.36
19100200400	10/2/2019	0.05	< 0.005	0.07	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.37	7.90
MEAN		**0.05**	**ND**	**0.07**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.39**	**8.17**
MAX		**0.06**	**ND**	**0.07**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.43**	**8.36**
TITLE 22 STLCs		**5.0**	**0.2**	**350**	**20**	**1.0**	**5**	**7.0**	****	**24**	**250**

ND = Not Detected

\ = No limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

2019 BIOSOLIDS MANAGEMENT PROGRAM

VALENCIA WATER RECLAMATION PLANT
Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)	VSD Bi-Monthly Avg (%)
January	98.3	38	64	
February	98.2	39	57	61
March	98.3	37	69	
April	98.4	38	65	67
May	98.4	39	66	
June	98.4	40	64	65
July	98.4	40	63	
August	98.3	44	60	62
September	98.5	40	60	
October	98.4	39	63	62
November	98.3	40	63	
December	98.4	39	65	63
MEAN	**98.4**	**39**	**63**	
MIN	**98.2**	**37**	**57**	

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

Date	1/9/2019	4/2/2019	7/10/2019	10/2/2019
Sample Number(s)	19010900371	19040300417	19071000356	19100200398
	19010900372	19040300361	19071000357	19100200399
Constituent	**Result**	**Result**	**Result**	**Result**
Total Cyanide	3.51	2.38	5.84	5.17
Total Chromium	14.5	16.1	15.4	13.6
Arsenic	4.51	4.11	4.01	4.17
Antimony	2.21	1.90	2.51	2.85
Beryllium	0.06	0.06	0.07	0.05
Cadmium	1.4	1.7	2.0	2.0
Copper	934	901	940	927
Lead	8.02	7.56	7.85	7.98
Mercury	0.48	0.58	0.51	0.51
Nickel	18.2	19.5	19.0	18.4
Selenium	5.6	6.4	5.8	5.9
Silver	2.9	4.1	3.7	4.4
Zinc	769	747	847	914
Endrin	0.047	0.039	ND	ND

VALENCIA WATER RECLAMATION PLANT
2019 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	19010900370	19040300417	19071000354	19100200396	
	19010900371	19040300418	19071000355	19100200397	
	19010900372	19040300360	19071000356	19100200398	
		19040300361	19071000357	19100200399	
Sample Date	01/09/19	04/02/19	07/10/19	10/02/19	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
TOTAL CYANIDE	3.51	2.38	5.84	5.17	MG/KG
TOTAL CHROMIUM	14.5	16.1	15.4	13.6	MG/KG
TOTAL SOLIDS	20.2	17.6	20.5	19.9	%
ARSENIC	4.51	4.11	4.01	4.17	MG/KG
CADMIUM	1.4	1.7	2.0	2.0	MG/KG
COPPER	934	901	940	927	MG/KG
LEAD	8.02	7.56	7.85	7.98	MG/KG
MERCURY	0.48	0.58	0.51	0.51	MG/KG
NICKEL	18.2	19.5	19.0	18.4	MG/KG
SELENIUM	5.6	6.4	5.8	5.9	MG/KG
SILVER	2.9	4.1	3.7	4.4	MG/KG
ZINC	769	747	847	914	MG/KG
ANTIMONY	2.21	1.90	2.51	2.85	MG/KG
BERYLLIUM	0.06	0.06	0.07	0.05	MG/KG
THALLIUM	< 0.2	< 0.2	< 0.20	< 0.20	MG/KG
COBALT	2.78	2.42	2.56	2.53	MG/KG
BARIUM	237	253	234	237	MG/KG
MANGANESE	108	111	105	103	MG/KG
MOLYBDENUM	10.9	10.0	11.8	10.6	MG/KG
VANADIUM	40.4	40.0	35.5	37.9	MG/KG
PHENOLS	< 22.0	680	47	< 81	MG/KG
FLUORIDE	16.0	12.0	9.5	9.4	MG/KG
TOTAL ORGANIC CARBON	2,300,000	379,000	374,000	349,000	MG/KG
TOTAL ORGANIC HALOGEN (TOX)	< 280	< 240	< 260	< 250	MG/KG
ETHYL PARATHION	< 14.000	< 22.000	< 2.5	< 2.3	MG/KG
DEMETON	< 14.000	< 22.000	< 2.5	< 2.3	MG/KG
GUTHION	< 14.000	< 22.000	< 2.5	< 2.3	MG/KG
MALATHION	< 14.000	< 22.000	< 2.5	< 2.3	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	0.047	0.039	< 0.025	< 0.025	MG/KG
TOXAPHENE	< 0.350	< 0.350	< 0.350	< 0.350	MG/KG
METHOXYCLOR	< 0.025	< 0.025	0.029	< 0.025	MG/KG
2,4-D(ACID)	< 1.900	< 1.800	< 1.800	< 1.800	MG/KG
2,4,5-TP(SILVEX)	< 1.900	< 1.800	< 1.800	< 1.800	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	< 0.015	< 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

VALENCIA WATER RECLAMATION PLANT
2019 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	19010900370	19040300417	19071000354	19100200396	
	19010900371	19040300418	19071000355	19100200397	
	19010900372	19040300360	19071000356	19100200398	
		19040300361	19071000357	19100200399	
Sample Date	01/09/19	04/02/19	07/10/19	10/02/19	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
MIREX	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
METHYLENE CHLORIDE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
CHLOROFORM	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
1,1,1-TRICHLOROETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
CARBON TETRACHLORIDE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
1,1-DICHLOROETHENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
TRICHLOROETHYLENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
TETRACHLOROETHYLENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
BROMODICHLOROMETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
DIBROMOCHLOROMETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
BROMOFORM	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
CHLOROBENZENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
VINYL CHLORIDE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
O-DICHLOROBENZENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
M-DICHLOROBENZENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
P-DICHLOROBENZENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
1,1-DICHLOROETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
1,1,2-TRICHLOROETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
1,2-DICHLOROETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
BENZENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
TOLUENE	< 0.094	< 0.11***	< 0.055	< 0.082	MG/KG
ETHYL BENZENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
BROMOMETHANE	< 0.094	< 0.170	< 0.055	< 0.082	MG/KG
CHLOROETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
2-CHLOROETHYLVINYLETHER	< 0.094	< 0.170	< 0.055	< 0.082	MG/KG
CHLOROMETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
1,2-DICHLOROPROPANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
ACROLEIN	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
ACRYLONITRILE	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
FREON 12 (CCL2F2)	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
FREON 11 (CCL3F)	< 0.094	< 0.085	< 0.055	< 0.082	MG/KG
2-BUTANONE	< 1.700	< 11.000	2.500	0.370	MG/KG
2,4,5-TRICHLOROPHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
ACENAPHTHENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
ACENAPHTHYLENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
ANTHRACENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BENZIDINE	< 268	< 254	< 276	< 245	MG/KG
BENZO(A)ANTHRACENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BENZO(A)PYRENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BENZO(B)FLUORANTHENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BENZO(G.H.I.)PERYLENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BENZO(K)FLUORANTHENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
DIETHYLHEXYL PHTHALATE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
4-BROMOPHENYL PHENYLETHER	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
BUTYLBENZYL PHTHALATE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2-CHLORONAPHTHALENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
CHRYSENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
DIBENZO(A,H)ANTHRACENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
1,2-DICHLOROBENZENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
1,3-DICHLOROBENZENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
1,4-DICHLOROBENZENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG

VALENCIA WATER RECLAMATION PLANT
2019 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	19010900370	19040300417	19071000354	19100200396	
	19010900371	19040300418	19071000355	19100200397	
	19010900372	19040300360	19071000356	19100200398	
		19040300361	19071000357	19100200399	
Sample Date	01/09/19	04/02/19	07/10/19	10/02/19	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
3,3'-DICHLOROBENZIDINE	< 107	< 101	< 110	< 98.0	MG/KG
DIETHYL PHTHALATE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
DIMETHYL PHTHALATE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
DI-N-BUTYL PHTHALATE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2,4-DINITROTOLUENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2,6-DINITROTOLUENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
DI-N-OCTYL PHTHALATE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
1,2-DIPHENYLHYDRAZINE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
1,2,4-TRICHLOROBENZENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2,3,7,8-TCDD	< 0.0099 *	< 0.0087 **	< 0.00010	< 0.00011	MG/KG
2,4,6-TRICHLOROPHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2,4-DICHLOROPHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2,4-DIMETHYLPHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2,4-DINITROPHENOL	< 107.0	< 101.0	< 110	< 98.0	MG/KG
2-CHLOROPHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2-METHYL-4,6DINITROPHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
2-NITROPHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
4-CHLORO-3-METHYLPHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
4-NITROPHENOL	< 107	< 101	< 110.0	< 98.0	MG/KG
FLUORANTHENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
FLUORENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
HEXACHLOROBENZENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
HEXACHLOROBUTADIENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 107	< 101	< 110.0	< 98.0	MG/KG
HEXACHLOROETHANE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
ISOPHORONE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
M+P CRESOL	< 107	< 101	< 110.0	< 98.0	MG/KG
NAPHTHALENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
NITROBENZENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
N-NITROSODIMETHYLAMINE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
N-NITROSODIPHENYLAMINE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
O-CRESOL	< 107	< 101	< 110.0	< 98.0	MG/KG
PENTACHLOROPHENOL	< 107	< 101	< 110.0	< 98.0	MG/KG
PHENANTHRENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
PHENOL	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
PYRENE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG
PYRIDINE	< 53.6	< 50.7	< 55.2	< 49.0	MG/KG

* = Lab ID: 19010900404

** = Lab ID: 19040300416

*** = Lab ID: 19060500423

****= Lab ID: 19080800165

Whittier Narrows WRP Influent Monitoring

Whittier Narrows Water Reclamation Plant
2019 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. 0.26						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		0.78						1.31	
Aroclor 1016	ug/L		ND						ND	
Aroclor 1221	ug/L		ND						ND	
Aroclor 1232	ug/L		ND						ND	
Aroclor 1242	ug/L		ND						ND	
Aroclor 1248	ug/L		ND						ND	
Aroclor 1254	ug/L		ND						ND	
Aroclor 1260	ug/L		ND						ND	
Arsenic	ug/L		2.07						1.64	
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	

Whittier Narrows Water Reclamation Plant
2019 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	0.19	0.50
1,1-Dichloroethylene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.12	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.23	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.63	40.0
1,2-trans-Dichloroethylene	ug/L				ND	ND	ND	EPA 624	1	0.26	0.50
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.19 - 0.51	40.0 - 200
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.17	0.50
1,3-Dichloropropene	ug/L				ND	ND	ND	EPA 624	2		
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.26	EPA 624	2	0.21	0.50
2-Chloroethylvinyl ether	ug/L				ND	ND	ND	EPA 624	1	0.19	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.41	40.0 - 400
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.18 - 0.41	40.0 - 200
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.92 - 1.3	200
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.10 - 0.31	40.0 - 400
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.43 - 2.1	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.60 - 0.63	40.0 - 200
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.44 - 0.88	40.0 - 80.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	1.5 - 2.8	200
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.37	40.0 - 200
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.21 - 0.64	40.0 - 400
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.28 - 0.50	40.0 - 200
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.44 - 0.69	40.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.54 - 0.81	40.0 - 200
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.27 - 0.58	40.0 - 200
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.32 - 0.63	40.0 - 200
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	1.3 - 1.6	200
4,4-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.10
4,4-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
Acenaphthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.22 - 0.50	40.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.50	40.0 - 400
Acrolein	ug/L				ND	ND	ND	EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.50	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.002	0.10
alpha-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.10
Anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.56	40.0 - 400
Antimony	ug/L				0.78	1.0	1.31	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09 - 0.1	3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	1.0
Arsenic	ug/L				1.64	1.86	2.07	EPA 200.8	2	0.06	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.77 - 1.8	200
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.14 - 0.46	40.0 - 200
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.54	40.0 - 400
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.22 - 0.61	40.0 - 400
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.12 - 0.52	40.0 - 200

Whittier Narrows Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND						ND	
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		ND						ND	
BOD	mg/L	300	289	249	291	260	290	291	263	275
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.21						ND	
Bromoform	ug/L		ND						ND	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		0.99			1.17			DNQ Est. Conc. 0.15	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		4.1						3.9	
Chromium VI	ug/L		ND						0.40	
Chromium, total	ug/L		6.27						6.78	
Chrysene	ug/L		ND						ND	
Copper	ug/L		67.2			77.6			84.9	
Cyanide, total	ug/L		DNQ Est. Conc. 1.2						DNQ Est. Conc. 3.1	
delta-BHC	ug/L		0.09						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		DNQ Est. Conc. 0.24						ND	
Dieldrin	ug/L		ND						ND	
Diethyl phthalate	ug/L		ND						ND	
Dimethyl phthalate	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Ethylbenzene	ug/L		DNQ Est. Conc. 0.24						DNQ Est. Conc. 0.19	
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		1.98			1.98			2.89	
Mercury	ug/L		0.11			ND			0.10	
Methyl bromide (bromomethane)	ug/L		ND						ND	
Methyl chloride (chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		0.89						DNQ Est. Conc. 0.34	
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		18.8						12.5	
Nitrobenzene	ug/L		ND						ND	
P61/70/74/76	pg/L								DNQ Est. Conc. 680	

Whittier Narrows Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.19 - 0.53	40.0 - 400
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002 - 0.004	0.05
beta-endosulfan	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.11 - 0.28	40.0 - 200
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.20 - 0.27	40.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.20 - 0.25	40.0 - 80.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.16 - 0.55	40.0 - 80.0
BOD	mg/L	252	252	317	249	277	317	SM 5210B		0.6	120
Bromodichloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.21	EPA 624	2	0.20	0.50
Bromoform	ug/L				ND	ND	ND	EPA 624	2	0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.58	40.0 - 400
Cadmium	ug/L		0.23		DNQ Est. Conc. 0.15	0.60	1.17	EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.43	0.50
Chloroform	ug/L				3.9	4.0	4.1	EPA 624	2	0.17	0.50
Chromium VI	ug/L				ND	0.20	0.40	EPA 218.6 (Dissolved)		0.02	0.05
Chromium, total	ug/L				6.27	6.53	6.78	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.16 - 0.41	40.0 - 400
Copper	ug/L		86.7		67.2	79.1	86.7	EPA 200.8	0.5	0.05	0.50
Cyanide, total	ug/L				DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 3.1	SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L				ND	0.05	0.09	EPA 608	0.005	0.001 - 0.004	0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.59	40.0 - 400
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.11 - 0.69	40.0 - 400
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.13 - 0.58	40.0 - 400
Dibromochloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.24	EPA 624	2	0.17	0.50
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.26 - 0.42	40.0 - 80.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	2	0.28 - 0.41	40.0 - 80.0
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L				DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.24	EPA 624	2	0.15	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.24 - 0.69	40.0
Fluorene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.35 - 0.58	40.0 - 400
gamma-BHC	ug/L				ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.47	40.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.33 - 0.96	40.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.53 - 2.0	200
Hexachloroethane	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.81	40.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.12 - 0.53	40.0 - 400
Isophorone	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.11 - 0.28	40.0
Lead	ug/L		2.22		1.98	2.27	2.89	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L		0.04		ND	0.06	0.11	EPA 245.1	0.5	0.012 - 0.017	0.04 - 0.050
Methyl bromide (bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.48	0.50
Methyl chloride (chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.34	0.45	0.89	EPA 624	2	0.30	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.36 - 0.50	40.0 - 200
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.34 - 0.50	200
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.28 - 0.64	40.0
Naphthalene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.13 - 0.20	40.0
Nickel	ug/L				12.5	15.7	18.8	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	1	0.17 - 0.31	40.0
P61/70/74/76	pg/L				DNQ Est. Conc. 680	ND	DNQ Est. Conc. 680	EPA 1668		10	810

Whittier Narrows Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-105	pg/L								930	
PCB-110	pg/L								1410	
PCB-114	pg/L								ND	
PCB-118	pg/L								2000	
PCB-119	pg/L								19	
PCB-123	pg/L								ND	
PCB-126	pg/L								ND	
PCB138/163/164	pg/L								3680(1)	
PCB087/117/125	pg/L								540(1)	
PCB-139/149	pg/L								3150(1)	
PCB-151	pg/L								1180	
PCB-153	pg/L								3610(1)	
PCB-156	pg/L								315	
PCB-157	pg/L								47	
PCB-158	pg/L								440	
PCB-167	pg/L								190	
PCB-168	pg/L								ND	
PCB-169	pg/L								ND	
PCB-170	pg/L								2000	
PCB-177	pg/L								920	
PCB-183	pg/L								1200	
PCB-187	pg/L								1400	
PCB-189	pg/L								61	
PCB-194	pg/L								1300	
PCB-201	pg/L								DNQ Est. Conc. 85	
PCB-206	pg/L								480	
PCB-37	pg/L								DNQ Est. Conc. 75	
PCB-52	pg/L								1100	
PCB-66	pg/L								260	
PCB-77	pg/L								76	
PCB-81	pg/L								ND	
PCB-99	pg/L								570	
PCB128/166	pg/L								DNQ Est. Conc. 390	
PCB18/30	pg/L								DNQ Est. Conc. 140	
PCB20/28	pg/L								DNQ Est. Conc. 230	
PCB44/47/65	pg/L								DNQ Est. Conc. 530(1)	
PCB49/69	pg/L								DNQ Est. Conc. 230	
PCB90/101	pg/L								1830(1)	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		DNQ Est. Conc. 17.8						DNQ Est. Conc. 29.0	
pH	SU	8.0	8.1	7.9	7.9	7.8	7.9	7.7	7.6	7.6
Pyrene	ug/L		ND						ND	
Selenium	ug/L		1.37						1.05	
Silver	ug/L		0.31						2.47	
Technical chlordane	ug/L		ND						ND	
Tetrachloroethylene	ug/L		DNQ Est. Conc. 0.37						ND	
Thallium	ug/L		ND						ND	
Toluene	ug/L		0.52						1.7	
total suspended solids	mg/L	399	314	290	265	308	349	316	265	295
Toxaphene	ug/L		ND						ND	
Trichloroethylene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		199			184			233	

Whittier Narrows Water Reclamation Plant
2019 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-105	pg/L				930	930	930	EPA 1668		37	37
PCB-110	pg/L				1410	1410	1410	EPA 1668		5.43	0.868
PCB-114	pg/L				ND	ND	ND	EPA 1668		35	35
PCB-118	pg/L				2000	2000	2000	EPA 1668		36	36
PCB-119	pg/L				19	19	19	EPA 1668		5.43	1.7
PCB-123	pg/L				ND	ND	ND	EPA 1668		37	37
PCB-126	pg/L				ND	ND	ND	EPA 1668		39	39
PCB138/163/164	pg/L				3680(1)	3680	3680(1)	EPA 1668		16.3	4.34
PCB087/117/125	pg/L				540(1)	540	540(1)	EPA 1668		16.3	6.63
PCB-139/149	pg/L				3150(1)	3150	3150(1)	EPA 1668		10.9	3.92
PCB-151	pg/L				1180	1180	1180	EPA 1668		5.43	2.63
PCB-153	pg/L				3610(1)	3610	3610(1)	EPA 1668		5.43	1.98
PCB-156	pg/L				315	315	315	EPA 1668		5.43	1.91
PCB-157	pg/L				47	47	47	EPA 1668		5.43	1.24
PCB-158	pg/L				440	440	440	EPA 1668		18	200
PCB-167	pg/L				190	190	190	EPA 1668		17	20
PCB-168	pg/L				ND	ND	ND	EPA 1668		5.43	1.13
PCB-169	pg/L				ND	ND	ND	EPA 1668		18	20
PCB-170	pg/L				2000	2000	2000	EPA 1668		39	200
PCB-177	pg/L				920	920	920	EPA 1668		29	200
PCB-183	pg/L				1200	1200	1200	EPA 1668		30	200
PCB-187	pg/L				1400	1400	1400	EPA 1668		4.2	200
PCB-189	pg/L				61	61	61	EPA 1668		5.5	20
PCB-194	pg/L				1300	1300	1300	EPA 1668		11	200
PCB-201	pg/L				DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85	EPA 1668		10	200
PCB-206	pg/L				480	480	480	EPA 1668		18	200
PCB-37	pg/L				DNQ Est. Conc. 75	ND	DNQ Est. Conc. 75	EPA 1668		18	200
PCB-52	pg/L				1100	1100	1100	EPA 1668		19	200
PCB-66	pg/L				260	260	260	EPA 1668		11	200
PCB-77	pg/L				76	76	76	EPA 1668		14	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		12	20
PCB-99	pg/L				570	570	570	EPA 1668		34	200
PCB128/166	pg/L				DNQ Est. Conc. 390	ND	DNQ Est. Conc. 390	EPA 1668		20	400
PCB18/30	pg/L				DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		12	400
PCB20/28	pg/L				DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668		14	400
PCB44/47/65	pg/L				DNQ Est. Conc. 530(1)	ND	DNQ Est. Conc. 530(1)	EPA 1668		18	610
PCB49/69	pg/L				DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668		17	400
PCB90/101	pg/L				1830(1)	1830	1830(1)	EPA 1668		10.9	4.97
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.62 - 0.82	40.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	5	0.31 - 0.59	40.0 - 200
Phenol	ug/L				DNQ Est. Conc. 17.8	ND	DNQ Est. Conc. 29.0	EPA 625 & EPA 625.1	1	0.12 - 0.24	40.0
pH	SU	7.6	7.7	7.7	7.6	7.8	8.1	SM 4500 H+ B		1.00	1.00
Pyrene	ug/L				ND	ND	ND	EPA 625 & EPA 625.1	10	0.28 - 0.60	40.0 - 400
Selenium	ug/L				1.05	1.21	1.37	EPA 200.8	2	0.02	1.00
Silver	ug/L				0.31	1.4	2.47	EPA 200.8	0.25	0.02	0.20
Technical chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.50
Tetrachloroethylene	ug/L				ND	ND	DNQ Est. Conc. 0.37	EPA 624	2	0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L				0.52	1.1	1.7	EPA 624	2	0.17	0.50
total suspended solids	mg/L	243	276	298	243	302	399	SM 2540D		2.5	50.0 - 83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	5.0
Trichloroethylene	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.42	0.50
Zinc	ug/L		174		174	198	233	EPA 200.8	1	0.70	1.00 - 10.0

(1) Blank contamination observed.

Whittier Narrows WRP Effluent Monitoring

Whittier Narrows Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND		ND		ND		ND	
1,1-Dichloroethylene	ug/L		ND		ND		ND		ND	
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND	
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,2-Dichloroethane	ug/L		ND		ND		ND		ND	
1,2-Dichloropropane	ug/L		ND		ND		ND		ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND	
1,2,3-Trichloropropane	ug/L		ND						ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND(1)			ND			ND(1)	
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND(1)			ND			ND(1)	
1,2,3,4,7,8-HexaCDD	pg/L		ND(1)			ND			ND	
1,2,3,4,7,8-HexaCDF	pg/L		ND(1)			ND			ND	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND(1)			ND			ND(1)	
1,2,3,6,7,8-HexaCDD	pg/L		ND(1)			ND			ND	
1,2,3,6,7,8-HexaCDF	pg/L		ND			ND			ND	
1,2,3,7,8-PentaCDD	pg/L		ND(1)			ND			ND	
1,2,3,7,8-PentaCDF	pg/L		ND(1)			ND			DNQ Est. Conc. 2.2(2)	
1,2,3,7,8,9-HexaCDD	pg/L		ND(1)			ND			ND(1)	
1,2,3,7,8,9-HexaCDF	pg/L		ND(1)			ND			ND(1)	
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND	
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,3-Dichloropropene	ug/L		ND		ND		ND		ND	
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,4-Dioxane	ug/L		0.98						1.2	
2-Chloroethyl vinyl ether	ug/L		ND		ND		ND		ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND						ND	
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.29(2)			ND			ND	
2,3,4,7,8-PentaCDF	pg/L		ND			ND			ND	
2,3,7,8-TCDD	pg/L		ND			ND	DNQ Est. Conc. 3.0		ND	
2,3,7,8-TetraCDF	pg/L		ND(1)			ND			ND(1)	
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	
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.21		ND		DNQ Est. Conc. 0.24		ND	
2,4'-D	ug/L		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	
4,4-DDE	ug/L		ND		ND		ND		ND	
4,4-DDT	ug/L		ND		ND		ND		ND	
P86/87/97/108/119/125	pg/L								DNQ Est. Conc. 9.0	
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	
alpha-BHC	ug/L		ND		ND		ND		ND	
alpha-Endosulfan	ug/L		ND						ND	
Ammonia nitrogen	mg/L	0.289	0.318	0.295	0.286	0.472	0.342	0.259	0.315	0.312
Anthracene	ug/L		ND		ND	ND	ND		ND	
Antimony	ug/L		0.82			0.51	DNQ Est. Conc. 0.48		0.55	
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	
Aroclor 1248	ug/L		ND		ND		ND		ND	
Aroclor 1254	ug/L		ND		ND		ND		ND	
Aroclor 1260	ug/L		ND		ND		ND		ND	

Whittier Narrows Water Reclamation Plant
2019 EFF-001 and Reuse 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	ND	ND			EPA 624 & EPA 624.1	1	0.08 - 0.19	0.50
1,1-Dichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.32	0.50
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.16 - 0.33	0.50
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.12 - 0.13	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.21 - 0.23	0.50
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.22	0.50
1,2-Dichloropropane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.14 - 0.15	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.63	1.0
1,2-trans-Dichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.06 - 0.26	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			ND(1)	ND(1)	ND	ND(1)			EPA 1613B		0.22 - 1.1	51 - 55
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND(1)	ND(1)	ND	ND(1)			EPA 1613B		0.26 - 0.73	51 - 55
1,2,3,4,7,8-HexaCDD	pg/L			ND(1)	ND(1)	ND	ND(1)			EPA 1613B		0.21 - 1.4	51 - 55
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND	ND			EPA 1613B		0.32 - 2.6	51 - 55
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND(1)	ND	ND(1)			EPA 1613B		0.31 - 0.91	51 - 55
1,2,3,6,7,8-HexaCDD	pg/L			ND(1)	ND(1)	ND	ND(1)			EPA 1613B		0.19 - 1.3	51 - 55
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND	ND			EPA 1613B		0.32 - 2.5	51 - 55
1,2,3,7,8-PentaCDD	pg/L			ND	ND(1)	ND	ND(1)			EPA 1613B		0.21 - 1.8	51 - 55
1,2,3,7,8-PentaCDF	pg/L			ND	ND(1)	ND	DNQ Est. Conc. 2.2(2)			EPA 1613B		0.19 - 1.1	51 - 55
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND(1)	ND	ND(1)			EPA 1613B		0.18 - 1.2	51 - 55
1,2,3,7,8,9-HexaCDF	pg/L			ND(1)	ND(1)	ND	ND(1)			EPA 1613B		0.18 - 1.6	51 - 55
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.19 - 0.51	1.0 - 5.0
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
1,3-Dichloropropene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2		
1,4-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.21 - 0.25	0.50
1,4-Dioxane	ug/L				0.98	1.1	1.2			SW-846 8270MOD		0.19	0.40
2-Chloroethyl vinyl ether	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	1	0.19 - 0.28	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.13 - 0.41	1.0 - 10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.18 - 0.41	1.0 - 5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.92 - 1.3	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.10 - 0.31	1.0 - 10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND	DNQ Est. Conc. 0.29(2)			EPA 1613B		0.20 - 1.8	51 - 55
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND	ND			EPA 1613B		0.21 - 1.1	51 - 55
2,3,7,8-TCDD	pg/L			ND	ND	ND	DNQ Est. Conc. 3.0	0.28	1.4	EPA 1613B		0.55 - 2.4	0.00001
2,3,7,8-TetraCDF	pg/L			ND(1)	ND(1)	ND	ND(1)			EPA 1613B		0.13 - 0.99	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.60 - 0.63	1.0 - 5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.44 - 0.88	1.0 - 2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	1.5 - 2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.37	1.0 - 5.0
2,4,5-TP (Silvex)	mg/L	ND		ND	ND	ND	ND			EPA515.4/SW-846 8151A		0.000090-0.00020	0.00020-0.0012
2,4,6-Trichlorophenol	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.24			EPA 625 & EPA 625.1	10	0.21 - 0.64	1.0 - 10.0
2,4'-D	ug/L	ND		ND	ND	ND	ND			EPA 515.4/SW-846 8151A		0.070 - 0.62	0.40 - 4.7
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.28 - 0.50	1.0 - 5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.44 - 0.69	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.54 - 0.81	1.0 - 5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.27 - 0.58	1.0 - 5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.32 - 0.63	1.0 - 5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	1.3 - 1.6	5.0
4,4-DDD	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.0070	0.01 - 0.50
4,4-DDE	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.0070	0.01 - 0.50
4,4-DDT	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.011	0.01 - 0.50
P86/87/97/108/119/125	pg/L				DNQ Est. Conc. 9.0	ND	DNQ Est. Conc. 9.0			EPA 1668		1.2	1200
Acenaphthene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.22 - 0.50	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.19 - 0.50	1.0 - 10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.70	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.50	2.0
Aldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.010	0.005 - 0.50
alpha-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0005 - 0.011	0.01 - 0.50
alpha-Endosulfan	ug/L	ND			ND	ND	ND			EPA 608	0.02	0.001 - 0.0090	0.01 - 0.50
Ammonia nitrogen	mg/L	0.531	0.310	0.470	0.259	0.350	0.531	9.0(3)1.6(4)/10.1(5)	3.4(3)4.4(4)/3.9(5)	SM 4500 NH3 G		0.020	0.100
Anthracene	ug/L	ND	ND	ND	ND	ND	ND			EPA 610 & EPA 625	10	0.004 - 0.56	0.020 - 10.0
Antimony	ug/L		0.53	DNQ Est. Conc. 0.40	DNQ Est. Conc. 0.40	0.40	0.82			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.29	0.1 - 10
Aroclor 1221	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.08 - 0.60	0.5 - 10
Aroclor 1232	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.08 - 1.5	0.3 - 10
Aroclor 1242	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.70	0.1 - 10
Aroclor 1248	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.60	0.1 - 10
Aroclor 1254	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.40	0.05 - 10
Aroclor 1260	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.55	0.1 - 10

Whittier Narrows Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Arsenic	ug/L		1.05			DNQ Est. Conc. 0.74	DNQ Est. Conc. 0.63		DNQ Est. Conc. 0.86	
Barium	ug/L		48.0			38.9	26.6		20.6	
Benzene	ug/L		ND		ND		ND		ND	
Benzidine	ug/L		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
Beryllium	ug/L		ND			ND	ND		ND	
beta-BHC	ug/L		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	
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.26	0.22	0.27	0.28	0.28	0.30	0.29	0.27	0.27
Bromodichloromethane	ug/L		7.5		5.0		4.6		7.1	
Bromoform	ug/L		ND		ND		ND		DNQ Est. Conc. 0.32	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L	DNQ Est. Conc. 0.040	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.037	DNQ Est. Conc. 0.028	DNQ Est. Conc. 0.045	DNQ Est. Conc. 0.029	ND	ND	ND
Carbon tetrachloride	ug/L		ND		ND		ND		ND	
Chloride	mg/L	117	117	129	121	109	112	114	106	104
Chlorobenzene	ug/L		ND		ND		ND		ND	
Chloroethane	ug/L		ND		ND		ND		ND	
Chloroform	ug/L		17.7		9.0		10.8		10.1	
Chromium III	ug/L		0.68			0.81	0.94		0.89	
Chromium VI	ug/L		0.08			0.062	0.07		0.07	
Chromium, total (24-hr composite)	ug/L		0.86			0.90	0.88		0.81	
Chromium, total (Grab)	ug/L		0.76			0.87	1.01		0.96	
Chrysene	ug/L		ND						ND	
Copper	ug/L	3.44	3.44	3.08	2.74	3.69	2.76	3.27	4.06	4.19
Cyanide, total	ug/L		ND			ND	ND		ND	
delta-BHC	ug/L		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
Dibromochloromethane	ug/L		2.8		1.5		1.3		3.0	
Dieldrin	ug/L		ND		ND		ND		ND	
Diethyl phthalate	ug/L		DNQ Est. Conc. 1.1						ND	
Dimethyl phthalate	ug/L		ND						ND	
Dissolved oxygen	mg/L	6.8	6.2	6.6	7.0	6.7	6.5	6.4	6.0	6.1
E. coli	No./100mL	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	
Ethylbenzene	ug/L		ND		ND		ND		ND	
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND	
Fluorene	ug/L		ND		ND		ND		ND	
Fluoride	mg/L	0.614	0.520	0.647	0.638	0.679	0.565	0.619	0.618	0.611
gamma-BHC	ug/L		0.01		ND		ND		ND	
Gross alpha radioactivity	pCi/L		2.99				2.99		ND	
Gross beta radioactivity	pCi/L		11.0				13.1		12.0	
Heptachlor epoxide	ug/L		ND		ND		ND		ND	
Heptachlor	ug/L		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
Iron	ug/L		51.5				27.8		39.4	
Isophorone	ug/L		ND						ND	
Lead	ug/L	DNQ Est. Conc. 0.22	0.32	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.18
Mercury	ug/L	0.0021	0.00206		0.0017		0.0013	0.0015	0.0013	0.0011
Methoxychlor	ug/L		ND		ND		ND			
Methyl bromide (bromomethane)	ug/L		ND		ND		ND		ND	
Methyl chloride (chloromethane)	ug/L		ND		ND		ND		ND	

Whittier Narrows Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Arsenic	ug/L		DNQ Est. Conc. 0.72	DNQ Est. Conc. 0.66	DNQ Est. Conc. 0.63	0.18	1.05			EPA 200.8	2	0.06	1.00
Barium	ug/L		14.6	33.6	14.6	30.4	48.0			EPA 200.8		0.06 - 0.24	0.50
Benzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.09 - 0.15	0.50
Benzidine	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.77 - 1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.14 - 0.46	1.0 - 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 - 0.015	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.12 - 0.52	1.0 - 5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005 - 0.014	0.020
Beryllium	ug/L		ND	ND	ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.015	0.005 - 0.50
beta-Endosulfan	ug/L	ND			ND	ND	ND			EPA 608	0.01	0.001 - 0.0070	0.01 - 0.50
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	5	0.11 - 0.28	1.0 - 5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.20 - 0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.20 - 0.25	1.0 - 2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.16 - 1.1	1.0 - 3.0
BOD	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.27	0.25	0.29	0.22	0.27	0.30		1.0(6)	EPA 200.8		0.008 - 0.017	0.020
Bromodichloromethane	ug/L	6.0		5.5	4.6	6.0	7.5			EPA 624 & EPA 624.1	2	0.11 - 0.20	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.26		DNQ Est. Conc. 0.28	ND	ND	DNQ Est. Conc. 0.32			EPA 624 & EPA 624.1	2	0.18 - 0.23	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.58	1.0 - 10.0
Cadmium	ug/L	ND	ND	DNQ Est. Conc. 0.12	ND	ND	DNQ Est. Conc. 0.12	3.5(8)	1.1(8)	EPA 200.8	0.25	0.010 - 0.066	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.19	0.50
Chloride	mg/L	107	109	105	104	113	129		180	EPA 300.0		0.040 - 0.120	10.0
Chlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.10 - 0.22	0.50
Chloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.31 - 0.43	0.50
Chloroform	ug/L	11.0		9.2	9.0	11	17.7			EPA 624 & EPA 624.1	2	0.08 - 0.17	0.50
Chromium III	ug/L		0.90	0.98	0.68	0.87	0.98			EPA 200.8			0.50
Chromium VI	ug/L		0.05	0.06	0.05	0.07	0.08			EPA 218.6 (Diss.)		0.0048 - 0.02	0.020 - 0.05
Chromium, total (24-hr composite)	ug/L		1.01	0.73	0.73	0.87	1.01			EPA 200.8	0.5	0.10	0.50
Chromium, total (Grab)	ug/L		0.95	1.04	0.76	0.93	1.04			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				0.76	ND	0.76			EPA 610	10	0.005 - 0.014	0.020
Copper	ug/L	3.45	2.95	3.30	2.74	3.36	4.19	16.8(5)/21.7(6)	13(5)/16.8(6)	EPA 200.8	0.5	0.05	0.50
Cyanide, total	ug/L		DNQ Est. Conc. 1.05	ND	ND	ND	DNQ Est. Conc. 1.05			SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.001 - 0.019	0.005 - 0.50
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.12 - 0.59	1.0 - 10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.11 - 0.69	1.0 - 10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004 - 0.014	0.020
Dibromochloromethane	ug/L	1.7		1.7	1.3	2.0	3.0			EPA 624 & EPA 624.1	2	0.11 - 0.17	0.50
Dieldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0009 - 0.0080	0.01 - 0.50
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 1.1			EPA 625 & EPA 625.1	2	0.26 - 0.42	1.0 - 2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	2	0.28 - 0.41	1.0 - 2.0
Dissolved oxygen	mg/L	6.0	6.8	7.2	6.0	6.5	7.2			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	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 - 0.013	0.01 - 0.50
Endrin aldehyde	ug/L	ND			ND	ND	ND			EPA 608	0.01	0.001 - 0.019	0.01 - 0.50
Endrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.017	0.01 - 0.50
Ethylbenzene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	1	0.24 - 0.69	1.0
Fluorene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	10	0.35 - 0.58	1.0 - 10.0
Fluoride	mg/L	0.528	0.612	0.630	0.520	0.607	0.679			SM 4500 F C		0.004 - 0.049	0.100
gamma-BHC	ug/L	ND		DNQ Est. Conc. 0.003	ND	0.002	0.01			EPA 608	0.02	0.0009 - 0.0040	0.01 - 0.50
Gross alpha radioactivity	pCi/L			ND	ND	1.50	2.99		15	EPA 900.0		1.79 - 3.85	3.00 - 3.85
Gross beta radioactivity	pCi/L			12.4	11.0	12.1	13.1			EPA 900.0		1.17 - 2.11	4.00
Heptachlor epoxide	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.005	0.01 - 0.50
Heptachlor	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.0060	0.01 - 0.50
Hexachlorobenzene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625		0.0030 - 0.47	0.050 - 1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.33 - 0.96	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625		0.014 - 2.0	0.050 - 5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.81	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 - 0.013	0.020
Iron	ug/L			44.1	27.8	40.7	51.5		300	EPA 200.8		3.2	20.0
Isophorone	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.11 - 0.28	1.0
Lead	ug/L	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.18	0.027	0.32	166(7)/62(8)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0011	0.0010	0.0014	0.0010	0.0015	0.0021	0.095(5)(9)	0.051(9)	EPA 1631E		0.000047-0.00031	0.00050
Methoxychlor	ug/L	ND		ND	ND	ND	ND			EPA 608		0.001 - 0.014	0.01 - 0.50
Methyl bromide (bromomethane)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.48	0.50
Methyl chloride (chloromethane)	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.41 - 0.42	0.50

Whittier Narrows Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
Methyl tert-butyl ether	ug/L		ND				ND		ND	
Methylene chloride	ug/L		ND		ND		ND		ND	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L	0.026	0.036	0.027	0.040	0.040	0.018	0.019	0.017	0.021
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		7.06			2.89	8.58		3.29	
Nitrate + nitrite as nitrogen	mg/L	7.16	6.49	6.44	6.26	7.14	6.41	5.67	7.81	6.80
Nitrate nitrogen	mg/L	7.12	6.46	6.40	6.23	7.02	6.36	5.62	7.77	6.74
Nitrite nitrogen	mg/L	0.039	0.032	0.037	0.033	0.120	0.057	0.047	0.044	0.063
Nitrobenzene	ug/L		ND						ND	
OctaCDD	pg/L		ND			ND			ND(1)	
OctaCDF	pg/L		ND			ND			ND(1)	
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	ND	0.424	0.855	0.894	1.18	0.348	0.751	0.745	ND
P61/70/74/76	pg/L								DNQ Est. Conc. 9.3	
P90/101/113	pg/L								DNQ Est. Conc. 15	
PCB-105	pg/L								DNQ Est. Conc. 2.9	
PCB-114	pg/L								ND	
PCB-118	pg/L								DNQ Est. Conc. 7.9(2)	
PCB-123	pg/L								ND	
PCB-126	pg/L								ND	
P129/138/163	pg/L								DNQ Est. Conc. 12(1)	
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								DNQ Est. Conc. 2.4	
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. 16	
PCB-66	pg/L								DNQ Est. Conc. 2.8	
PCB-77	pg/L								ND	
PCB-81	pg/L								ND	
PCB-99	pg/L								ND	
PCB110/115	pg/L								DNQ Est. Conc. 9.8	
PCB128/166	pg/L								ND	
PCB135/151	pg/L								DNQ Est. Conc. 8.3	
PCB147/149	pg/L								DNQ Est. Conc. 12(1)	
PCB153/168	pg/L								DNQ Est. Conc. 11(1)	
PCB156/157	pg/L								ND	
PCB18/30	pg/L								ND	
PCB180/193	pg/L								DNQ Est. Conc. 5.3	
PCB20/28	pg/L								ND	
PCB44/47/65	pg/L								ND	
PCB49/69	pg/L								DNQ Est. Conc. 2.7	
Pentachlorophenol	ug/L		ND		ND		ND		ND	
Perchlorate	ug/L	0.18	0.34	0.22	0.2	0.17	0.11	0.23	0.58	0.65
Phenanthrene	ug/L		ND		ND		ND		ND	
Phenol	ug/L		DNQ Est. Conc. 0.20		DNQ Est. Conc. 0.14		DNQ Est. Conc. 0.39		DNQ Est. Conc. 0.26	
pH	SU	7.4	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.4
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	pg/L		ND		ND		ND		ND	
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L								ND	
Pyrene	ug/L		ND						ND	
Radium-226 + radium-228	pCi/L		ND							
Selenium	ug/L		DNQ Est. Conc. 0.75			DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.34		DNQ Est. Conc. 0.27	
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		DNQ Est. Conc. 0.03			ND	ND		ND	
Strontium-90	pCi/L		ND				ND		ND	
Sulfate	mg/L	109	138	112	120	90.8	109	110	95.8	89.4
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	0.072	ND	ND	0.062	0.068
Technical chlordane	ug/L		ND				ND		ND	
Temperature	Degrees F	72.5	70.9	73.0	76.2	77.3	79.7	82.0	83.5	83.6

Whittier Narrows Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Methyl tert-butyl ether	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1		0.08 - 0.14	0.50
Methylene chloride	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.30 - 0.46	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 1625B (Modified)		0.0006 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.013	0.010	0.0061	0.0061	0.023	0.040			EPA 1625B (Modified)		0.0005	0.0020
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 1625B (Modified)		0.0013 - 0.64	0.010 - 1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.13 - 0.20	1.0
Nickel	ug/L		5.48	5.00	2.89	5.38	8.58			EPA 200.8	1	0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	6.33	6.21	5.68	5.67	6.53	7.81		8	SM 4500 NO3 F		0.030	0.200
Nitrate nitrogen	mg/L	6.18	6.11	5.46	5.46	6.46	7.77		8	SM 4500 NO3 F		0.030	0.200
Nitrite nitrogen	mg/L	0.154	0.104	0.222	0.032	0.079	0.222		1.0	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	1	0.17 - 0.31	1.0
OctaCDD	pg/L			ND	ND(1)	ND	ND(1)			EPA 1613B		0.21 - 1.1	100 - 110
OctaCDF	pg/L			ND	ND(1)	ND	ND(1)			EPA 1613B		0.27 - 1.6	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.7
Organic nitrogen	mg/L	0.240	1.01	1.03	ND	0.623	1.18			EPA351.2/SM4500 NH3 G		0.050 - 0.170	0.200
P61/70/74/76	pg/L				DNQ Est. Conc. 9.3	ND	DNQ Est. Conc. 9.3			EPA 1668		1.5	810
P90/101/113	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15			EPA 1668		1.3	610
PCB-105	pg/L				DNQ Est. Conc. 2.9	ND	DNQ Est. Conc. 2.9			EPA 1668		1.2	20
PCB-114	pg/L				ND	ND	ND			EPA 1668		1.3	20
PCB-118	pg/L				DNQ Est. Conc. 7.9(2)	ND	DNQ Est. Conc. 7.9(2)			EPA 1668		1.2	20
PCB-123	pg/L				ND	ND	ND			EPA 1668		1.3	20
PCB-126	pg/L				ND	ND	ND			EPA 1668		1.3	20
P129/138/163	pg/L				DNQ Est. Conc. 12(1)	ND	DNQ Est. Conc. 12(1)			EPA 1668		0.98	610
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.79	200
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.97	20
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.92	20
PCB-170	pg/L				ND	ND	ND			EPA 1668		1.9	200
PCB-177	pg/L				ND	ND	ND			EPA 1668		1.4	200
PCB-183	pg/L				ND	ND	ND			EPA 1668		1.5	200
PCB-187	pg/L				DNQ Est. Conc. 2.4	ND	DNQ Est. Conc. 2.4			EPA 1668		0.80	200
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.94	20
PCB-194	pg/L				ND	ND	ND			EPA 1668		1.9	200
PCB-201	pg/L				ND	ND	ND			EPA 1668		1.8	200
PCB-206	pg/L				ND	ND	ND			EPA 1668		4.3	200
PCB-37	pg/L				ND	ND	ND			EPA 1668		3.9	200
PCB-52	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16			EPA 1668		1.8	200
PCB-66	pg/L				DNQ Est. Conc. 2.8	ND	DNQ Est. Conc. 2.8			EPA 1668		1.7	200
PCB-77	pg/L				ND	ND	ND			EPA 1668		2.0	20
PCB-81	pg/L				ND	ND	ND			EPA 1668		2.0	20
PCB-99	pg/L				ND	ND	ND			EPA 1668		1.1	200
PCB110/115	pg/L				DNQ Est. Conc. 9.8	ND	DNQ Est. Conc. 9.8			EPA 1668		0.94	400
PCB128/166	pg/L				ND	ND	ND			EPA 1668		0.91	400
PCB135/151	pg/L				DNQ Est. Conc. 8.3	ND	DNQ Est. Conc. 8.3			EPA 1668		1.0	400
PCB147/149	pg/L				DNQ Est. Conc. 12(1)	ND	DNQ Est. Conc. 12(1)			EPA 1668		0.92	400
PCB153/168	pg/L				DNQ Est. Conc. 11(1)	ND	DNQ Est. Conc. 11(1)			EPA 1668		0.82	400
PCB156/157	pg/L				ND	ND	ND			EPA 1668		1.3	40
PCB18/30	pg/L				ND	ND	ND			EPA 1668		6.0	400
PCB180/193	pg/L				DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 5.3			EPA 1668		1.4	400
PCB20/28	pg/L				ND	ND	ND			EPA 1668		3.6	400
PCB44/47/65	pg/L				ND	ND	ND			EPA 1668		1.7	610
PCB49/69	pg/L				DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7			EPA 1668		1.6	400
Pentachlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.040 - 0.82	0.20 - 1.0
Perchlorate	ug/L	0.61	0.38	0.24	0.11	0.3	0.65		6	EPA 331.0		0.0201	0.05
Phenanthrene	ug/L	ND		ND	ND	ND	ND			EPA 625 & EPA 625.1	5	0.31 - 0.59	1.0 - 5.0
Phenol	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.39			EPA 625 & EPA 625.1	1	0.12 - 0.24	1.0
pH	SU	7.4	7.3	7.4	7.2	7.3	7.4			SM 4500 H+ B		1.00	1.00
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	pg/L			ND	ND	ND	ND			EPA 608			
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				ND	ND	ND			EPA 1668			
Pyrene	ug/L				ND	ND	ND			EPA 625 & EPA 625.1	10	0.28 - 0.60	1.0 - 10.0
Radium-226 + radium-228	pCi/L			ND	ND	ND	ND			Drinking H2O Rad. Sum Method			
Selenium	ug/L		DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.36	DNQ Est. Conc. 0.25	ND	DNQ Est. Conc. 0.75			EPA 200.8	2	0.02	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	DNQ Est. Conc. 0.03			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	ND	ND	ND		8	EPA 905.0		0.273 - 0.388	3.00
Sulfate	mg/L	91.9	79.7	78.7	78.7	102	138		300	EPA 300.0		0.050 - 0.110	2.50
Surfactant (CTAS)	mg/L	ND	0.10	ND	ND	0.0083	0.10			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	0.050	ND	ND	ND	0.021	0.072		0.5	SM 5540C		0.019 - 0.03	0.050 - 0.10
Technical chlordane	ug/L	ND		ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.80	0.05 - 5.0
Temperature	Degrees F	80.7	77.4	73.2	70.9	77.5	83.6	86(10)		EPA 170.1 (oF)			

Whittier Narrows Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Tetrachloroethylene	ug/L		ND		ND		ND		ND	
Thallium	ug/L		ND			DNQ Est. Conc. 0.025	ND		ND	
Toluene	ug/L		ND		ND		ND		ND	
Total chlorinated hydrocarbons (THICH)	ug/L		0.01				ND		ND	
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	592	624	627	618	538	596	575	558	555
Total hardness	mg/L	199	207	192	193	192	201	201	177	172
Total nitrogen	mg/L	7.31	7.23	7.59	7.44	8.79	7.10	6.68	8.87	7.25
Total phosphorus	mg/L	0.174	0.085	0.120	0.087	0.099	0.080	0.111	0.130	0.144
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		ND		ND	
Toxic equivalence	ug/L		ND			ND			ND	
Trichloroethylene	ug/L		ND		ND		ND		ND	
Tritium	pCi/L		ND				ND		ND	
Turbidity (flow proportioned avg daily value)	NTU	0.36	0.40	0.40	0.35	0.35	0.32	0.35	0.32	0.30
Uranium	pCi/L		1.59				1.30		0.904	
Vinyl chloride	ug/L		ND		ND		ND		ND	
Zinc	ug/L	74.5	59.9	68.4	59.2	63.6	53.0	53.1	65.1	51.7

Whittier Narrows Water Reclamation Plant
2019 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Tetrachloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.18 - 0.25	0.50
Thallium	ug/L		ND	ND	ND	ND	DNQ Est. Conc. 0.025			EPA 200.8	1	0.010	0.25
Toluene	ug/L	0.52		DNQ Est. Conc. 0.20	ND	0.087	0.52			EPA 624 & EPA 624.1	2	0.15 - 0.17	0.50
Total chlorinated hydrocarbons (THICH)	ug/L		ND		ND	0.003	0.01			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(11)	(11)	SM 9222B		1	1
Total dissolved solids	mg/L	535	544	526	526	574	627		750	SM 2540C		2.7	45.5 - 83.3
Total hardness	mg/L	181	178	185	172	190	207			EPA 200.8 & SM 2340C		0.02	0.05 - 10
Total nitrogen	mg/L	7.10	7.53	7.18	6.68	7.51	8.87			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.101	0.103	0.124	0.080	0.11	0.174			EPA 365.1		0.009 - 0.026	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5 - 4.5
Toxaphene	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.05 - 1.2	0.5 - 20
Toxic equivalence	ug/L			ND	ND	ND	ND			EPA 1613B			
Trichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.15 - 0.26	0.50
Tritium	pCi/L			ND	ND	ND	ND			EPA 906.0		228 - 361	500
Turbidity (flow proportioned avg daily value)	NTU	0.31	0.33	0.32	0.30	0.34	0.40	2		SM 2130B		0.12	0.12 - 0.50
Uranium	pCi/L			0.774	0.774	1.14	1.59			EPA 908.0		0.123 - 0.362	1.00
Vinyl chloride	ug/L	ND		ND	ND	ND	ND			EPA 624 & EPA 624.1	2	0.25 - 0.42	0.50
Zinc	ug/L	56.2	60.1	55.9	51.7	60.1	74.5	159(8)	114(8)	EPA 200.8	1	0.70	1.00

(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(3) The Ammonia Nitrogen effluent limitations apply to Discharge Point 001 that flow into San Gabriel River. ELS Present seasonal limits are from April 1 through September 30.
(4) The Ammonia Nitrogen effluent limitations apply to Discharge Point 001 that flow into San Gabriel River. ELS Absent seasonal limits are from October 1 through March 31.
(5) Effluent limits apply to Discharge Point 002, 003, and 004 that flow into Rio Hondo.
(6) Effluent limits apply to Discharge Point 001 that flow into San Gabriel River.
(7) Wet weather effluent limits apply to Discharge Points 001 when the maximum daily flow measured at the San Gabriel River, USGS gauging station 11087020 is equal to or greater than 260 cubic feet per second.
(8) Wet weather effluent limits apply to Discharge point 002, 003, and 004 when the maximum daily flow measured at the Los Angeles River Wardlow station is equal to or greater than 500 cubic feet per second.
(9) Mercury effluent limits do not apply to Discharge Point 001 (San Gabriel River) because the discharge does not show reasonable potential to exceed the criteria.
(10) The temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature
(11) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period and 240/100 mL in any sample.