

**2020 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

## Wastewater Monitoring Data

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*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:

## ***Wastewater Monitoring Data***

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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

### ***Wastewater Monitoring Data***

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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  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
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-Dichloroethylene	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNO Est. Conc. 20 (1)			DNO Est. Conc. 29 (1)			DNO Est. Conc. 24 (1)			DNO Est. Conc. 12 (2)
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)			DNO Est. Conc. 14 (1)			DNO Est. Conc. 9.5 (1)			ND
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND			ND			ND			ND
1,2,3,4,7,8-HexaCDD	pg/L	ND			ND (1)			ND (1)			ND
1,2,3,4,7,8-HexaCDF	pg/L	ND			ND (1)			ND (1)			ND
1,2,3,6,7,8-HexaCDD	pg/L	ND			ND (1)			DNO Est. Conc. 2.7			ND
1,2,3,6,7,8-HexaCDF	pg/L	ND			ND (1)			ND (1)			ND
1,2,3,7,8,9-HexaCDD	pg/L	ND			ND (1)			DNO Est. Conc. 2.8			ND
1,2,3,7,8,9-HexaCDF	pg/L	ND			ND			ND (1)			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-Dichlorobenzene	ug/L	ND			ND			ND			ND
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND			ND			ND			ND
1,3-Dichloropropene	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	ND			ND			ND			ND
2,3,4,7,8-PentaCDF	pg/L	ND			ND			ND			ND
2,3,7,8-TCDD	pg/L	ND			ND			ND			ND
2,3,7,8-TetraCDF	pg/L	ND			ND			ND			ND
2,4,6-Trichlorophenol	ug/L	DNO Est. Conc. 13.6			DNO Est. Conc. 16.1			24.2			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
2,4-Dichlorophenol	ug/L	ND			ND			ND			ND
2,4-Dimethylphenol	ug/L	20.3						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	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			
3,3'-Dichlorobenzidine	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-Chloro-3-methylphenol	ug/L	ND			ND			ND			ND
4-Nitrophenol	ug/L	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-hexachlorocyclohexane	ug/L	ND						ND			
Ammonia Nitrogen	mg/L	49.8	50.2	43.9	46.0	47.6	45.4	44.2	38.7	44.2	44.8
Anthracene	ug/L	ND			ND			ND			ND
Antimony	ug/L	2.98			3.38			2.36			2.54
Aroclor 1016	pg/L	ND			ND			ND			ND
Aroclor 1221	pg/L	ND			ND			ND			ND
Aroclor 1232	pg/L	ND			ND			ND			ND
Aroclor 1242	pg/L	ND			ND			ND			ND
Aroclor 1248	pg/L	ND			ND			ND			ND
Aroclor 1254	pg/L	ND			ND			ND			ND
Aroclor 1260	pg/L	ND			ND			ND			ND

JWPCP  
2020 INF-001 Monitoring Results

Parameter	Units	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.33	0.5
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.23	0.5
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.12	0.5
1,1-Dichloroethylene	ug/L			ND	ND	ND	EPA 624	2	0.32	0.5
1,2,3,4,6,7,8-HeptaCDD	pg/L			DNQ Est. Conc. 12 (2)	ND	DNQ Est. Conc. 29 (1)	EPA 1613B		0.67 - 2.2	52 - 61
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 14 (1)	EPA 1613B		3.2 - 4.2	52 - 61
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND	EPA 1613B		3.1 - 5.2	52 - 61
1,2,3,4,7,8-HexaCDD	pg/L			ND (1)	ND	ND (1)	EPA 1613B		0.77 - 4	52 - 61
1,2,3,4,7,8-HexaCDF	pg/L			ND (1)	ND	ND (1)	EPA 1613B		0.59 - 3.7	52 - 61
1,2,3,6,7,8-HexaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 2.7	EPA 1613B		0.84 - 4.1	52 - 61
1,2,3,6,7,8-HexaCDF	pg/L			ND (1)	ND	ND (1)	EPA 1613B		0.61 - 3.5	52 - 61
1,2,3,7,8,9-HexaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 2.8	EPA 1613B		0.71 - 3.7	52 - 61
1,2,3,7,8,9-HexaCDF	pg/L			ND (1)	ND	ND (1)	EPA 1613B		0.53 - 3.2	52 - 61
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND	EPA 1613B		2.1 - 5.2	52 - 61
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND	EPA 1613B		0.75 - 2.3	52 - 61
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.5
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.5
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625.1		0.63	20
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.17	0.5
1,3-Dichloropropene	ug/L			ND	ND	ND	Calculated	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.21	0.5
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND	EPA 1613B		0.57 - 3.8	52 - 61
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND	EPA 1613B		0.77 - 2.5	52 - 61
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		1.3 - 4	10 - 12
2,3,7,8-TetraCDF	pg/L			ND	ND	ND	EPA 1613B		0.96 - 3.4	10 - 12
2,4,6-Trichlorophenol	ug/L			ND	6.0	24.2	EPA 625.1		0.64	20
2,4-DDD	ug/L			ND	ND	ND	EPA 608.3/8081/8082		0.003 - 0.008	0.1 - 0.2
2,4-DDE	ug/L			ND	ND	ND	EPA 608.3/8081/8082		0.002 - 0.003	0.1 - 0.3
2,4-DDT	ug/L			ND	ND	ND	EPA 608.3/8081/8082		0.003 - 0.005	0.1 - 0.2
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625.1		0.6	20
2,4-Dimethylphenol	ug/L			ND	10.2	20.3	EPA 625.1		0.44	20
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625.1		1.5	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1		0.37	20
2-Chloroethylvinyl ether	ug/L			ND	ND	ND	EPA 624	1	0.19	0.5
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625.1		0.41	20
2-methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625.1		1.3	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1		0.31	20
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625.1		0.54	20
4,4'-DDD	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.05	0.003 - 0.005	0.1 - 0.2
4,4'-DDE	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.05	0.002 - 0.004	0.1
4,4'-DDT	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.01	0.001 - 0.004	0.1 - 0.2
4-Chloro-3-methylphenol	ug/L			ND	ND	ND	EPA 625.1		0.69	20
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1		1.6	100
Acenaphthylene	ug/L			ND	ND	ND	EPA 625.1		0.5	20
Acrolein	ug/L			ND	ND	ND	EPA 624		0.7	2
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.5	2
Aldrin	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.005	0.003	0.1
alpha-hexachlorocyclohexane	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.01	0.001	0.6
Ammonia Nitrogen	mg/L	44.2	49.0	38.7	45.7	50.2	SM 4500 NH3 C & SM 4500 NH3 H		0.05 - 0.4	4
Anthracene	ug/L			ND	ND	ND	EPA 625.1		0.56	20
Antimony	ug/L			2.36	2.82	3.38	EPA 200.8	0.5	0.07	0.5
Aroclor 1016	pg/L			ND	ND	ND	EPA 608.3/8081/8082	0.5	0.02 - 0.12	5
Aroclor 1221	pg/L			ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.12	5 - 8
Aroclor 1232	pg/L			ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.12	5
Aroclor 1242	pg/L			ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.12	5 - 9
Aroclor 1248	pg/L			ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.12	0.8 - 5
Aroclor 1254	pg/L			ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.12	4 - 5
Aroclor 1260	pg/L			ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.12	1 - 5



JWPCP  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Arsenic	ug/L	4.15			4.58			5.87			5.22
Benzene	ug/L	17.2						18.8			
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	DNO Est. Conc. 0.024			DNO Est. Conc. 0.040			ND			DNO Est. Conc. 0.024
beta-hexachlorocyclohexane	ug/L	ND						ND			
Bis(2-chloro-ethoxy)methane	ug/L	ND						ND			
Bis(2-chloroethyl)ether	ug/L	ND						ND			
Bis(2-chloro-isopropyl)ether	ug/L	ND						ND			
Bis(2-ethylhexyl)phthalate	ug/L	ND			DNO Est. Conc. 11.7			ND			ND
BOD	mg/L	440	484	434	345	407	375	428	449	356	365
Bromoform	ug/L	ND			0.61			ND			DNO Est. Conc. 0.25
Bromomethane	ug/L	ND			ND			ND			ND
Cadmium	ug/L	0.84			0.96			1.4			1.1
Carbon tetrachloride	ug/L	ND						ND			
Chlordane-alpha	ug/L	ND						ND			
Chlordane-gamma	ug/L	ND						ND			
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	0.50			2.1			DNO Est. Conc. 0.28			0.96
Chloroform	ug/L	16.8			28.4			21.2			50.7
Chloromethane	ug/L	0.81			1.1			0.57			0.61
Chromium (III)	ug/L	12.2			10.3			13.4			12.2
Chromium (VI)	ug/L	ND			ND			ND			ND
Chrysene	ug/L	ND			ND			ND			ND
cis-Nonachlor	ug/L	ND						ND			
Copper	ug/L	100	105	58.2	103	109	101	117	118	92.5	110
Cyanide, Total	ug/L	8.36			8.33			6.16			DNO Est. Conc. 4.75
delta-hexachlorocyclohexane	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND			ND			ND			ND
Dichlorobromomethane	ug/L	0.94			3.5			0.58			2.2
Dichloromethane (Methylene Chloride)	ug/L	1.5			2.6			2.1			5.7
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			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	4.8						4.4			
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND			ND			ND			ND
gamma-hexachlorocyclohexane	ug/L	ND						ND			
Gross Alpha Radioactivity	pCi/L	7.66			10.7			12.1			26.2
Gross Beta Radioactivity	pCi/L	24.6			25.5			25.1			12.8
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			ND			ND
Isophorone	ug/L	ND			ND			ND			ND
Lead	ug/L	5.28			6.19			4.89			4.36

JWPCP  
2020 INF-001 Monitoring Results

Parameter	Units	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
Arsenic	ug/L			4.15	4.96	5.87	EPA 200.8	2	0.06	1
Benzene	ug/L			17.2	18.0	18.8	EPA 624	2	0.15	0.5
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625.1		0.77	100
Benzo(a)anthracene (1,2-benzanthracene)	ug/L			ND	ND	ND	EPA 625.1		0.46	20
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 610	10	0.01	0.5
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L			ND	ND	ND	EPA 610	10	0.02	0.5
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L			ND	ND	ND	EPA 625.1		0.52	20
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 610	10	0.01	0.5
Beryllium	ug/L			ND	ND	DNO Est. Conc. 0.040	EPA 200.8	0.5	0.02	0.25
beta-hexachlorocyclohexane	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.005	0.003	3
Bis(2-chloro-ethoxy)methane	ug/L			ND	ND	ND	EPA 625.1		0.28	20
Bis(2-chloroethyl)ether	ug/L			ND	ND	ND	EPA 625.1		0.27	20
Bis(2-chloro-isopropyl)ether	ug/L			ND	ND	ND	EPA 625.1		0.25	20
Bis(2-ethylhexyl)phthalate	ug/L			ND	ND	DNO Est. Conc. 11.7	EPA 625.1		0.55	20
BOD	mg/L	440	449	345	414	484	SM 5210B		0.6	150
Bromoform	ug/L			ND	0.15	0.61	EPA 624	2	0.23	0.5
Bromomethane	ug/L			ND	ND	ND	EPA 624	2	0.48	0.5
Cadmium	ug/L			0.84	1.1	1.4	EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.19	0.5
Chlordane-alpha	ug/L			ND	ND	ND	EPA 608.3/8081/8082		0.003	0.2
Chlordane-gamma	ug/L			ND	ND	ND	EPA 608.3/8081/8082		0.001	0.2
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.22	0.5
Chlorodibromomethane	ug/L			DNO Est. Conc. 0.28	0.89	2.1	EPA 624	2	0.17	0.5
Chloroform	ug/L			16.8	29.3	50.7	EPA 624	2	0.17	0.5
Chloromethane	ug/L			0.57	0.77	1.1	EPA 624	2	0.42	0.5
Chromium (III)	ug/L			10.3	12.0	13.4	Metals Calculation			
Chromium (VI)	ug/L			ND	ND	ND	EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chrysene	ug/L			ND	ND	ND	EPA 610	10	0.01	0.5
cis-Nonachlor	ug/L			ND	ND	ND	EPA 608.3/8081/8082		0.0004	0.1
Copper	ug/L	92.3	111	58.2	101	118	EPA 200.8	0.5	0.05	0.5
Cyanide, Total	ug/L			DNO Est. Conc. 4.75	5.71	8.36	SM 4500 CN E	5	0.5 - 0.7	5
delta-hexachlorocyclohexane	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.005	0.004	0.3
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 610	10	0.01	0.5
Dichlorobromomethane	ug/L			0.58	1.8	3.5	EPA 624	2	0.2	0.5
Dichloromethane (Methylene Chloride)	ug/L			1.5	3.0	5.7	EPA 624	2	0.3	0.5
Dieldrin	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.01	0.0009	0.2
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625.1		0.42	20
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625.1		0.41	20
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625.1		0.59	20
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.05	0.02	0.2
Endosulfan-alpha	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.02	0.004	2
Endosulfan-beta	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.01	0.003	0.1
Endrin	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.01	0.001	0.2
Ethylbenzene	ug/L			4.4	4.6	4.8	EPA 624	2	0.15	0.5
Fluoranthene	ug/L			ND	ND	ND	EPA 625.1		0.69	20
Fluorene	ug/L			ND	ND	ND	EPA 625.1		0.58	20
gamma-hexachlorocyclohexane	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.02	0.002	0.4
Gross Alpha Radioactivity	pCi/L			7.66	14.2	26.2	EPA 900.0		6.85 - 12.7	3
Gross Beta Radioactivity	pCi/L			12.8	22.0	25.5	EPA 900.0		2.78 - 7.63	4
Heplachlor	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.01	0.005	0.3
Heplachlor epoxide	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.01	0.005	0.2
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625.1		0.47	20
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625.1		0.96	20
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625.1		2.0	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625.1		0.81	20
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 610	10	0.01	0.5
Isophorone	ug/L			ND	ND	ND	EPA 625.1		0.28	20
Lead	ug/L			4.36	5.18	6.19	EPA 200.8	0.5	0.01	0.25

JWPCP  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Mercury	ug/L	0.25			0.26			0.20			0.22
Methyl-tert-butyl-ether	ug/L	1.6			0.79			0.66			1.9
Nickel	ug/L	14.1			33.2			18.1			18.3
Nitrobenzene	ug/L	ND			ND			ND			ND
n-Nitrosodimethylamine (NDMA)	ug/L	0.14 / ND			ND (EPA 625.1 only)			0.40 / ND			ND (EPA 625.1 only)
n-Nitrosodi-n-propylamine	ug/L	ND / ND						ND / ND			
n-Nitrosodiphenylamine	ug/L	ND / ND						ND / ND			
OctaCDD	pg/L	170 (1)			290 (1)			280 (1)			150 (1)
OctaCDF	pg/L	ND (1)			DNO Est. Conc. 33 (1)			DNO Est. Conc. 21 (1)			DNO Est. Conc. 25 (1)
Oil and grease	mg/L	81.9	64.0	79.7	67.9	69.7	85.9	80.2	76.4	70.0	60.1
Organic nitrogen	mg/L	26.5			26.0			24.7			21.7
Oxychlorodane	ug/L	ND						ND			
PCBs as Aroclors	pg/L	ND			ND			ND			ND
PCBs, Total	pg/L							ND			ND
Pentachlorophenol	ug/L	ND			ND			ND			ND
pH	SU	7.1	7.1	7.2	7.2	7.0	7.1	7.0	7.0	7.1	7.1
Phenanthrene	ug/L	ND			ND			ND			ND
Phenol	ug/L	195						205			
Polycyclic Aromatic Hydrocarbons	ug/L	ND			ND			ND			ND
Pyrene	ug/L	ND			ND			ND			ND
Radium 226	pCi/L	0.349			0.194			0.260			0.158
Radium 226 + 228	pCi/L	0.65			3.1			1.6			0.16
Radium 228	pCi/L	0.301			2.94			1.38			-0.247
Selenium	ug/L	11.2			9.53			10.1			8.64
Silver	ug/L	1.35			1.32			1.01			0.73
Strontium-90	pCi/L	1.17			1.99			2.63			1.24
TCDD equivalents	pg/L	0.17			0.29			0.28			0.15
Tetrachloroethylene	ug/L	DNO Est. Conc. 0.35			ND			0.99			ND
Thallium	ug/L	DNO Est. Conc. 0.025			DNO Est. Conc. 0.024			DNO Est. Conc. 0.016			DNO Est. Conc. 0.018
Toluene	ug/L	26.6			32.0			31.9			55.7
Total Chlordanes	ug/L	ND						ND			
Total Chromium	ug/L	12.2			10.3			13.4			12.2
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	0.81			ND			0.57			0.85
Total HCH	ug/L	ND						ND			
Total Organic Carbon	mg/L	92.9	89.2	96.4	82.6	84.5	87.7	88.2	93.6	95.2	97.5
Total Phenolic Compounds (Chlorinated)	ug/L	ND			ND			24.2			ND
Total Phenolic Compounds (non-chlorinated)	ug/L	215						205			
Total Phosphorus	mg/L	10.6			9.24			11.0			8.85
Total Suspended Solids	mg/L	573	625	607	553	542	572	537	553	544	538
Toxaphene	ug/L	ND						ND			
trans-Nonachlor	ug/L	ND						ND			
Tributyltin (TBT)	ug/L	ND			ND			ND			ND
Trichloroethylene	ug/L	ND						ND			
Tritium	pCi/L	-18.0			109			106			102
Uranium	pCi/L	3.25			4.57			6.69			4.32
Vinyl Chloride	ug/L	ND						ND			
Zinc	ug/L	268			606			306			297

JWPCP  
2020 INF-001 Monitoring Results

Parameter	Units	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
Mercury	ug/L			0.20	0.23	0.26	EPA 245.1	0.5	0.012	0.04
Methyl-tert-butyl-ether	ug/L			0.66	1.2	1.9	EPA 624		0.14	0.5
Nickel	ug/L			14.1	20.9	33.2	EPA 200.8	1	0.07	1
Nitrobenzene	ug/L			ND	ND	ND	EPA 625.1		0.31	20
n-Nitrosodimethylamine (NDMA)	ug/L			0.14 / ND	0.27 / ND	0.40 / ND	EPA 1625B (Modified) / EPA 625.1		0.0005 - 0.5	0.1 - 100
n-Nitrosodi-n-propylamine	ug/L			ND / ND	ND / ND	ND / ND	EPA 1625B (Modified) / EPA 625.1		0.0006 - 0.36	0.1 - 20
n-Nitrosodiphenylamine	ug/L			ND / ND	ND / ND	ND / ND	EPA 1625B (Modified) / EPA 625.1		0.0013 - 0.64	0.5 - 20
OctaCDD	pg/L			150 (1)	222	290 (1)	EPA 1613B		1.2 - 2.2	100 - 120
OctaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 33 (1)	EPA 1613B		0.88 - 2.1	100 - 120
Oil and grease	mg/L	76.5	72.6	60.1	73.7	85.9	EPA 1664A			4
Organic nitrogen	mg/L			21.7	24.7	26.5	Calculated			
Oxychlorodane	ug/L			ND	ND	ND	EPA 608.3/8081/8082		0.001	0.4
PCBs as Aroclors	pg/L			ND	ND	ND	Calculated			
PCBs, Total	pg/L			ND	ND	ND	Calculated			
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625.1		0.82	20
pH	SU	7.0	7.0	7.0	7.1	7.2	SM 4500 H+ B		1	1
Phenanthrene	ug/L			ND	ND	ND	EPA 625.1		0.59	20
Phenol	ug/L			195	200	205	EPA 625.1		0.24	20
Polycyclic Aromatic Hydrocarbons	ug/L			ND	ND	ND	Calculated			
Pyrene	ug/L			ND	ND	ND	EPA 625.1		0.6	20
Radium 226	pCi/L			0.158	0.240	0.349	EPA 903.0		0.264 - 1.66	1
Radium 226 + 228	pCi/L			0.16	1.4	3.1	Drinking H2O Radium Sum Method			
Radium 228	pCi/L			-0.247	1.09	2.94	EPA 904.0		1.17 - 3.71	1
Selenium	ug/L			8.64	9.87	11.2	EPA 200.8	2	0.02	1
Silver	ug/L			0.73	1.1	1.35	EPA 200.8	0.25	0.02	0.2
Strontium-90	pCi/L			1.17	1.76	2.63	EPA 905.0		1.57 - 2.44	3
TCDD equivalents	pg/L			0.15	0.22	0.29	Calculated			
Tetrachloroethylene	ug/L			ND	0.25	0.99	EPA 624	2	0.25	0.5
Thallium	ug/L			DNQ Est. Conc. 0.016	ND	DNQ Est. Conc. 0.025	EPA 200.8	1	0.01	0.25
Toluene	ug/L			26.6	36.6	55.7	EPA 624	2	0.17	0.5
Total Chlorodanes	ug/L			ND	ND	ND	Calculated			
Total Chromium	ug/L			10.3	12.0	13.4	EPA 200.8	0.5	0.1	0.5
Total DDT	ug/L			ND	ND	ND	Calculated			
Total Dichlorobenzene	ug/L			ND	ND	ND	Calculated			
Total Endosulfan	ug/L			ND	ND	ND	Calculated			
Total Halomethanes	ug/L			ND	0.56	0.85	Calculated			
Total HCH	ug/L			ND	ND	ND	Calculated			
Total Organic Carbon	mg/L	98.3	94.8	82.6	91.7	98.3	SM 5310C		0.13 - 0.18	25 - 50
Total Phenolic Compounds (Chlorinated)	ug/L			ND	6.05	24.2	Calculated			
Total Phenolic Compounds (non-chlorinated)	ug/L			205	210	215	Calculated			
Total Phosphorus	mg/L			8.85	9.92	11.0	SM4500P-E		0.01 - 0.031	2.5
Total Suspended Solids	mg/L	602	632	537	573	632	SM 2540D		2.5	2.5
Toxaphene	ug/L			ND	ND	ND	EPA 608.3/8081/8082	0.5	0.3	3
trans-Nonachlor	ug/L			ND	ND	ND	EPA 608.3/8081/8082		0.003	0.1
Tributyltin (TBT)	ug/L			ND	ND	ND	Tributyltin by GC/FPD		1.4 - 1.6	3.1 - 3.4
Trichloroethylene	ug/L			ND	ND	ND	EPA 624	2	0.26	0.5
Tritium	pCi/L			-18.0	74.8	109	EPA 906.0		280 - 325	500
Uranium	pCi/L			3.25	4.71	6.69	EPA 908.0		0.755 - 2.18	1
Vinyl Chloride	ug/L			ND	ND	ND	EPA 624	2	0.42	0.5
Zinc	ug/L			268	369	606	EPA 200.8	1	0.7	10 - 20

(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**

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November	December
1,1,1-Trichloroethane	ug/L	ND						ND					
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			ND		
1,1,2-Trichloroethane	ug/L	ND						ND			ND		
1,1-Dichloroethylene	ug/L	ND						ND			ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND						ND (1)					
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)						ND (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)					
1,2,3,4,7,8-HexaCDF	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)					
1,2,3,7,8,9-HexaCDD	pg/L	ND						DNQ Est. Conc. 1.3					
1,2,3,7,8,9-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-Dichlorobenzene	ug/L	ND						ND			ND		
1,2-Dichloroethane	ug/L	ND						ND			DNQ Est. Conc. 0.27		
1,2-Diethoxyethane	ug/L	ND						ND					
1,2-Diethylhydrazine	ug/L	ND						ND					
1,3-Dichlorobenzene	ug/L	ND						ND			ND		
1,3-Dichloropropene	ug/L	ND						ND			ND		
1,4-Dichlorobenzene	ug/L	ND						ND			ND		
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND (1)					
2,3,4,7,8-PentaCDF	pg/L	ND						ND					
2,3,7,8-TCDD	pg/L	ND						ND					
2,3,7,8-TetraCDF	pg/L	ND						ND					
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 1.7						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		
2,4-Dichlorophenol	ug/L	ND			ND			ND					
2,4-Dimethylphenol	ug/L	ND			ND			ND					
2,4-Dinitrophenol	ug/L	ND			ND			ND					
2,4-Dinitrotoluene	ug/L	ND			ND			ND					
2-Chlorophenol	ug/L	ND			ND			ND					
2-methyl-4,6-dinitrophenol	ug/L	ND			ND			ND					
2-Nitrophenol	ug/L	ND			ND			ND					
3,3'-Dichlorobenzidine	ug/L	ND			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-Chloro-3-methylphenol	ug/L	ND			ND			ND					
4-Nitrophenol	ug/L	ND			ND			ND					
Acenaphthylene	ug/L	ND			ND			ND					
Acrolein	ug/L	ND			ND			ND			ND		
Acrylonitrile	ug/L	ND			ND			ND			ND		
Aldrin	ug/L	0.005			ND			ND					
Ammonia Nitrogen	mg/L	47.0	47.2	46.5	46.6	45.2	41.9	41.2	39.0	41.8	41.8	42.0	43.1
Anthracene	ug/L	ND			ND			ND					
Antimony	ug/L	1.78			2.15			1.32			1.33		
Aroclor 1016	pg/L	ND			ND			ND			ND		
Aroclor 1221	pg/L	ND			ND			ND			ND		
Aroclor 1232	pg/L	ND			ND			ND			ND		
Aroclor 1242	pg/L	ND			ND			ND			ND		
Aroclor 1248	pg/L	ND			ND			ND			ND		
Aroclor 1254	pg/L	ND			ND			ND			ND		
Aroclor 1260	pg/L	ND			ND			ND			ND		
Arsenic	ug/L	1.86			1.54			2.20			2.42		
Benzene	ug/L	ND			ND			ND			ND		
Benzidine	ug/L	ND			ND			ND			ND		
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND			ND			ND					
Benzo(a)pyrene	ug/L	ND			ND			ND					
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND			ND			ND					
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND			ND			ND					
Benzo(k)fluoranthene	ug/L	ND			ND			ND					
Beryllium	ug/L	ND			ND			ND			ND		
Bis(2-chloro-ethoxy)methane	ug/L	ND			ND			ND					
Bis(2-chloroethyl)ether	ug/L	ND			ND			ND					
Bis(2-chloro-isopropyl)ether	ug/L	ND			ND			ND					
Bis(2-ethylhexyl) phthalate	ug/L	ND			ND			ND					
BOD	mg/L	12	10	8.0	5.8	6.4	8.2	6.3	5.5	6.2	6.7	10	6.8
Bromofom	ug/L	DNQ Est. Conc. 0.28						ND			ND		
Bromomethane	ug/L	ND						ND			ND		
Cadmium	ug/L	ND			ND			ND			ND		
Carbon tetrachloride	ug/L	ND			ND			ND			ND		
Chlordane-alpha	ug/L	ND			ND			ND			ND		
Chlordane-gamma	ug/L	ND			ND			ND			ND		
Chlorobenzene	ug/L	ND			ND			ND			ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.35			0.56			ND			ND		
Chloroform	ug/L	11.6						16.0			10.7		
Chloromethane	ug/L	ND						ND			ND		

Parameter	Units	Minimum	Average	Maximum	Limit			Method	ML	MDL	RL
					Max Daily	Monthly Average	Performance Goal				
1,1,1-Trichloroethane	ug/L	ND	ND	ND			1.8	EPA 624.1		0.16	0.5
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND			0.4	EPA 624.1		0.21	0.5
1,1,2-Trichloroethane	ug/L	ND	ND	ND			0.45	EPA 624.1		0.13	0.5
1,1-Dichloroethylene	ug/L	ND	ND	ND			1.1	EPA 624.1		0.21	0.5
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)	ND	ND (1)				EPA 1613B		0.61 - 1.1	53 - 58
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)	ND	ND (1)				EPA 1613B		0.6 - 2.3	53 - 58
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND	ND	ND				EPA 1613B		0.77 - 3.1	53 - 58
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)	ND	ND (1)				EPA 1613B		0.57 - 1.6	53 - 58
1,2,3,4,7,8-HexaCDF	pg/L	ND	ND	ND				EPA 1613B		0.64 - 2.2	53 - 58
1,2,3,6,7,8-HexaCDD	pg/L	ND	ND	ND				EPA 1613B		0.6 - 1.7	53 - 58
1,2,3,6,7,8-HexaCDF	pg/L	ND (1)	ND	ND (1)				EPA 1613B		0.67 - 2	53 - 58
1,2,3,7,8,9-HexaCDD	pg/L	ND	ND	DNQ Est. Conc. 1.3				EPA 1613B		0.52 - 1.4	53 - 58
1,2,3,7,8,9-HexaCDF	pg/L	ND (1)	ND	ND (1)				EPA 1613B		0.49 - 1.2	53 - 58
1,2,3,7,8-PentaCDD	pg/L	ND	ND	ND				EPA 1613B		0.78 - 2.8	53 - 58
1,2,3,7,8-PentaCDF	pg/L	ND	ND	ND				EPA 1613B		0.51 - 1.4	53 - 58
1,2-Dichlorobenzene	ug/L	ND	ND	ND				EPA 624.1		0.15	0.5
1,2-Dichloroethane	ug/L	ND	ND	DNQ Est. Conc. 0.27			0.6	EPA 624.1		0.22	0.5
1,2-Dichloroethane	ug/L	ND	ND	ND			0.65	EPA 625.1		0.63	2
1,3-Dichlorobenzene	ug/L	ND	ND	ND				EPA 624.1		0.15	0.5
1,3-Dichloropropene	ug/L	ND	ND	ND			0.65	Calculated			
1,4-Dichlorobenzene	ug/L	ND	ND	ND			1.0	EPA 624.1		0.25	0.5
2,3,4,6,7,8-HexaCDF	pg/L	ND (1)	ND	ND (1)				EPA 1613B		0.52 - 1.3	53 - 58
2,3,4,7,8-PentaCDF	pg/L	ND	ND	ND				EPA 1613B		0.51 - 1.5	53 - 58
2,3,7,8-TCDD	pg/L	ND	ND	ND				EPA 1613B		0.8 - 1.5	11 - 12
2,3,7,8-TetraCDF	pg/L	ND	ND	ND				EPA 1613B		0.51 - 1.2	11 - 12
2,4,6-Trichlorophenol	ug/L	ND	ND	DNQ Est. Conc. 1.7			0.6	EPA 625.1		0.64	2
2,4-DDD	ug/L	ND	ND	ND				EPA 608.3/8081/8082		0.003 - 0.008	0.01
2,4-DDE	ug/L	ND	ND	ND				EPA 608.3/8081/8082		0.002 - 0.003	0.01
2,4-DDT	ug/L	ND	ND	ND				EPA 608.3/8081/8082		0.003 - 0.005	0.01
2,4-Dichlorophenol	ug/L	ND	ND	ND				EPA 625.1		0.6	2
2,4-Dimethylphenol	ug/L	ND	ND	ND				EPA 625.1		0.44	2
2,4-Dinitrophenol	ug/L	ND	ND	ND			17	EPA 625.1		1.5	10
2,4-Dinitrotoluene	ug/L	ND	ND	ND			1.0	EPA 625.1		0.37	2
2-Chlorophenol	ug/L	ND	ND	ND				EPA 625.1		0.41	2
2-methyl-4,6-dinitrophenol	ug/L	ND	ND	ND			13	EPA 625.1		1.3	10
2-Nitrophenol	ug/L	ND	ND	ND				EPA 625.1		0.31	2
3,3'-Dichlorobenzidine	ug/L	ND	ND	ND		1.4		EPA 625.1		0.54	2
4,4'-DDD	ug/L	ND	ND	ND				EPA 608.3/8081/8082	0.05	0.003 - 0.005	0.01
4,4'-DDE	ug/L	ND	ND	ND				EPA 608.3/8081/8082	0.05	0.002 - 0.004	0.01
4,4'-DDT	ug/L	ND	ND	ND				EPA 608.3/8081/8082	0.01	0.001 - 0.004	0.01
4-Chloro-3-methylphenol	ug/L	ND	ND	ND				EPA 625.1		0.69	2
4-Nitrophenol	ug/L	ND	ND	ND				EPA 625.1		1.6	10
Acenaphthylene	ug/L	ND	ND	ND				EPA 625.1		0.5	2
Acrolein	ug/L	ND	ND	ND			5.2	EPA 624.1		0.64	2
Acrylonitrile	ug/L	ND	ND	ND			2.7	EPA 624.1		0.64	2
Aldrin	ug/L	ND	0.002	0.005			0.0037	EPA 608.3/8081/8082	0.005	0.003	0.005
Ammonia Nitrogen	mg/L	39.1	43.6	47.2			47	SM 4500 NH3 C & SM 4500 NH3 H		0.05 - 0.4	1 - 4
Anthracene	ug/L	ND	ND	ND				EPA 625.1		0.56	2
Antimony	ug/L	1.32	1.64	2.15			6.8	EPA 200.8	0.5	0.07	0.5
Aroclor 1016	pg/L	ND	ND	ND				EPA 608.3/8081/8082	0.5	0.02 - 0.12	0.1 - 0.52
Aroclor 1221	pg/L	ND	ND	ND				EPA 608.3/8081/8082	0.5	0.08 - 0.12	0.5 - 0.52
Aroclor 1232	pg/L	ND	ND	ND				EPA 608.3/8081/8082	0.5	0.08 - 0.12	0.3 - 0.52
Aroclor 1242	pg/L	ND	ND	ND				EPA 608.3/8081/8082	0.5	0.08 - 0.12	0.1 - 0.52
Aroclor 1248	pg/L	ND	ND	ND				EPA 608.3/8081/8082	0.5	0.08 - 0.12	0.1 - 0.52
Aroclor 1254	pg/L	ND	ND	ND				EPA 608.3/8081/8082	0.5	0.08 - 0.12	0.1 - 0.52
Aroclor 1260	pg/L	ND	ND	ND				EPA 608.3/8081/8082	0.5	0.08 - 0.12	0.1 - 0.52
Arsenic	ug/L	1.54	2.00	2.42			2.5	EPA 200.8	2	0.06	1
Benzene	ug/L	ND	ND	ND			0.75	EPA 624.1		0.09	0.5
Benzidine	ug/L	ND	ND	ND		0.012		EPA 625.1		0.77	5 - 10
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND	ND	ND				EPA 625.1		0.46	2
Benzo(a)pyrene	ug/L	ND	ND	ND				EPA 610	10	0.013	0.1
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND	ND	ND				EPA 610	10	0.015	0.1
Benzo(a,h)perylene (1,12-benzoperylene)	ug/L	ND	ND	ND				EPA 625.1		0.52	2
Benzo(k)fluoranthene	ug/L	ND	ND	ND				EPA 610	10	0.014	0.1
Berillium	ug/L	ND	ND	ND			0.15	EPA 200.8	0.5	0.02	0.25
Bis(2-chloro-ethoxy)methane	ug/L	ND	ND	ND			1.3	EPA 625.1		0.28	2
Bis(2-chloroethyl)ether	ug/L	ND	ND	ND			0.95	EPA 625.1		0.27	2
Bis(2-chloro-isopropyl)ether	ug/L	ND	ND	ND			1.6	EPA 625.1		0.25	2
Bis(2-ethylhexyl) phthalate	ug/L	ND	ND	ND			14	EPA 625.1		0.55	2
BOD	mg/L	5.5	7.6	12		30		SM 5210B		0.6	2.4
Bromoform	ug/L	ND	ND	DNQ Est. Conc. 0.28				EPA 624.1		0.18	0.5
Bromomethane	ug/L	ND	ND	ND				EPA 624.1		0.3	0.5
Cadmium	ug/L	ND	ND	ND			0.1	EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L	ND	ND	ND			1.0	EPA 624.1		0.18	0.5
Chlordane-alpha	ug/L	ND	ND	ND				EPA 608.3/8081/8082		0.003	0.01
Chlordane-gamma	ug/L	ND	ND	ND				EPA 608.3/8081/8082		0.001 - 0.003	0.01
Chlorobenzene	ug/L	ND	ND	ND			1.2	EPA 624.1		0.1	0.5
Chlorodibromomethane	ug/L	ND	0.14	0.56			0.6	EPA 624.1		0.11	0.5
Chloroform	ug/L	10.7	12.8	16.0			25.4	EPA 624.1		0.08	0.5
Chloromethane	ug/L	ND	ND	ND				EPA 624.1		0.41	0.5

JWPCP  
2020 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November	December
Chromium (III)	ug/L	1.34			0.90			0.98			1.47		
Chromium (VI)	ug/L	ND			ND			ND			ND		
Chrysene	ug/L	ND						ND					
cis-Nonachlor	ug/L	ND						ND			ND		
Copper	ug/L	3.23			2.46			4.36			2.58		
Cyanide	ug/L	DNQ Est. Conc. 4.45			DNQ Est. Conc. 1.78			6.86			DNQ Est. Conc. 4.54		
Dibenzo(a,h)anthracene	ug/L	ND						ND					
Dichlorobromomethane	ug/L	0.86						ND			DNQ Est. Conc. 0.24		
Dichloromethane (Methylene Chloride)	ug/L	2.0						1.4			1.0		
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					
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					
Fluoranthene	ug/L	ND						ND			ND		
Fluorene	ug/L	ND						ND					
Gross alpha radioactivity	pCi/L	5.88			5.40			1.83			1.06		
Gross beta radioactivity	pCi/L	15.4			18.3			15.9			19.1		
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	DNQ Est. Conc. 0.11			DNQ Est. Conc. 0.14			DNQ Est. Conc. 0.07			DNQ Est. Conc. 0.07		
Mercury	ug/L	ND			ND			ND			ND		
Methyl-tert-butyl-ether	ug/L	0.56						0.93			0.82		
Nickel	ug/L	7.12			8.96			7.84			6.72		
Nitrate as Nitrogen	mg/L	ND			ND			DNQ Est. Conc. 0.06			DNQ Est. Conc. 0.07		
Nitrobenzene	ug/L	ND						ND					
n-Nitrosodimethylamine (NDMA)	ug/L	0.16 / ND						0.33 / ND					
n-Nitrosodi-n-propylamine	ug/L	ND / ND						ND / ND					
n-Nitrosodiphenylamine	ug/L	ND / ND						ND / ND					
OctaCDD	pg/L	ND (1)						ND (1)					
OctaCDF	pg/L	ND						ND (1)					
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	3.30			4.02			ND			ND		
Oxychlorane	ug/L	ND						ND			ND		
PCB-18/30	pg/L							DNQ Est. Conc. 31					
PCB-20/28	pg/L							DNQ Est. Conc. 56					
PCB-37	pg/L							DNQ Est. Conc. 18					
PCB-44/47/65	pg/L							DNQ Est. Conc. 50 (1)					
PCB-49/69	pg/L							DNQ Est. Conc. 19 (2)					
PCB-52	pg/L							DNQ Est. Conc. 46					
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 55					
PCB-66	pg/L							DNQ Est. Conc. 24					
PCB-77	pg/L							ND					
PCB-81	pg/L							ND					
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 50					
PCB-99	pg/L							DNQ Est. Conc. 14					
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 41					
PCB-105	pg/L							DNQ Est. Conc. 15					
PCB-110/115	pg/L							DNQ Est. Conc. 51					
PCB-114	pg/L							ND					
PCB-118	pg/L							33					
PCB-123	pg/L							ND					
PCB-126	pg/L							ND					
PCB-128/166	pg/L							DNQ Est. Conc. 2.9 (2)					
PCB-135/151	pg/L							DNQ Est. Conc. 7.7					
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 30 (1)					
PCB-147/149	pg/L							DNQ Est. Conc. 21					
PCB-153/168	pg/L							DNQ Est. Conc. 23					
PCB-156/157	pg/L							DNQ Est. Conc. 5.6					
PCB-158	pg/L							DNQ Est. Conc. 2.7					
PCB-167	pg/L							DNQ Est. Conc. 2.3					
PCB-169	pg/L							ND					
PCB-170	pg/L							DNQ Est. Conc. 4.9					
PCB-177	pg/L							DNQ Est. Conc. 2.6					
PCB-180/193	pg/L							DNQ Est. Conc. 14					
PCB-183	pg/L							ND					
PCB-187	pg/L							DNQ Est. Conc. 4.8 (2)					
PCB-189	pg/L							ND					
PCB-194	pg/L							DNQ Est. Conc. 2.9 (2)					
PCB-201	pg/L							ND					



Parameter	Units	Minimum	Average	Maximum	Limit			Method	ML	MDL	RL
					Max Daily	Monthly Average	Performance Goal				
Chromium (III)	ug/L	0.90	1.2	1.47			2.9				0.5
Chromium (VI)	ug/L	ND	ND	ND			1.5				0.05
Chrysene	ug/L	ND	ND	ND					10	0.01 - 0.02	0.1
cis-Nonachlor	ug/L	ND	ND	ND						0.0004 - 0.002	0.01
Copper	ug/L	2.46	3.16	4.36			4.9		0.5	0.05	0.5
Cyanide	ug/L	DNQ Est. Conc. 1.78	1.72	6.86			10		5	0.5 - 0.7	5
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND					10	0.014	0.1
Dichlorobromomethane	ug/L	ND	0.29	0.86			1.5			0.11	0.5
Dichloromethane (Methylene Chloride)	ug/L	1.0	1.5	2.0			3			0.46	0.5
Dieldrin	ug/L	ND	ND	ND			0.005		0.01	0.0009	0.01
Diethyl phthalate	ug/L	ND	ND	ND			2.1			0.42	2
Dimethyl phthalate	ug/L	ND	ND	ND			1.9			0.41	2
Di-n-butyl phthalate	ug/L	ND	ND	ND			4.4			0.59	2
Endosulfan sulfate	ug/L	ND	ND	ND					0.05	0.02	0.04
Endosulfan-alpha	ug/L	ND	ND	ND					0.02	0.004	0.01
Endosulfan-beta	ug/L	ND	ND	ND					0.01	0.003	0.01
Endrin	ug/L	ND	ND	ND			0.01		0.01	0.001	0.01
Ethylbenzene	ug/L	ND	ND	ND			1.9			0.15	0.5
Fluoranthene	ug/L	ND	ND	ND			1.9			0.69	2
Fluorene	ug/L	ND	ND	ND						0.58	2
Gross alpha radioactivity	pCi/L	1.06	3.54	5.88			10.9			4.76 - 8.33	3
Gross beta radioactivity	pCi/L	15.4	17.2	19.1			30.5			1.78 - 3.96	4
Heptachlor	ug/L	ND	ND	ND			0.005		0.01	0.005	0.01
Heptachlor epoxide	ug/L	ND	ND	ND			0.0033		0.01	0.005	0.01
Hexachlorobenzene	ug/L	ND	ND	ND		0.035				0.47	2
Hexachlorobutadiene	ug/L	ND	ND	ND			0.7			0.96	2
Hexachlorocyclopentadiene	ug/L	ND	ND	ND			7.5			2	10
Hexachloroethane	ug/L	ND	ND	ND			0.7			0.81	2
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND					10	0.013	0.1
Isophorone	ug/L	ND	ND	ND			0.65			0.28	2
Lead	ug/L	DNQ Est. Conc. 0.07	ND	DNQ Est. Conc. 0.14			0.4		0.5	0.01	0.25
Mercury	ug/L	ND	ND	ND			0.04		0.5	0.012	0.04
Methyl-tert-butyl-ether	ug/L	0.56	0.77	0.93						0.08	0.5
Nickel	ug/L	6.72	7.66	8.96			13		1	0.07	1
Nitrate as Nitrogen	mg/L	ND	ND	DNQ Est. Conc. 0.07						0.006 - 0.009	0.1 - 0.25
Nitrobenzene	ug/L	ND	ND	ND			2.2			0.31	2
n-Nitrosodimethylamine (NDMA)	ug/L	0.16 / ND	0.24 / ND	0.33 / ND			0.7			0.0005 - 0.5	0.02 - 10
n-Nitrosodi-n-propylamine	ug/L	ND / ND	ND / ND	ND / ND			0.6			0.0006 - 0.36	0.02 - 2
n-Nitrosodiphenylamine	ug/L	ND / ND	ND / ND	ND / ND			0.75			0.0013 - 0.64	0.1 - 2
OctaCDD	pg/L	ND (1)	ND	ND (1)						0.87 - 2.1	110 - 120
OctaCDF	pg/L	ND (1)	ND	ND (1)						0.6 - 2.5	110 - 120
Oil and grease	mg/L	ND	ND	ND	45	15				1.4	4.2 - 5.8
Organic nitrogen	mg/L	ND	1.83	4.02						Calculated	8
Oxychlorane	ug/L	ND	ND	ND						EPA 608.3/8081/8082	0.001 - 0.003
PCB-18/30	pg/L	DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31						EPA 1668C	3.2
PCB-20/28	pg/L	DNQ Est. Conc. 56	ND	DNQ Est. Conc. 56						EPA 1668C	7.8
PCB-37	pg/L	DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18						EPA 1668C	8
PCB-44/47/65	pg/L	DNQ Est. Conc. 50 (1)	ND (1)	DNQ Est. Conc. 50 (1)						EPA 1668C	2.4
PCB-49/69	pg/L	DNQ Est. Conc. 19 (2)	ND (2)	DNQ Est. Conc. 19 (2)						EPA 1668C	2.1
PCB-52	pg/L	DNQ Est. Conc. 46	ND	DNQ Est. Conc. 46						EPA 1668C	2.4
PCB-61/70/74/76	pg/L	DNQ Est. Conc. 55	ND	DNQ Est. Conc. 55						EPA 1668C	1.8
PCB-66	pg/L	DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24						EPA 1668C	1.8
PCB-77	pg/L	ND	ND	ND						EPA 1668C	2.2
PCB-81	pg/L	ND	ND	ND						EPA 1668C	2.4
PCB-86/87/97/108/119/125	pg/L	DNQ Est. Conc. 50	ND	DNQ Est. Conc. 50						EPA 1668C	2.4
PCB-99	pg/L	DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14						EPA 1668C	2.4
PCB-101 (Co: 90/101/113)	pg/L	DNQ Est. Conc. 41	ND	DNQ Est. Conc. 41						EPA 1668C	2.5
PCB-105	pg/L	DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15						EPA 1668C	2.2
PCB-110/115	pg/L	DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51						EPA 1668C	2.1
PCB-114	pg/L	ND	ND	ND						EPA 1668C	2.3
PCB-118	pg/L	33	33	33						EPA 1668C	2.1
PCB-123	pg/L	ND	ND	ND						EPA 1668C	2.4
PCB-126	pg/L	ND	ND	ND						EPA 1668C	2.7
PCB-128/166	pg/L	DNQ Est. Conc. 2.9 (2)	ND (2)	DNQ Est. Conc. 2.9 (2)						EPA 1668C	1
PCB-135/151	pg/L	DNQ Est. Conc. 7.7	ND	DNQ Est. Conc. 7.7						EPA 1668C	1.1
PCB-138 (Co: 129/138/163)	pg/L	DNQ Est. Conc. 30 (1)	ND (1)	DNQ Est. Conc. 30 (1)						EPA 1668C	1.1
PCB-147/149	pg/L	DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21						EPA 1668C	1
PCB-153/168	pg/L	DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23						EPA 1668C	0.88
PCB-156/157	pg/L	DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6						EPA 1668C	1.2
PCB-158	pg/L	DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7						EPA 1668C	0.8
PCB-167	pg/L	DNQ Est. Conc. 2.3	ND	DNQ Est. Conc. 2.3						EPA 1668C	0.87
PCB-169	pg/L	ND	ND	ND						EPA 1668C	0.96
PCB-170	pg/L	DNQ Est. Conc. 4.9	ND	DNQ Est. Conc. 4.9						EPA 1668C	1.4
PCB-177	pg/L	DNQ Est. Conc. 2.6	ND	DNQ Est. Conc. 2.6						EPA 1668C	1.3
PCB-180/193	pg/L	DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14						EPA 1668C	1.1
PCB-183	pg/L	ND	ND	ND						EPA 1668C	1.1
PCB-187	pg/L	DNQ Est. Conc. 4.8 (2)	ND (2)	DNQ Est. Conc. 4.8 (2)						EPA 1668C	1
PCB-189	pg/L	ND	ND	ND						EPA 1668C	0.92
PCB-194	pg/L	DNQ Est. Conc. 2.9 (2)	ND (2)	DNQ Est. Conc. 2.9 (2)						EPA 1668C	0.83
PCB-201	pg/L	ND	ND	ND						EPA 1668C	0.74

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Parameter	Units	January	February	March	April	May	June	July	August	September	October	November	December
PCB-206	pg/L							ND					
PCBs as Aroclors	pg/L	ND			ND			ND			ND		
PCBs as Congeners	pg/L							33					
PCBs, Total	pg/L	ND			ND			ND			ND		
Pentachlorophenol	ug/L	ND						ND					
pH	SU	7.0	7.0	7.1	7.1	7.1	7.0	7.1	7.0	7.1	7.1	7.2	7.1
Phenanthrene	ug/L	ND						ND					
Phenol	ug/L	DNQ Est. Conc. 1.1						DNQ Est. Conc. 0.71					
Polycyclic Aromatic Hydrocarbons	ug/L	ND						ND					
Pyrene	ug/L	ND						ND					
Radium 226	pCi/L	0.0556			0.138			0.0578			0.0734		
Radium 226 + 228	pCi/L	0.056			0.53			0.47			0.073		
Radium 228	pCi/L	-0.0932			0.388			0.409			-0.144		
Selenium	ug/L	5.09			3.72			4.07			3.37		
Settleable Solids	mil/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Silver	ug/L	DNQ Est. Conc. 0.11			DNQ Est. Conc. 0.04			DNQ Est. Conc. 0.02			ND		
Strontium-90	pCi/L	0.391			0.545			0.440			-0.377		
TCDD equivalents	ng/L	ND						ND					
Temperature	Degrees F	76.6	76.9	77.0	77.5	81.0	83.0	84.5	85.5	85.7	84.9	81.4	78.6
Tetrachloroethylene	ug/L	DNQ Est. Conc. 0.20						0.55			ND		
Thallium	ug/L	ND			ND			ND			ND		
Toluene	ug/L	DNQ Est. Conc. 0.28						ND			DNQ Est. Conc. 0.29		
Total Chlordanes	ug/L	ND						ND			ND		
Total Chromium	ug/L	1.34			0.90			0.98			1.47		
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	ND						ND					
Total Organic Carbon	mg/L	15.2	15.0	16.0	14.3	14.0	14.6	13.2	12.9	12.3	13.8	14.8	13.1
Total Phenolic Compounds (chlorinated)	ug/L	ND						ND					
Total Phenolic Compounds (non-chlorinated)	ug/L	ND						ND					
Total Phosphorus	mg/L	1.31			0.50			0.83			0.77		
Total Suspended Solids	mg/L	17	12	13	11	9.6	12	10	9.4	9.1	9.7	9.3	10
Toxaphene	ug/L	ND			ND			ND			ND		
trans-Nonachlor	ug/L	ND						ND			ND		
Tributyltin (TBT)	ug/L	ND						ND			ND		
Trichloroethylene	ug/L	ND						ND			ND		
Tritium	pCi/L	-40.5			10.8			8.11			-67.6		
Turbidity (24-Hour composite sample)	NTU	5.4	4.6	4.7	4.0	3.4	4.0	3.6	3.4	3.1	3.8	3.0	3.2
Turbidity (Grab sample)	NTU	5.4	3.6	3.9	3.8	3.3	4.1	3.3	3.3	2.7	3.1	2.8	2.5
Uranium	pCi/L	1.14			1.65			1.00			1.46		
Vinyl Chloride	ug/L	ND						ND			ND		
Zinc	ug/L	9.05			14.6			13.6			7.97		

Parameter	Units	Minimum	Average	Maximum	Limit			Method	ML	MDL	RL
					Max Daily	Monthly Average	Performance Goal				
PCB-206	pg/L	ND	ND	ND				EPA 1668C		2.1	210
PCBs as Aroclors	pg/L	ND	ND	ND		350		Calculated			
PCBs as Congeners	pg/L	33	33	33		350		Calculated			
PCBs, Total	pg/L	ND	ND	ND		350		Calculated			
Pentachlorophenol	ug/L	ND	ND	ND				EPA 625.1		0.82	2
pH	SU	7.0	7.1	7.2	9			SM 4500 H+ B		1	1
Phenanthrene	ug/L	ND	ND	ND				EPA 625.1		0.59	2
Phenol	ug/L	DNQ Est. Conc. 0.71	ND	DNQ Est. Conc. 1.1				EPA 625.1		0.24	2
Polycyclic Aromatic Hydrocarbons	ug/L	ND	ND	ND		0.95		Calculated			
Pyrene	ug/L	ND	ND	ND				EPA 625.1		0.6	2
Radium 226	pCi/L	0.0556	0.0812	0.138				EPA 903.0		0.146 - 0.422	1
Radium 226 + 228	pCi/L	0.056	0.28	0.53				Drinking H2O Radium Sum Method			
Radium 228	pCi/L	-0.144	0.140	0.409				EPA 904.0		0.671 - 0.845	1
Selenium	ug/L	3.37	4.06	5.09			11	EPA 200.8	2	0.02	1
Settleable Solids	ml/L	0.1	0.1	0.1	1.5	0.5		SM 2540F			0.1
Silver	ug/L	ND	ND	DNQ Est. Conc. 0.11			0.2	EPA 200.8	0.25	0.02	0.2
Strontium-90	pCi/L	-0.377	0.250	0.545				EPA 905.0		0.726 - 0.944	3
TCDD equivalents	pg/L	ND	ND	ND		0.65		Calculated			
Temperature	Degrees F	76.6	81.0	85.7	100			EPA 170.1 (oF)			
Tetrachloroethylene	ug/L	ND	0.18	0.55			20	EPA 624.1		0.18	0.5
Thallium	ug/L	ND	ND	ND			0.6	EPA 200.8	1	0.01	0.25
Toluene	ug/L	ND	ND	DNQ Est. Conc. 0.29			0.5	EPA 624.1		0.15	0.5
Total Chlordanes	ug/L	ND	ND	ND		0.0038		Calculated			
Total Chromium	ug/L	0.90	1.2	1.47				EPA 200.8	0.5	0.1	0.5
Total DDT	ug/L	ND	ND	ND		0.0158		Calculated			
Total Dichlorobenzene	ug/L	ND	ND	ND			0.5	Calculated			
Total Endosulfan	ug/L	ND	ND	ND			0.015	Calculated			
Total Halomethanes	ug/L	ND	ND	ND			1	Calculated			
Total HCH	ug/L	ND	ND	ND			0.015	Calculated			
Total Organic Carbon	mg/L	12.3	14.1	16.0				SM 5310C		0.13 - 0.18	5
Total Phenolic Compounds (chlorinated)	ug/L	ND	ND	ND			1.9	Calculated			
Total Phenolic Compounds (non-chlorinated)	ug/L	ND	ND	ND			3.6	Calculated			
Total Phosphorus	mg/L	0.50	0.85	1.31				SM4500P-E		0.01 - 0.031	0.25
Total Suspended Solids	mg/L	9.1	11	17		30		SM 2540D		2.5	4.2 - 22.7
Toxaphene	ug/L	ND	ND	ND		0.035		EPA 608.3/8081/8082	0.5	0.05 - 0.3	0.5
trans-Nonachlor	ug/L	ND	ND	ND				EPA 608.3/8081/8082		0.003 - 0.004	0.01
Tributyltin (TBT)	ug/L	ND	ND	ND			10	Tributyltin by GC/FPD		1.4	3.1
Trichloroethylene	ug/L	ND	ND	ND			0.85	EPA 624.1		0.15	0.5
Tritium	pCi/L	-67.6	-22.3	10.8				EPA 906.0		283 - 324	500
Turbidity (24-Hour composite sample)	NTU	3.0	3.8	5.4		75		SM 2130B		0.05	0.5
Turbidity (Grab sample)	NTU	2.5	3.5	5.4	225			SM 2130B		0.05	0.5
Uranium	pCi/L	1.00	1.31	1.65				EPA 908.0		0.157 - 0.388	1
Vinyl Chloride	ug/L	ND	ND	ND			1.3	EPA 624.1		0.25	0.5
Zinc	ug/L	7.97	11.3	14.6			17	EPA 200.8	1	0.7	1

(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.

TABLE 8-1 WATER QUALITY CHARACTERISTICS AT JWPCP			
Parameter	JWPCP Average Influent Concentration (mg/L)	JWPCP Average Effluent Concentration (mg/L)	Performance Goals (mg/L)
Arsenic	0.00496	0.00200	0.0025
Cadmium	0.0011	ND	0.0001
Chromium (+6) <sup>1</sup>	ND	ND	0.0015
Copper	0.101	0.00316	0.0049
Lead	0.00518	ND	0.0004
Mercury	0.00023	ND	0.00004
Nickel	0.0209	0.00766	0.013
Selenium	0.00987	0.00406	0.011
Silver	0.0011	ND	0.0002
Zinc	0.369	0.0113	0.017
Cyanide	0.00571	0.00172	0.010
Phenols	0.216	ND	-
TICH <sup>2</sup>	ND	0.000002	-
Ammonia	45.7	43.6	47

<sup>1</sup> Total recoverable metals.

<sup>2</sup> Some TICH compounds have monthly average limits or performance goals.

**Table 4.6**  
**JOINT WATER POLLUTION CONTROL PLANT**  
**2020 CALCULATED MASS EMISSION RATE**

Ocean Plan Constituent	Annual Average Concentration (ug/L)	Annual Average Flow (MGD)	Calculated Mass Emission Rate (MT/yr)	12-month Average Mass Emission Benchmarks From Permit (MT/yr)	Ratio, Mass Emission Rate to Benchmark (%)
<b>Marine Aquatic Life Toxicants</b>					
Arsenic	2.00	250	0.692	1.3	53%
Cadmium	ND	250	ND	0.1	ND
Chromium (hexavalent)	ND	250	ND	0.8	ND
Copper	3.16	250	1.09	2.6	42%
Lead	ND	250	ND	0.2	ND
Mercury	ND	250	ND	0.02	ND
Nickel	7.66	250	2.65	6.9	38%
Selenium	4.06	250	1.40	5.9	24%
Silver	ND	250	ND	0.1	ND
Zinc	11.3	250	3.91	9.0	43%
Cyanide	1.72	250	0.595	5.3	11%
Ammonia as N	43600	250	15087	25000	60%
Phenolic compounds (non-chlorinated)	ND	250	ND	1.9	ND
Phenolic compounds (chlorinated)	ND	250	ND	1.0	ND
Endosulfan	ND	250	ND	0.008	ND
HCH	ND	250	ND	0.008	ND
Endrin	ND	250	ND	0.005	ND
<b>Human Health Toxicants - Non Carcinogens</b>					
Acrolein	ND	250	ND	2.7	ND
Antimony	1.64	250	0.567	3.6	16%
Bis(2chloroethoxy)methane	ND	250	ND	0.7	ND
Bis(2chloroisopropyl)ether	ND	250	ND	0.8	ND
Chlorobenzene	ND	250	ND	0.6	ND
Chromium (III)	1.2	250	0.42	1.5	28%
Di-n-butyl-phthalate	ND	250	ND	2.3	ND
Dichlorobenzenes	ND	250	ND	0.3	ND
Diethyl phthalate	ND	250	ND	1.1	ND
Dimethyl phthalate	ND	250	ND	1.0	ND
2-Methyl-4,6-dinitrophenol	ND	250	ND	6.9	ND
2,4-Dinitrophenol	ND	250	ND	9.0	ND
Ethylbenzene	ND	250	ND	1.0	ND
Fluoranthene	ND	250	ND	1.0	ND
Hexachlorocyclopentadiene	ND	250	ND	4.0	ND
Nitrobenzene	ND	250	ND	1.2	ND
Thallium	ND	250	ND	0.3	ND
Toluene	ND	250	ND	0.3	ND
Tributyltin	ND	250	ND	0.005	ND
1,1,1-Trichloroethane	ND	250	ND	1.0	ND
<b>Human Health Toxicants - Carcinogens</b>					
Acrylonitrile	ND	250	ND	1.4	ND
Aldrin	0.002	250	0.0007	0.002	35%
Benzene	ND	250	ND	0.399	ND
Beryllium	ND	250	ND	0.1	ND
Bis(2-chloroethyl) ether	ND	250	ND	0.5	ND
Bis(2-ethylhexyl) phthalate	ND	250	ND	7.4	ND
Carbon tetrachloride	ND	250	ND	0.5	ND
Chlorodibromomethane	0.14	250	0.048	1.3	4%
Chloroform	12.8	250	4.43	13.5	33%
1,4-Dichlorobenzene	ND	250	ND	0.5	ND
1,2-Dichloroethane	ND	250	ND	0.3	ND
1,1-Dichloroethylene	ND	250	ND	0.6	ND
Bromodichloromethane	0.29	250	0.10	0.8	13%
Dichloromethane	1.5	250	0.52	1.6	32%
1,3-Dichloropropene	ND	250	ND	0.3	ND
2,4-Dinitrotoluene	ND	250	ND	0.5	ND
1,2-Diphenylhydrazine	ND	250	ND	0.3	ND
Halomethanes	ND	250	ND	0.5	ND
Hexachlorobutadiene	ND	250	ND	0.4	ND
Hexachloroethane	ND	250	ND	0.4	ND
Isophorone	ND	250	ND	0.3	ND
N-Nitrosodimethylamine	0.24	250	0.083	0.4	21%
N-Nitrosodi-N-propylamine	ND	250	ND	0.3	ND
N-Nitrosodiphenylamine	ND	250	ND	0.4	ND
PAHs	ND	250	ND	0.5	ND
1,1,2,2-Tetrachloroethane	ND	250	ND	0.2	ND
Tetrachloroethylene	0.18	250	0.062	10.6	1%
Trichloroethylene	ND	250	ND	0.5	ND
1,1,2-Trichloroethane	ND	250	ND	0.2	ND
2,4,6-Trichlorophenol	ND	250	ND	0.3	ND
Vinyl Chloride	ND	250	ND	0.7	ND

1. ND = Not Detected

2. Mass Emission Rates were calculated using the annual average concentration and annual average flow and have been rounded in the above table. Values were not rounded when calculating the Ratio.

# **JWPCP Biosolids Monitoring**

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](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](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](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](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](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.

**Public Availability of Information Submitted on and with General Permit Reports**

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 personal information (e.g., non-business cell phone number or non-business email address), 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.

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

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with EPA regulations (40 CFR 503.18, 503.28, and 503.48). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 3 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Facility Information

**Facility Name:** LACSD - JWPCP

**NPDES ID:** CAL053813

Program Information

**Please select all of the following that apply 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).**

110992

**Reporting Period Start Date:** 01/01/2020

**Reporting Period End Date:** 12/31/2020

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 (e.g., Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter, Screw Press)

**Other Processes to Manage Sewage Sludge:**

Methane or Biogas Capture and Recovery

Analytical Methods

Did you or your facility collect sewage sludge or biosolids samples for laboratory analysis?  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: 001

Amount: 8784

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](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](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:	Compliance Monitoring Period End Date:
	<u>01/01/2020</u>	<u>01/31/2020</u>

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	

Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Molybdenum	=	21	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

**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	=	55	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	
Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

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	

**Compliance Monitoring Event No. 2**

**Compliance Monitoring Period Start Date:**  
02/01/2020

**Compliance Monitoring Period End Date:**  
02/29/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Molybdenum	=	20.1	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

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)	=	59600	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date:

Compliance Monitoring Period End Date:

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Molybdenum	=	17.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Nickel	=	31.7	
Selenium	=	28.6	

Zinc	=	673
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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)	=	56900	

**Compliance Monitoring Event No. 4**                      **Compliance Monitoring Period Start Date:** 04/01/2020                      **Compliance Monitoring Period End Date:** 04/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Molybdenum	=	21.5	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

**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 or Pass/Fail)	If No Data, Select One Of The Following
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Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

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)	=	56700	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date:  
05/01/2020

Compliance Monitoring Period End Date:  
05/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Molybdenum	=	20.7	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

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. 6                      Compliance Monitoring Period Start Date: 06/01/2020                      Compliance Monitoring Period End Date: 06/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	

Copper	=	13.8	
Lead	=	0.5	
Mercury	=	16.1	
Molybdenum	=	23.9	
Nickel	=	22.6	
Selenium	=	561	
Zinc	=		

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

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)	=	53800	

**Compliance Monitoring Event No. 7**                      **Compliance Monitoring Period Start Date:** 07/01/2020                      **Compliance Monitoring Period End Date:** 07/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Molybdenum	=	21.1	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

**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	=	50	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

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)	=	56500	

Compliance Monitoring Event No. 8

Compliance Monitoring Period Start Date:  
08/01/2020

Compliance Monitoring Period End Date:  
08/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Molybdenum	=	20.7	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

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	

Compliance Monitoring Event No. 9      Compliance Monitoring Period Start Date: 09/01/2020      Compliance Monitoring Period End Date: 09/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Molybdenum	=	20.2	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

**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 or Pass/Fail)	If No Data, Select One Of The Following

Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

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)	=	53600	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date:  
10/01/2020

Compliance Monitoring Period End Date:  
10/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Molybdenum	=	22.7	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

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)	=	51400	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date:  
11/01/2020

Compliance Monitoring Period End Date:  
11/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	

Mercury	=	0.76	
Molybdenum	=	27	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	
Mercury	=	0.76	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

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)	=	58100	

**Compliance Monitoring Event No. 12**                      **Compliance Monitoring Period Start Date:** 12/01/2020                      **Compliance Monitoring Period End Date:** 12/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Molybdenum	=	19.9	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

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	

ID: 003

Amount: 33379

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  
323-843-7265  
robertford@sy nagro.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](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](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:	Compliance Monitoring Period End Date:
	<u>01/01/2020</u>	<u>01/31/2020</u>

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	
Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Molybdenum	=	21	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

**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	=	1600000	
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	=	55	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	
Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

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	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date:  
02/01/2020

Compliance Monitoring Period End Date:  
02/29/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Molybdenum	=	20.1	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	

Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

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)	=	59600	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date:  
03/01/2020

Compliance Monitoring Period End Date:  
03/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Molybdenum	=	17.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

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)	=	56900	

**Compliance Monitoring Event No. 4**

**Compliance Monitoring Period Start Date:**

04/01/2020

**Compliance Monitoring Period End Date:**

04/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Molybdenum	=	21.5	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

#### 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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

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)	=	56700	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date:  
05/01/2020

Compliance Monitoring Period End Date:  
05/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Molybdenum	=	20.7	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

**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	Value	Parameter Concentration (mg/kg, dry-weight basis	If No Data, Select One Of The
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Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

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. 6

Compliance Monitoring Period Start Date:

06/01/2020

Compliance Monitoring Period End Date:

06/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Molybdenum	=	16.1	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

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)	=	53800	

Compliance Monitoring Event No. 7

Compliance Monitoring Period Start Date:  
07/01/2020Compliance Monitoring Period End Date:  
07/31/2020Do 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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Molybdenum	=	21.1	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

**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	=	12000000	
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	=	50	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

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)	=	56500	

Compliance Monitoring Event No. 8      Compliance Monitoring Period Start Date: 08/01/2020      Compliance Monitoring Period End Date: 08/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Molybdenum	=	20.7	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

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	

**Compliance Monitoring Event No. 9**

**Compliance Monitoring Period Start Date:**  
09/01/2020

**Compliance Monitoring Period End Date:**  
09/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Molybdenum	=	20.2	
Nickel	=	26.5	

Selenium	=	24.3	
Zinc	=	636	

**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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

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)	=	53600	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date:  
10/01/2020

Compliance Monitoring Period End Date:  
10/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Molybdenum	=	22.7	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

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)	=	51400	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date:  
11/01/2020

Compliance Monitoring Period End Date:  
11/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	
Mercury	=	0.76	
Molybdenum	=	27	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

**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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	
Mercury	=	0.76	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

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)	=	58100	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date:  
12/01/2020

Compliance Monitoring Period End Date:  
12/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	

Mercury	=	0.92	
Molybdenum	=	19.9	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

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	

ID: 004

Amount: 18169

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:** CAL001064

**Facility Information:**

INLAND EMPIRE REGIONAL COMPOSTING FACILITY  
P.O. Box 2470  
Chino Hills, CA 91709

**Contact Information:**

Jeff Ziegenbein  
Manager of Regional Compost 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](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](http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116))).

<b>Compliance Monitoring Event No. 1</b>	<b>Compliance Monitoring Period Start Date:</b>	<b>Compliance Monitoring Period End Date:</b>
	<u>01/01/2020</u>	<u>01/31/2020</u>

**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](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](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](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.

<b>Sewage Sludge or Biosolids Parameter</b>	<b>Value Qualifier</b>	<b>Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)</b>	<b>If No Data, Select One Of The Following</b>
Arsenic	=	7.84	
Cadmium	=	4.8	

Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Molybdenum	=	21	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

**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	=	1600000	
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	=	55	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	
Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

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	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date:  
02/01/2020

Compliance Monitoring Period End Date:  
02/29/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Molybdenum	=	20.1	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	

Mercury	=	0.87	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

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)	=	59600	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date:

03/01/2020

Compliance Monitoring Period End Date:

03/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Molybdenum	=	17.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

#### 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)
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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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

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)	=	56900	

**Compliance Monitoring Event No. 4**                      **Compliance Monitoring Period Start Date:** 04/01/2020                      **Compliance Monitoring Period End Date:** 04/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	

Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Molybdenum	=	21.5	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

**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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

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)	=	56700	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date:  
05/01/2020

Compliance Monitoring Period End Date:  
05/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Molybdenum	=	20.7	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	

Copper	=	37.0	
Lead	=	16.9	
Mercury	=	0.68	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

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. 6

Compliance Monitoring Period Start Date:

06/01/2020

Compliance Monitoring Period End Date:

06/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Molybdenum	=	16.1	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

#### 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
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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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

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)	=	53800	

**Compliance Monitoring Event No. 7**                      **Compliance Monitoring Period Start Date:** 07/01/2020                      **Compliance Monitoring Period End Date:** 07/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
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Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Molybdenum	=	21.1	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

**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	=	12000000	
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	=	50	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

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)	=	56500	

Compliance Monitoring Event No. 8                      Compliance Monitoring Period Start Date:                      Compliance Monitoring Period End Date:

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Molybdenum	=	20.7	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	

Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

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	

Compliance Monitoring Event No. 9

Compliance Monitoring Period Start Date:  
09/01/2020

Compliance Monitoring Period End Date:  
09/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Molybdenum	=	20.2	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

#### 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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

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)	=	53600	

**Compliance Monitoring Event No. 10**                      **Compliance Monitoring Period Start Date:** 10/01/2020                      **Compliance Monitoring Period End Date:** 10/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Molybdenum	=	22.7	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

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)	=	51400	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date:  
11/01/2020

Compliance Monitoring Period End Date:  
11/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	
Mercury	=	0.76	
Molybdenum	=	27	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

**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	=	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	Value	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The
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Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	
Mercury	=	0.76	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

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)	=	58100	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date:  
12/01/2020

Compliance Monitoring Period End Date:  
12/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Molybdenum	=	19.9	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	



**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

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	

ID: 005

Amount: 7297

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

Contact Information:  
Richard Kish  
Compost Facility Superintendent

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](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](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:**  
01/01/2020

**Compliance Monitoring Period End Date:**  
01/31/2020

**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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	
Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Molybdenum	=	21	
Nickel	=	34.2	

Selenium	=	31.6	
Zinc	=	740	

**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	=	1600000	
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	=	55	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	
Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

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	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date:  
02/01/2020

Compliance Monitoring Period End Date:  
02/29/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Molybdenum	=	20.1	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

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)	=	59600	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date:  
03/01/2020

Compliance Monitoring Period End Date:  
03/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Molybdenum	=	17.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

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)	=	56900	

Compliance Monitoring Event No. 4

Compliance Monitoring Period Start Date:

04/01/2020

Compliance Monitoring Period End Date:

04/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	

Mercury	=	0.02	
Molybdenum	=	21.5	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

**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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

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)	=	56700	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date:  
05/01/2020

Compliance Monitoring Period End Date:  
05/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Molybdenum	=	20.7	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Nickel	=	36.7	
Selenium	=	28.8	



Selenium	=	28.8	
Zinc	=	753	

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. 6

Compliance Monitoring Period Start Date:  
06/01/2020

Compliance Monitoring Period End Date:  
06/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Molybdenum	=	16.1	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

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)	=	53800	

Compliance Monitoring Event No. 7

Compliance Monitoring Period Start Date: 07/01/2020

Compliance Monitoring Period End Date: 07/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	

Mercury	=	0.84	
Molybdenum	=	21.1	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

**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	=	12000000	
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	=	50	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

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)	=	56500	

Compliance Monitoring Event No. 8      Compliance Monitoring Period Start Date: 08/01/2020      Compliance Monitoring Period End Date: 08/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Molybdenum	=	20.7	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Nickel	=	29.6	

Selenium	=	25.5	
Zinc	=	628	

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	

**Compliance Monitoring Event No. 9**      **Compliance Monitoring Period Start Date:** 09/01/2020      **Compliance Monitoring Period End Date:** 09/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Molybdenum	=	20.2	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

**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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

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)	=	53600	

Compliance Monitoring Event No. 10      Compliance Monitoring Period Start Date: 10/01/2020      Compliance Monitoring Period End Date: 10/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	

Copper	=	32.0	
Lead	=	13	
Mercury	=	0.6	
Molybdenum	=	22.7	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

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)	=	51400	

Compliance Monitoring Event No. 11      Compliance Monitoring Period Start Date: 11/01/2020      Compliance Monitoring Period End Date: 11/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	
Mercury	=	0.76	
Molybdenum	=	27	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

**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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	



Mercury	=	0.76	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

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)	=	58100	

**Compliance Monitoring Event No. 12**                      **Compliance Monitoring Period Start Date:** 12/01/2020                      **Compliance Monitoring Period End Date:** 12/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Molybdenum	=	19.9	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

**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)

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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

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	

ID: 002

Amount: 9811

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  
323-843-7265  
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](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](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:** 01/01/2020 **Compliance Monitoring Period End Date:** 01/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	
Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Molybdenum	=	21	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

**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	=	1600000	
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	=	55	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.84	
Cadmium	=	4.8	
Copper	=	306	
Lead	=	17.7	
Mercury	=	0.86	
Nickel	=	34.2	
Selenium	=	31.6	
Zinc	=	740	

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	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date:  
02/01/2020

Compliance Monitoring Period End Date:  
02/29/2020

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](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](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](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	Value	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The
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Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Molybdenum	=	20.1	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	5.4	
Copper	=	304	
Lead	=	17.2	
Mercury	=	0.87	
Nickel	=	33.1	
Selenium	=	30.3	
Zinc	=	778	

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)	=	59600	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date:  
03/01/2020

Compliance Monitoring Period End Date:  
03/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Molybdenum	=	17.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	

Cadmium	=	7.5	
Copper	=	268	
Lead	=	14.5	
Mercury	=	0.7	
Nickel	=	31.7	
Selenium	=	28.6	
Zinc	=	673	

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)	=	56900	

Compliance Monitoring Event No. 4

Compliance Monitoring Period Start Date:  
04/01/2020

Compliance Monitoring Period End Date:  
04/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Molybdenum	=	21.5	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

#### 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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	6.6	
Copper	=	321	
Lead	=	16.3	
Mercury	=	0.62	
Nickel	=	37.3	
Selenium	=	28.9	
Zinc	=	720	

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)	=	56700	

**Compliance Monitoring Event No. 5**                      **Compliance Monitoring Period Start Date:** 05/01/2020                      **Compliance Monitoring Period End Date:** 05/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Molybdenum	=	20.7	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.87	
Cadmium	=	4.8	
Copper	=	310	
Lead	=	16.9	
Mercury	=	0.68	
Nickel	=	36.7	
Selenium	=	28.8	
Zinc	=	753	

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. 6

Compliance Monitoring Period Start Date:  
06/01/2020

Compliance Monitoring Period End Date:  
06/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Molybdenum	=	16.1	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

**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	Value	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The
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Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	5.88	
Cadmium	=	3.2	
Copper	=	212	
Lead	=	13.8	
Mercury	=	0.5	
Nickel	=	23.9	
Selenium	=	22.6	
Zinc	=	561	

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)	=	53800	

Compliance Monitoring Event No. 7

Compliance Monitoring Period Start Date:  
07/01/2020

Compliance Monitoring Period End Date:  
07/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Molybdenum	=	21.1	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

**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	=	12000000	
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	=	50	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.99	
Cadmium	=	3	
Copper	=	276	
Lead	=	13.6	
Mercury	=	0.84	
Nickel	=	30	
Selenium	=	24.8	
Zinc	=	618	

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)	=	56500	

Compliance Monitoring Event No. 8

Compliance Monitoring Period Start Date:  
08/01/2020Compliance Monitoring Period End Date:  
08/31/2020Do 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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Molybdenum	=	20.7	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

#### 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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.49	
Cadmium	=	3.5	
Copper	=	275	
Lead	=	12.2	
Mercury	=	0.53	
Nickel	=	29.6	
Selenium	=	25.5	
Zinc	=	628	

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	

Compliance Monitoring Event No. 9      Compliance Monitoring Period Start Date: 09/01/2020      Compliance Monitoring Period End Date: 09/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Molybdenum	=	20.2	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

**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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.42	
Cadmium	=	3.6	
Copper	=	353	
Lead	=	11.3	
Mercury	=	0.48	
Nickel	=	26.5	
Selenium	=	24.3	
Zinc	=	636	

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)	=	53600	

Compliance Monitoring Event No. 10

Compliance Monitoring Period Start Date:  
10/01/2020

Compliance Monitoring Period End Date:  
10/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Molybdenum	=	22.7	
Nickel	=	34	

Selenium	=	28.2	
Zinc	=	699	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.46	
Cadmium	=	4	
Copper	=	326	
Lead	=	13	
Mercury	=	0.6	
Nickel	=	34	
Selenium	=	28.2	
Zinc	=	699	

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)	=	51400	

Compliance Monitoring Event No. 11

Compliance Monitoring Period Start Date:  
11/01/2020

Compliance Monitoring Period End Date:  
11/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	
Mercury	=	0.76	
Molybdenum	=	27	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

#### 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	=	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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.3	
Copper	=	373	
Lead	=	13.5	
Mercury	=	0.76	
Nickel	=	36.3	
Selenium	=	26.4	
Zinc	=	801	

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)	=	58100	

Compliance Monitoring Event No. 12

Compliance Monitoring Period Start Date:  
12/01/2020

Compliance Monitoring Period End Date:  
12/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Molybdenum	=	19.9	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.7	
Cadmium	=	4.7	
Copper	=	298	
Lead	=	10.8	
Mercury	=	0.92	
Nickel	=	29.3	
Selenium	=	27.9	
Zinc	=	652	

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	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 006

Amount: 33366

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:  
Eulas Thomas  
Mine Superintendent  
661-303-1383  
Eulas.Thomas@hmholloway.com

**Pathogen Class:**

Do you have any deficiencies to report for this SSUID?  YES  NO  UNKNOWN

ID: 007

Amount: 116

Management Practice Detail: Other

Other Management Practice Detail Description: Energy Recovery

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

NPDES ID of handler:

**Facility Information:**

Anaergia's Rialto Bioenergy Facility  
503 East Santa Ana Avenue  
Bloomington, CA 92316

**Contact Information:**

Yaniv Scherson  
Managing Director, Western US  
760-436-8870 ext. 169  
yaniv.scherson@anaergia.com

Pathogen Class: Not Applicable

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
JWPCP_NANI_Data_Summary.pdf	02/01/2021 3:52 PM	178.78 KB
2020 Annual Report - Denali Water Solutions 1.pdf	02/01/2021 4:08 PM	672.25 KB
2020 Annual Report - Denali Water Solutions 2.pdf	02/01/2021 4:08 PM	1.52 MB

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:** 02/09/2021 1:42 PM

**2020 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
20011500279	1/14/2020	29.0	7.84	4.8	87	306	17.7	0.86	21.0	34.2	31.6	740	6,720
20020500318	2/4/2020	28.6	7.17	5.4	78	304	17.2	0.87	20.1	33.1	30.3	778	-
20030400309	3/3/2020	28.2	7.10	7.5	118	268	14.5	0.70	17.7	31.7	28.6	673	-
20040800288	4/7/2020	28.5	7.39	6.6	90	321	16.3	0.62	21.5	37.3	28.9	720	6,350
20050600221	5/5/2020	28.8	7.87	4.8	103	310	16.9	0.68	20.7	36.7	28.8	753	-
20060400221	6/3/2020	28.8	5.88	3.2	72	212	13.8	0.50	16.1	23.9	22.6	561	-
20071500234	7/14/2020	28.3	6.99	3.0	65	276	13.6	0.84	21.1	30.0	24.8	618	5,900
20080600285	8/5/2020	28.3	7.49	3.5	72	275	12.2	0.53	20.7	29.6	25.5	628	-
20091500123	9/14/2020	27.6	7.42	3.6	57	353	11.3	0.48	20.2	26.5	24.3	636	-
20100700399	10/6/2020	28.3	8.46	4.0	62	326	13.0	0.60	22.7	34.0	28.2	699	5,870
20110400425	11/3/2020	28.9	8.70	4.3	80	373	13.5	0.76	27.0	36.3	26.4	801	-
20120900289	12/8/2020	28.6	8.70	4.7	66	298	10.8	0.92	19.9	29.3	27.9	652	-
<b>MEAN</b>		<b>28.5</b>	<b>7.58</b>	<b>4.6</b>	<b>79</b>	<b>302</b>	<b>14.2</b>	<b>0.70</b>	<b>20.7</b>	<b>31.9</b>	<b>27.3</b>	<b>688</b>	<b>6,210</b>
<b>MAX</b>			<b>8.70</b>	<b>7.5</b>	<b>118</b>	<b>373</b>	<b>17.7</b>	<b>0.92</b>	<b>27.0</b>	<b>37.3</b>	<b>31.6</b>	<b>801</b>	<b>6,720</b>
<b>TABLE 1 LIMITS</b>		\	<b>75</b>	<b>85</b>	\	<b>4,300</b>	<b>840</b>	<b>57</b>	<b>75</b>	<b>420</b>	<b>100</b>	<b>7,500</b>	\
<b>TABLE 3 LIMITS</b>		\	<b>41</b>	<b>39</b>	\	<b>1,500</b>	<b>300</b>	<b>17</b>	\	<b>420</b>	<b>100</b>	<b>2,800</b>	\

Sample No.	Date	% TS	Sb	Ba	Be	Co	Fe	Mn	K	Ag	Tl	Sn	V
20011500279	1/14/2020	29.0	2.7	1,180	0.082	4.4	93,300	206	1,020	3.1	< 0.20	64.1	57.5
20020500318	2/4/2020	28.6	-	-	-	-	-	-	-	-	-	-	-
20030400309	3/3/2020	28.2	-	-	-	-	-	-	-	-	-	-	-
20040800288	4/7/2020	28.5	3.1	1,030	0.070	5.1	92,300	203	969	2.9	< 0.20	83.8	82.8
20050600221	5/5/2020	28.8	-	-	-	-	-	-	-	-	-	-	-
20060400221	6/3/2020	28.8	-	-	-	-	-	-	-	-	-	-	-
20071500234	7/14/2020	28.3	2.2	814	< 0.05	3.7	81,600	177	788	2.4	< 0.20	50.6	52.3
20080600285	8/5/2020	28.3	-	-	-	-	-	-	-	-	-	-	-
20091500123	9/14/2020	27.6	-	-	-	-	-	-	-	-	-	-	-
20100700399	10/6/2020	28.3	2.4	868	0.096	4.6	86,300	203	854	2.4	< 0.20	79.8	40.2
20110400425	11/3/2020	28.9	-	-	-	-	-	-	-	-	-	-	-
20120900289	12/8/2020	28.6	-	-	-	-	-	-	-	-	-	-	-
<b>MEAN</b>		<b>28.5</b>	<b>2.6</b>	<b>970</b>	<b>0.253</b>	<b>4.5</b>	<b>88,400</b>	<b>197</b>	<b>908</b>	<b>2.7</b>	<b>0.10</b>	<b>69.6</b>	<b>58.2</b>
<b>MAX</b>			<b>3.1</b>	<b>1,180</b>	<b>0.820</b>	<b>5.1</b>	<b>93,300</b>	<b>206</b>	<b>1,020</b>	<b>3.1</b>	<b>0.10</b>	<b>83.8</b>	<b>82.8</b>

\ = No limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

**2020 BIOSOLIDS MANAGEMENT PROGRAM**  
**JWPCP Biosolids Cake - Nutrients and Miscellaneous Constituents**  
**mg/kg Dry Weight (or as indicated)**

Sample No.	Date	% TS	Sulfur	PO <sub>4</sub>	NH <sub>3</sub> -N	Org-N	NO <sub>3</sub> -N	NO <sub>2</sub> -N	Boron	pH	Fecal		
											Coliform (MPN/g)	TKN	TN
20011500279	1/14/2020	29.0	31,500	84,100	4,910	49,700	< 137	< 3.45	26.5	8.4	1,600,000	54,600	54,700
20020500318	2/4/2020	28.6	32,200	-	5,560	54,000	< 138	< 7.00	-	-	-	59,500	59,600
20030400309	3/3/2020	28.2	25,600	-	6,890	49,900	< 142	< 7.09	-	-	-	56,800	56,900
20040800288	4/7/2020	28.5	33,300	78,200	4,610	52,000	< 140	< 7.02	25.0	8.2	-	56,600	56,700
20050600221	5/5/2020	28.8	33,100	-	6,390	46,300	< 138	< 6.94	-	-	-	52,700	52,800
20060400221	6/3/2020	28.8	29,100	-	4,540	49,200	< 138	< 6.94	-	-	-	53,800	53,800
20071500234	7/14/2020	28.3	32,100	82,100	3,900	52,500	< 140	< 7.06	22.7	8.2	12,000,000	56,400	56,500
20080600285	8/5/2020	28.3	36,600	-	4,610	50,000	< 140	< 7.06	-	-	-	54,600	54,700
20091500123	9/14/2020	27.6	32,100	-	4,150	49,400	< 138	< 7.24	-	-	-	53,500	53,600
20100700399	10/6/2020	28.3	34,700	76,700	4,210	47,100	< 140	< 7.05	22.5	7.9	-	51,300	51,400
20110400425	11/3/2020	28.9	29,600	-	4,830	53,200	< 138	< 6.92	-	-	-	58,000	58,100
20120900289	12/8/2020	28.6	30,500	-	8,000	47,000	< 137	< 6.98	-	-	-	55,000	55,100
<b>MEAN</b>		<b>28.5</b>	<b>31,700</b>	<b>80,300</b>	<b>5,220</b>	<b>50,000</b>	<b>69</b>	<b>3.36</b>	<b>24.2</b>	<b>8.2</b>	<b>6,800,000</b>	<b>55,200</b>	<b>55,300</b>
<b>MAX</b>			<b>36,600</b>	<b>84,100</b>	<b>8,000</b>	<b>54,000</b>	<b>71</b>	<b>3.62</b>	<b>26.5</b>	<b>8.4</b>	<b>12,000,000</b>	<b>59,500</b>	<b>59,600</b>

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
20011500282	1/14/2020	140	0.05	0.12	24.6	< 0.01	< 0.005	1.19	0.05	< 0.10	2,100
20040800290	4/7/2020	140	0.04	0.11	30.1	< 0.01	< 0.005	1.22	0.07	0.104	2,270
20071500237	7/14/2020	133	0.04	0.12	19.7	< 0.01	< 0.005	1.12	0.06	< 0.10	2,380
20100700401	10/6/2020	131	0.03	0.12	19.1	< 0.01	< 0.005	0.95	0.74	< 0.10	2,200
<b>MEAN</b>		<b>136</b>	<b>0.04</b>	<b>0.12</b>	<b>23.4</b>	<b>0.005</b>	<b>0.0025</b>	<b>1.12</b>	<b>0.23</b>	<b>0.06</b>	<b>2,240</b>
<b>MAX</b>		<b>140</b>	<b>0.05</b>	<b>0.12</b>	<b>30.1</b>	<b>0.005</b>	<b>0.0025</b>	<b>1.22</b>	<b>0.74</b>	<b>0.10</b>	<b>2,380</b>
<b>TITLE 22 STLCs</b>		<b>\</b>	<b>15</b>	<b>5.0</b>	<b>100</b>	<b>0.75</b>	<b>1</b>	<b>5</b>	<b>80</b>	<b>25</b>	<b>\</b>

Sample No.	Date	Pb	Hg	Mo	Ni	K	Se	Ag	Tl	Sn	V	Zn
20011500282	1/14/2020	0.06	< 0.0005	0.27	< 1.00	< 50.0	0.05	< 0.02	< 0.04	< 0.04	1.05	9.30
20040800290	4/7/2020	0.04	< 0.0005	0.25	< 1.00	< 50.0	0.03	< 0.02	< 0.04	0.047	1.66	15.4
20071500237	7/14/2020	0.03	< 0.0005	0.25	< 1.00	< 50.0	0.03	< 0.02	< 0.04	< 0.04	1.17	6.6
20100700401	10/6/2020	0.02	< 0.0005	0.24	< 1.00	< 50.0	0.03	< 0.02	< 0.04	0.044	0.85	6.1
<b>MEAN</b>		<b>0.04</b>	<b>0.00025</b>	<b>0.25</b>	<b>0.5</b>	<b>25.0</b>	<b>0.03</b>	<b>0.01</b>	<b>0.02</b>	<b>0.03</b>	<b>1.18</b>	<b>9.3</b>
<b>MAX</b>		<b>0.06</b>	<b>0.00025</b>	<b>0.27</b>	<b>0.5</b>	<b>25.0</b>	<b>0.05</b>	<b>0.01</b>	<b>0.02</b>	<b>0.05</b>	<b>1.66</b>	<b>15.4</b>
<b>TITLE 22 STLCs</b>		<b>5.0</b>	<b>0.2</b>	<b>350</b>	<b>20</b>	<b>\</b>	<b>1.0</b>	<b>5</b>	<b>7.0</b>	<b>\</b>	<b>24</b>	<b>250</b>

ND = Not Detected

\ = No Limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

## 2020 BIOSOLIDS MANAGEMENT PROGRAM

### JWPCP Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)
January	96.1	21	55
February	96.1	20	54
March	96.1	20	52
April	96.2	22	53
May	96.2	21	52
June	96.1	20	52
July	96.1	20	50
August	96.2	21	52
September	96.1	22	53
October	96.1	24	51
November	96.0	30	53
December	96.1	23	54
<b>MEAN</b>	<b>96.1</b>	<b>22</b>	<b>53</b>
<b>MIN</b>	<b>96.0</b>	<b>20</b>	<b>50</b>

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

Date	1/14/20	7/14/20
<b>Sample Numbers</b>	20011500279	20071500234
	20011500280	20071500235
<b>Constituent</b>	<b>Result (mg/kg)</b>	<b>Result (mg/kg)</b>
Arsenic	7.84	6.99
Beryllium	0.082	< 0.05
Cadmium	4.8	3.0
Chromium	87.1	65
Copper	306	276
Lead	17.7	13.6
Mercury	0.86	0.84
Nickel	34.2	30
Selenium	31.6	24.8
Silver	3.1	2.4
Zinc	740	51
Antimony	2.7	2.2
Total Cyanide	0.5	0.0
Diethylhexyl Phthalate	46.9	35.2



**JWPCP BIOSOLIDS CAKE  
2020 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES**

Sample Numbers	20011500279	20071500234	
	20011500280	20071500235	
Sample Date:	1/14/2020	7/14/2020	Dry Weight
Description	Result	Result	Unit of Measure
PH	8.4	8.2	PH
TOTAL SOLIDS	29.0	28.3	%
TOTAL CYANIDE	2.24	0.55	MG/KG CN
ARSENIC	7.84	6.99	MG/KG AS
CADMIUM	4.8	3.0	MG/KG CD
TOTAL CHROMIUM	87	65	MG/KG CR
COPPER	306	276	MG/KG CU
LEAD	17.7	13.6	MG/KG PB
MERCURY	0.86	0.84	MG/KG HG
NICKEL	34.2	30.0	MG/KG NI
SELENIUM	31.6	24.8	MG/KG SE
SILVER	3.1	2.4	MG/KG AG
ZINC	740	618	MG/KG ZN
ANTIMONY	2.7	2.2	MG/KG SB
BERYLLIUM	0.082	< 0.050	MG/KG BE
THALLIUM	< 0.2	< 0.20	MG/KG TL
BARIUM	1,180	814	MG/KG BA
ALUMINUM	6,720	5,900	MG/KG AL
COBALT	4.4	3.7	MG/KG CO
IRON	93,300	81,600	MG/KG FE
MANGANESE	206	177	MG/KG MN
POTASSIUM	1,020	788	MG/KG K
MOLYBDENUM	21.0	21.1	MG/KG MO
TIN	64.1	50.6	MG/KG SN
VANADIUM	57.5	52.3	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	< 34.5	< 35.2	MG/KG
CHLOROFORM	< 0.540	< 0.034	MG/KG
1,1,1-TRICHLOROETHANE	< 0.540	< 0.034	MG/KG
CARBON TETRACHLORIDE	< 0.540	< 0.034	MG/KG

**JWPCP BIOSOLIDS CAKE  
2020 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES**

Sample Numbers	20011500279	20071500234	
	20011500280	20071500235	
Sample Date:	1/14/2020	7/14/2020	Dry Weight
Description	Result	Result	Unit of Measure
TRICHLOROETHYLENE	< 0.540	< 0.034	MG/KG
TETRACHLOROETHYLENE	< 0.540	< 0.034	MG/KG
CHLOROENZENE	< 0.540	< 0.034	MG/KG
VINYL CHLORIDE	< 0.540	< 0.034	MG/KG
1,1,2-TRICHLOROETHANE	< 0.540	< 0.034	MG/KG
1,2-DICHLOROETHANE	< 0.540	< 0.034	MG/KG
TOLUENE	< 0.540	< 0.034	MG/KG
ETHYL BENZENE	< 0.540	< 0.034	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.540	< 0.034	MG/KG
BROMOMETHANE	< 0.540	< 0.034	MG/KG
CHLOROETHANE	< 0.540	< 0.034	MG/KG
2-CHLOROETHYL VINYLETHER	< 0.540	< 0.034	MG/KG
1,2-DICHLOROPROPANE	< 0.540	< 0.034	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.540	< 0.034	MG/KG
ACROLEIN	< 0.540	< 0.034	MG/KG
ACRYLONITRILE	< 0.540	< 0.034	MG/KG
ACENAPHTHENE	< 34.5	< 35.2	MG/KG
ACENAPHTHYLENE	< 34.5	< 35.2	MG/KG
ANTHRACENE	< 34.5	< 35.2	MG/KG
BENZIDINE	< 172	< 176	MG/KG
BENZO(A)ANTHRACENE	< 34.5	< 35.2	MG/KG
BENZO(A)PYRENE	< 34.5	< 35.2	MG/KG
BENZO(B)FLUORANTHENE	< 34.5	< 35.2	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 34.5	< 35.2	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 34.5	< 35.2	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 34.5	< 35.2	MG/KG
DIETHYLHEXYL PHTHALATE	46.9	50.4	MG/KG
BUTYLBENZYL PHTHALATE	< 34.5	< 35.2	MG/KG
2-CHLORONAPHTHALENE	< 34.5	< 35.2	MG/KG
CHRYSENE	< 34.5	< 35.2	MG/KG
DIBENZO(A,H)ANTHRACENE	< 34.5	< 35.2	MG/KG
1,2-DICHLOROBENZENE	< 34.5	< 35.2	MG/KG
1,3-DICHLOROBENZENE	< 34.5	< 35.2	MG/KG
1,4-DICHLOROBENZENE	< 34.5	< 35.2	MG/KG
3,3'-DICHLOROBENZIDINE	< 69.0	< 70.5	MG/KG
DIETHYL PHTHALATE	< 34.5	< 35.2	MG/KG
METHYLENE CHLORIDE	< 0.540	< 0.034	MG/KG
DI-N-BUTYL PHTHALATE	< 34.5	< 35.2	MG/KG
2,4-DINITROTOLUENE	< 34.5	< 35.2	MG/KG
DI-N-OCTYL PHTHALATE	< 34.5	< 35.2	MG/KG
1,2-DIPHENYLHYDRAZINE	< 34.5	< 35.2	MG/KG
FLUORANTHENE	< 34.5	< 35.2	MG/KG
FLUORENE	< 34.5	< 35.2	MG/KG
HEXACHLOROBENZENE	< 34.5	< 35.2	MG/KG
HEXACHLOROBUTADIENE	< 34.5	< 35.2	MG/KG
HEXACHLOROETHANE	< 34.5	< 35.2	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 34.5	< 35.2	MG/KG
ISOPHORONE	< 34.5	< 35.2	MG/KG
NAPHTHALENE	< 34.5	< 35.2	MG/KG
NITROBENZENE	< 34.5	< 35.2	MG/KG
DIMETHYL PHTHALATE	< 34.5	< 35.2	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 34.5	< 35.2	MG/KG
PHENANTHRENE	< 34.5	< 35.2	MG/KG

**JWPCP BIOSOLIDS CAKE  
2020 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES**

Sample Numbers	20011500279	20071500234	
	20011500280	20071500235	
<b>Sample Date:</b>	<b>1/14/2020</b>	<b>7/14/2020</b>	<b>Dry Weight</b>
<b>Description</b>	<b>Result</b>	<b>Result</b>	<b>Unit of Measure</b>
PYRENE	< 34.5	< 35.2	MG/KG
2,3,7,8-TCDD	< 0.0079	< 0.007	NG/KG
2-CHLOROPHENOL	< 34.5	< 35.2	MG/KG
1,2,4-TRICHLOROBENZENE	< 34.5	< 35.2	MG/KG
2,4-DICHLOROPHENOL	< 34.5	< 35.2	MG/KG
4-CHLORO-3-METHYLPHENOL	< 34.5	< 35.2	MG/KG
2,4-DINITROPHENOL	< 69.0	< 70.5	MG/KG
2-NITROPHENOL	< 34.5	< 35.2	MG/KG
4-NITROPHENOL	< 69.0	< 70.5	MG/KG
PENTACHLOROPHENOL	< 69.0	< 70.5	MG/KG
PHENOL	< 34.5	< 35.2	MG/KG
2,4,6-TRICHLOROPHENOL	< 34.5	< 35.2	MG/KG
N-NITROSODIPHENYLAMINE	< 34.5	< 35.2	MG/KG
O-CRESOL	< 69.0	< 70.5	MG/KG
M+P CRESOL	< 69.0	< 70.5	MG/KG
MALATHION	< 8.1	< 3.0	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	< 0.025	< 0.025	MG/KG
2,4-D(ACID)	< 12.0	< 13.0	MG/KG
2,4,5-TP(SILVEX)	< 12.0	< 13.0	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	< 0.540	< 0.034	MG/KG
BROMODICHLOROMETHANE	< 0.540	< 0.034	MG/KG
DIBROMOCHLOROMETHANE	< 0.540	< 0.034	MG/KG
BROMOFORM	< 0.540	< 0.034	MG/KG
O-DICHLOROBENZENE	< 0.540	< 0.034	MG/KG
M-DICHLOROBENZENE	< 0.540	< 0.034	MG/KG
P-DICHLOROBENZENE	< 0.540	< 0.034	MG/KG
1,1-DICHLOROETHANE	< 0.540	< 0.034	MG/KG
BENZENE	< 0.540	< 0.034	MG/KG
CHLOROMETHANE	< 0.540	< 0.034	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.540	< 0.034	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.540	< 0.034	MG/KG
FREON 12	< 0.540	< 0.034	MG/KG
FREON 11	< 0.540	< 0.034	MG/KG
BENZO(G.H.I.)PERYLENE	< 34.5	< 35.2	MG/KG
BENZO(K)FLUORANTHENE	< 34.5	< 35.2	MG/KG
4-BROMOPHENYL PHENYLEETHER	< 34.5	< 35.2	MG/KG
4-CHLOROPHENYLPHENYLEETHER	< 34.5	< 35.2	MG/KG
2,6-DINITROTOLUENE	< 34.5	< 35.2	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 69.0	< 70.5	MG/KG
2-METHYL-4,6DINITROPHENOL	< 34.5	< 35.2	MG/KG
2,4-DIMETHYLPHENOL	< 34.5	< 35.2	MG/KG
PYRIDINE	< 34.5	< 35.2	MG/KG

ND = None Detected



## **Annual Biosolids Report**

**Los Angeles County Sanitation District**

**2020**



January 29, 2021

Los Angeles County Sanitation District  
1955 Workman Mill Road  
Whittier, CA 90601

Re: 2020 Annual Report

Attached is Denali Water Solutions 2020 Annual Report for the Los Angeles County Sanitation District's biosolids. Included in this report are annual application 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

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- **Annual Application Reports – 2020**
- **Field Application Reports – 2020**
- **Field Maps**
- **Certification Statement**

## **Annual Application Reports - 2020**



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/30/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 5-6  
**Acreage:** 277  
**Application Method:** Surface  
**Volume Applied:** 660.71 WT

**Wet Tons Applied:** 660.71  
**Dry Tons Applied:** 192.93  
**Wet Metric Tons Applied:** 599.79  
**Dry Metric Tons Applied:** 175.14  
**Wet Tons/Acre Applied:** 2.39  
**Dry Tons/Acre Applied:** 0.70  
**Wet Metric Tons/ha Applied:** 2.17  
**Dry Metric Tons/ha Applied:** 0.63

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.20%		
TKN	54,776.00	85.5228	76.3017
NH3	4,140.00	6.4639	5.7669
NO3	0.00	0.0000	0.0000
Organic N	0.00	79.0589	70.5348
As	7.10	0.0111	0.0099
Cd	4.50	0.0070	0.0063
Cr	107.00	0.1671	0.1490
Cu	333.00	0.5199	0.4639
Pb	18.50	0.0289	0.0258
Hg	0.62	0.0010	0.0009
Mo	22.20	0.0347	0.0309
Ni	36.60	0.0571	0.0510
Se	29.60	0.0462	0.0412
Zn	775.00	1.2100	1.0796
PAN	12,197.20	19.0437	16.9904
P	0.00	0.0000	0.0000





## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-0901  
**Acreage:** 78.50  
**Application Method:** Surface  
**Volume Applied:** 458.94 WT

**Wet Tons Applied:** 458.94  
**Dry Tons Applied:** 134.01  
**Wet Metric Tons Applied:** 416.63  
**Dry Metric Tons Applied:** 121.65  
**Wet Tons/Acre Applied:** 5.85  
**Dry Tons/Acre Applied:** 1.71  
**Wet Metric Tons/ha Applied:** 5.31  
**Dry Metric Tons/ha Applied:** 1.55

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.20%		
TKN	54,776.00	209.6220	187.0206
NH3	4,140.00	15.8433	14.1351
NO3	0.00	0.0000	0.0000
Organic N	0.00	193.7787	172.8855
As	7.10	0.0272	0.0242
Cd	4.50	0.0172	0.0154
Cr	107.00	0.4095	0.3653
Cu	333.00	1.2744	1.1370
Pb	18.50	0.0708	0.0632
Hg	0.62	0.0024	0.0021
Mo	22.20	0.0850	0.0758
Ni	36.60	0.1401	0.1250
Se	29.60	0.1133	0.1011
Zn	775.00	2.9658	2.6461
PAN	12,197.20	46.6774	41.6447
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-0902  
**Acreage:** 79.50  
**Application Method:** Surface  
**Volume Applied:** 1,546.09 WT

**Wet Tons Applied:** 1,546.09  
**Dry Tons Applied:** 437.62  
**Wet Metric Tons Applied:** 1,403.54  
**Dry Metric Tons Applied:** 397.27  
**Wet Tons/Acre Applied:** 19.45  
**Dry Tons/Acre Applied:** 5.50  
**Wet Metric Tons/ha Applied:** 17.65  
**Dry Metric Tons/ha Applied:** 5.00

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.60%		
TKN	59,560.00	709.8141	633.2820
NH3	5,560.00	80.6785	71.9797
NO3	0.00	0.0000	0.0000
Organic N	0.00	629.1356	561.3022
As	7.17	0.0878	0.0784
Cd	5.40	0.0857	0.0765
Cr	78.00	1.3255	1.1826
Cu	304.00	3.4246	3.0553
Pb	17.20	0.1877	0.1675
Hg	0.87	0.0092	0.0082
Mo	20.10	0.2262	0.2019
Ni	0.00	0.2877	0.2567
Se	30.30	0.3585	0.3198
Zn	778.00	8.6474	7.7150
PAN	13,580.00	166.1664	148.2503
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-0903  
**Acreage:** 80.90  
**Application Method:** Surface  
**Volume Applied:** 1,608.31 WT

**Wet Tons Applied:** 1,608.31  
**Dry Tons Applied:** 459.98  
**Wet Metric Tons Applied:** 1,460.02  
**Dry Metric Tons Applied:** 417.57  
**Wet Tons/Acre Applied:** 19.88  
**Dry Tons/Acre Applied:** 5.69  
**Wet Metric Tons/ha Applied:** 18.05  
**Dry Metric Tons/ha Applied:** 5.16

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.60%		
TKN	59,560.00	759.1358	677.2858
NH3	5,560.00	70.8663	63.2255
NO3	0.00	0.0000	0.0000
Organic N	0.00	688.2695	614.0603
As	7.17	0.0914	0.0815
Cd	5.40	0.0688	0.0614
Cr	78.00	0.9942	0.8870
Cu	304.00	3.8747	3.4569
Pb	17.20	0.2192	0.1956
Hg	0.87	0.0111	0.0099
Mo	20.10	0.2562	0.2286
Ni	0.00	0.0000	0.0000
Se	30.30	0.3862	0.3446
Zn	778.00	9.9162	8.8470
PAN	13,580.00	173.0870	154.4248
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-1001  
**Acreage:** 78.20  
**Application Method:** Surface  
**Volume Applied:** 984.77 WT

**Wet Tons Applied:** 984.77  
**Dry Tons Applied:** 287.55  
**Wet Metric Tons Applied:** 893.97  
**Dry Metric Tons Applied:** 261.04  
**Wet Tons/Acre Applied:** 12.59  
**Dry Tons/Acre Applied:** 3.68  
**Wet Metric Tons/ha Applied:** 11.43  
**Dry Metric Tons/ha Applied:** 3.34

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.20%		
TKN	54,776.00	451.5218	402.8388
NH3	4,140.00	34.1263	30.4468
NO3	0.00	0.0000	0.0000
Organic N	0.00	417.3956	372.3920
As	7.10	0.0585	0.0522
Cd	4.50	0.0371	0.0331
Cr	107.00	0.8820	0.7869
Cu	333.00	2.7449	2.4490
Pb	18.50	0.1525	0.1361
Hg	0.62	0.0051	0.0046
Mo	22.20	0.1830	0.1633
Ni	36.60	0.3017	0.2692
Se	29.60	0.2440	0.2177
Zn	775.00	6.3884	5.6996
PAN	12,197.20	100.5422	89.7018
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-1002  
**Acreage:** 76.10  
**Application Method:** Surface  
**Volume Applied:** 1,038.60 WT

**Wet Tons Applied:** 1,038.60  
**Dry Tons Applied:** 303.27  
**Wet Metric Tons Applied:** 942.84  
**Dry Metric Tons Applied:** 275.31  
**Wet Tons/Acre Applied:** 13.65  
**Dry Tons/Acre Applied:** 3.99  
**Wet Metric Tons/ha Applied:** 12.39  
**Dry Metric Tons/ha Applied:** 3.62

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.20%		
TKN	54,776.00	489.3441	436.5830
NH3	4,140.00	36.9849	32.9972
NO3	0.00	0.0000	0.0000
Organic N	0.00	452.3592	403.5858
As	7.10	0.0634	0.0566
Cd	4.50	0.0402	0.0359
Cr	107.00	0.9559	0.8528
Cu	333.00	2.9749	2.6541
Pb	18.50	0.1653	0.1475
Hg	0.62	0.0055	0.0049
Mo	22.20	0.1983	0.1769
Ni	36.60	0.3270	0.2917
Se	29.60	0.2644	0.2359
Zn	775.00	6.9235	6.1770
PAN	12,197.20	108.9643	97.2158
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-1004  
**Acreage:** 50.20  
**Application Method:** Surface  
**Volume Applied:** 229.40 WT

**Wet Tons Applied:** 229.40  
**Dry Tons Applied:** 65.61  
**Wet Metric Tons Applied:** 208.25  
**Dry Metric Tons Applied:** 59.56  
**Wet Tons/Acre Applied:** 4.57  
**Dry Tons/Acre Applied:** 1.31  
**Wet Metric Tons/ha Applied:** 4.15  
**Dry Metric Tons/ha Applied:** 1.19

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.60%		
TKN	59,560.00	174.4970	155.6827
NH3	5,560.00	16.2895	14.5332
NO3	0.00	0.0000	0.0000
Organic N	0.00	158.2075	141.1495
As	7.17	0.0210	0.0187
Cd	5.40	0.0158	0.0141
Cr	78.00	0.2285	0.2039
Cu	304.00	0.8906	0.7946
Pb	17.20	0.0504	0.0450
Hg	0.87	0.0025	0.0023
Mo	20.10	0.0589	0.0525
Ni	0.00	0.0000	0.0000
Se	30.30	0.0888	0.0792
Zn	778.00	2.2794	2.0336
PAN	13,580.00	39.7862	35.4965
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-1006  
**Acreage:** 65.80  
**Application Method:** Surface  
**Volume Applied:** 226.19 WT

**Wet Tons Applied:** 226.19  
**Dry Tons Applied:** 65.44  
**Wet Metric Tons Applied:** 205.34  
**Dry Metric Tons Applied:** 59.41  
**Wet Tons/Acre Applied:** 3.44  
**Dry Tons/Acre Applied:** 0.99  
**Wet Metric Tons/ha Applied:** 3.12  
**Dry Metric Tons/ha Applied:** 0.90

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.20%		
TKN	54,776.00	126.8129	113.1399
NH3	4,140.00	10.6211	9.4760
NO3	0.00	0.0000	0.0000
Organic N	0.00	116.1918	103.6640
As	7.10	0.0159	0.0142
Cd	4.50	0.0109	0.0097
Cr	107.00	0.2102	0.1875
Cu	333.00	0.7141	0.6371
Pb	18.50	0.0400	0.0357
Hg	0.62	0.0016	0.0015
Mo	22.20	0.0474	0.0423
Ni	36.60	0.0458	0.0408
Se	29.60	0.0667	0.0595
Zn	775.00	1.7309	1.5442
PAN	12,197.20	28.5489	25.4708
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-1007  
**Acreage:** 64.70  
**Application Method:** Surface  
**Volume Applied:** 2,454.86 WT

**Wet Tons Applied:** 2,454.86  
**Dry Tons Applied:** 708.21  
**Wet Metric Tons Applied:** 2,228.52  
**Dry Metric Tons Applied:** 642.92  
**Wet Tons/Acre Applied:** 37.94  
**Dry Tons/Acre Applied:** 10.95  
**Wet Metric Tons/ha Applied:** 34.44  
**Dry Metric Tons/ha Applied:** 9.94

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.20%		
TKN	54,776.00	1,412.0879	1,259.8367
NH3	4,140.00	121.7713	108.6419
NO3	0.00	0.0000	0.0000
Organic N	0.00	1,290.3166	1,151.1947
As	7.10	0.1752	0.1563
Cd	4.50	0.1232	0.1099
Cr	107.00	2.2133	1.9747
Cu	333.00	7.7589	6.9223
Pb	18.50	0.4355	0.3885
Hg	0.62	0.0188	0.0167
Mo	22.20	0.5149	0.4594
Ni	36.60	0.3778	0.3371
Se	29.60	0.7363	0.6569
Zn	775.00	19.0595	17.0045
PAN	12,197.20	318.9490	284.5599
P	0.00	0.0000	0.0000





## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-1101  
**Acreage:** 132.70  
**Application Method:** Surface  
**Volume Applied:** 2,377.67 WT

**Wet Tons Applied:** 2,377.67  
**Dry Tons Applied:** 684.77  
**Wet Metric Tons Applied:** 2,158.45  
**Dry Metric Tons Applied:** 621.63  
**Wet Tons/Acre Applied:** 17.92  
**Dry Tons/Acre Applied:** 5.16  
**Wet Metric Tons/ha Applied:** 16.27  
**Dry Metric Tons/ha Applied:** 4.68

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.80%		
TKN	52,690.00	609.5072	543.7901
NH3	6,390.00	73.9182	65.9484
NO3	0.00	0.0000	0.0000
Organic N	0.00	535.5890	477.8418
As	7.87	0.0910	0.0812
Cd	4.80	0.0555	0.0495
Cr	0.00	0.0000	0.0000
Cu	310.00	3.5860	3.1994
Pb	16.90	0.1955	0.1744
Hg	0.68	0.0079	0.0070
Mo	20.70	0.2395	0.2136
Ni	36.70	0.4245	0.3788
Se	28.80	0.3332	0.2972
Zn	753.00	8.7106	7.7714
PAN	12,455.00	144.0769	128.5425
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-1102  
**Acreage:** 65  
**Application Method:** Surface  
**Volume Applied:** 1,390.66 WT

**Wet Tons Applied:** 1,390.66  
**Dry Tons Applied:** 400.51  
**Wet Metric Tons Applied:** 1,262.44  
**Dry Metric Tons Applied:** 363.58  
**Wet Tons/Acre Applied:** 21.39  
**Dry Tons/Acre Applied:** 6.16  
**Wet Metric Tons/ha Applied:** 19.42  
**Dry Metric Tons/ha Applied:** 5.59

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.80%		
TKN	52,690.00	727.7895	649.3193
NH3	6,390.00	88.2630	78.7464
NO3	0.00	0.0000	0.0000
Organic N	0.00	639.5265	570.5728
As	7.87	0.1087	0.0970
Cd	4.80	0.0663	0.0592
Cr	0.00	0.0000	0.0000
Cu	310.00	4.2819	3.8202
Pb	16.90	0.2334	0.2083
Hg	0.68	0.0094	0.0084
Mo	20.70	0.2859	0.2551
Ni	36.70	0.5069	0.4523
Se	28.80	0.3978	0.3549
Zn	753.00	10.4009	9.2795
PAN	12,455.00	172.0368	153.4878
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-1406  
**Acreage:** 50.10  
**Application Method:** Surface  
**Volume Applied:** 1,549.02 WT

**Wet Tons Applied:** 1,549.02  
**Dry Tons Applied:** 446.12  
**Wet Metric Tons Applied:** 1,406.20  
**Dry Metric Tons Applied:** 404.99  
**Wet Tons/Acre Applied:** 30.92  
**Dry Tons/Acre Applied:** 8.90  
**Wet Metric Tons/ha Applied:** 28.07  
**Dry Metric Tons/ha Applied:** 8.08

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.80%		
TKN	52,690.00	1,051.7620	938.3611
NH3	6,390.00	127.5528	113.8001
NO3	0.00	0.0000	0.0000
Organic N	0.00	924.2092	824.5610
As	7.87	0.1571	0.1402
Cd	4.80	0.0958	0.0855
Cr	0.00	0.0000	0.0000
Cu	310.00	6.1880	5.5208
Pb	16.90	0.3373	0.3010
Hg	0.68	0.0136	0.0121
Mo	20.70	0.4132	0.3686
Ni	36.70	0.7326	0.6536
Se	28.80	0.5749	0.5129
Zn	753.00	15.0309	13.4102
PAN	12,455.00	248.6183	221.8122
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-2308  
**Acreage:** 49.80  
**Application Method:** Surface  
**Volume Applied:** 249.89 WT

**Wet Tons Applied:** 249.89  
**Dry Tons Applied:** 70.72  
**Wet Metric Tons Applied:** 226.85  
**Dry Metric Tons Applied:** 64.20  
**Wet Tons/Acre Applied:** 5.02  
**Dry Tons/Acre Applied:** 1.42  
**Wet Metric Tons/ha Applied:** 4.56  
**Dry Metric Tons/ha Applied:** 1.29

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.30%		
TKN	54,600.00	173.8105	155.0703
NH3	4,610.00	14.6752	13.0929
NO3	0.00	0.0000	0.0000
Organic N	0.00	159.1353	141.9774
As	7.49	0.0238	0.0213
Cd	3.50	0.0111	0.0099
Cr	0.00	0.0000	0.0000
Cu	275.00	0.8754	0.7810
Pb	12.20	0.0388	0.0346
Hg	0.53	0.0017	0.0015
Mo	20.70	0.0659	0.0588
Ni	29.60	0.0942	0.0841
Se	25.50	0.0812	0.0724
Zn	628.00	1.9991	1.7836
PAN	12,303.00	39.1647	34.9419
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-2403  
**Acreage:** 73.30  
**Application Method:** Surface  
**Volume Applied:** 2,202.79 WT

**Wet Tons Applied:** 2,202.79  
**Dry Tons Applied:** 641.90  
**Wet Metric Tons Applied:** 1,999.69  
**Dry Metric Tons Applied:** 582.72  
**Wet Tons/Acre Applied:** 30.05  
**Dry Tons/Acre Applied:** 8.76  
**Wet Metric Tons/ha Applied:** 27.28  
**Dry Metric Tons/ha Applied:** 7.95

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	29.20%		
TKN	54,776.00	1,069.2895	953.9988
NH3	4,140.00	87.7667	78.3037
NO3	0.00	0.0000	0.0000
Organic N	0.00	981.5228	875.6950
As	7.10	0.1416	0.1263
Cd	4.50	0.0892	0.0796
Cr	107.00	1.7917	1.5985
Cu	333.00	6.4708	5.7731
Pb	18.50	0.3586	0.3199
Hg	0.62	0.0123	0.0110
Mo	22.20	0.4315	0.3850
Ni	36.60	0.7188	0.6413
Se	29.60	0.5788	0.5164
Zn	775.00	15.1506	13.5170
PAN	12,197.20	240.1879	214.2909
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-2404  
**Acreage:** 74.20  
**Application Method:** Surface  
**Volume Applied:** 1,030.88 WT

**Wet Tons Applied:** 1,030.88  
**Dry Tons Applied:** 290.71  
**Wet Metric Tons Applied:** 935.83  
**Dry Metric Tons Applied:** 263.90  
**Wet Tons/Acre Applied:** 13.89  
**Dry Tons/Acre Applied:** 3.92  
**Wet Metric Tons/ha Applied:** 12.61  
**Dry Metric Tons/ha Applied:** 3.56

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.20%		
TKN	56,790.00	498.7727	444.9951
NH3	6,890.00	60.5132	53.9887
NO3	0.00	0.0000	0.0000
Organic N	0.00	438.2595	391.0064
As	7.10	0.0624	0.0556
Cd	7.50	0.0659	0.0588
Cr	118.00	1.0364	0.9246
Cu	268.00	2.3538	2.1000
Pb	14.50	0.1273	0.1136
Hg	0.70	0.0061	0.0055
Mo	17.70	0.1555	0.1387
Ni	31.70	0.2784	0.2484
Se	28.60	0.2512	0.2241
Zn	673.00	5.9108	5.2735
PAN	13,425.00	117.9085	105.1956
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-2405  
**Acreage:** 71.30  
**Application Method:** Surface  
**Volume Applied:** 1,648.76 WT

**Wet Tons Applied:** 1,648.76  
**Dry Tons Applied:** 466.60  
**Wet Metric Tons Applied:** 1,496.74  
**Dry Metric Tons Applied:** 423.58  
**Wet Tons/Acre Applied:** 23.12  
**Dry Tons/Acre Applied:** 6.54  
**Wet Metric Tons/ha Applied:** 20.99  
**Dry Metric Tons/ha Applied:** 5.94

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.30%		
TKN	54,600.00	800.9851	714.6229
NH3	4,610.00	67.6290	60.3372
NO3	0.00	0.0000	0.0000
Organic N	0.00	733.3562	654.2857
As	7.49	0.1099	0.0980
Cd	3.50	0.0513	0.0458
Cr	0.00	0.0000	0.0000
Cu	275.00	4.0343	3.5993
Pb	12.20	0.1790	0.1597
Hg	0.53	0.0078	0.0069
Mo	20.70	0.3037	0.2709
Ni	29.60	0.4342	0.3874
Se	25.50	0.3741	0.3338
Zn	628.00	9.2128	8.2195
PAN	12,303.00	180.4857	161.0258
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-2506  
**Acreage:** 66  
**Application Method:** Surface  
**Volume Applied:** 1,291.81 WT

**Wet Tons Applied:** 1,291.81  
**Dry Tons Applied:** 365.58  
**Wet Metric Tons Applied:** 1,172.71  
**Dry Metric Tons Applied:** 331.88  
**Wet Tons/Acre Applied:** 19.57  
**Dry Tons/Acre Applied:** 5.54  
**Wet Metric Tons/ha Applied:** 17.77  
**Dry Metric Tons/ha Applied:** 5.03

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.30%		
TKN	54,600.00	677.9712	604.8724
NH3	4,610.00	57.2426	51.0707
NO3	0.00	0.0000	0.0000
Organic N	0.00	620.7286	553.8016
As	7.49	0.0930	0.0830
Cd	3.50	0.0435	0.0388
Cr	0.00	0.0000	0.0000
Cu	275.00	3.4147	3.0465
Pb	12.20	0.1515	0.1352
Hg	0.53	0.0066	0.0059
Mo	20.70	0.2570	0.2293
Ni	29.60	0.3675	0.3279
Se	25.50	0.3166	0.2825
Zn	628.00	7.7979	6.9571
PAN	12,303.00	152.7670	136.2957
P	0.00	0.0000	0.0000





## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-B1S  
**Acreage:** 144.35  
**Application Method:** Surface  
**Volume Applied:** 4,012.72 WT

**Wet Tons Applied:** 4,012.72  
**Dry Tons Applied:** 1,143.05  
**Wet Metric Tons Applied:** 3,642.75  
**Dry Metric Tons Applied:** 1,037.66  
**Wet Tons/Acre Applied:** 27.80  
**Dry Tons/Acre Applied:** 7.92  
**Wet Metric Tons/ha Applied:** 25.24  
**Dry Metric Tons/ha Applied:** 7.19

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.80%		
TKN	52,690.00	976.4391	871.1595
NH3	6,390.00	85.8234	76.5699
NO3	0.00	0.0000	0.0000
Organic N	0.00	890.6158	794.5896
As	7.87	0.1299	0.1159
Cd	4.80	0.0652	0.0582
Cr	0.00	0.7206	0.6429
Cu	310.00	5.1259	4.5732
Pb	16.90	0.2634	0.2350
Hg	0.68	0.0138	0.0124
Mo	20.70	0.3719	0.3318
Ni	36.70	0.5772	0.5150
Se	28.80	0.4669	0.4165
Zn	753.00	11.8699	10.5901
PAN	12,455.00	221.0348	197.2029
P	0.00	910.2327	812.0915



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-B2N  
**Acreage:** 152.35  
**Application Method:** Surface  
**Volume Applied:** 4,969.41 WT

**Wet Tons Applied:** 4,969.41  
**Dry Tons Applied:** 1,415.30  
**Wet Metric Tons Applied:** 4,511.23  
**Dry Metric Tons Applied:** 1,284.81  
**Wet Tons/Acre Applied:** 32.62  
**Dry Tons/Acre Applied:** 9.29  
**Wet Metric Tons/ha Applied:** 29.61  
**Dry Metric Tons/ha Applied:** 8.43

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.80%		
TKN	52,690.00	1,146.3681	1,022.7668
NH3	6,390.00	100.1140	89.3197
NO3	0.00	0.0000	0.0000
Organic N	0.00	1,046.2542	933.4471
As	7.87	0.1522	0.1358
Cd	4.80	0.0761	0.0679
Cr	0.00	0.8603	0.7676
Cu	310.00	6.0057	5.3582
Pb	16.90	0.3083	0.2750
Hg	0.68	0.0163	0.0145
Mo	20.70	0.4364	0.3893
Ni	36.70	0.6756	0.6028
Se	28.80	0.5468	0.4879
Zn	753.00	13.8943	12.3962
PAN	12,455.00	259.3078	231.3493
P	0.00	1,086.6565	969.4932



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-C01  
**Acreage:** 149.40  
**Application Method:** Surface  
**Volume Applied:** 1,956.90 WT

**Wet Tons Applied:** 1,956.90  
**Dry Tons Applied:** 553.80  
**Wet Metric Tons Applied:** 1,776.47  
**Dry Metric Tons Applied:** 502.74  
**Wet Tons/Acre Applied:** 13.10  
**Dry Tons/Acre Applied:** 3.71  
**Wet Metric Tons/ha Applied:** 11.89  
**Dry Metric Tons/ha Applied:** 3.37

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.30%		
TKN	54,600.00	453.7061	404.7875
NH3	4,610.00	38.3074	34.1771
NO3	0.00	0.0000	0.0000
Organic N	0.00	415.3987	370.6104
As	7.49	0.0622	0.0555
Cd	3.50	0.0291	0.0259
Cr	0.00	0.0000	0.0000
Cu	275.00	2.2851	2.0388
Pb	12.20	0.1014	0.0904
Hg	0.53	0.0044	0.0039
Mo	20.70	0.1720	0.1535
Ni	29.60	0.2460	0.2194
Se	25.50	0.2119	0.1890
Zn	628.00	5.2185	4.6558
PAN	12,303.00	102.2334	91.2106
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-C02  
**Acreage:** 150  
**Application Method:** Surface  
**Volume Applied:** 635.64 WT

**Wet Tons Applied:** 635.64  
**Dry Tons Applied:** 176.14  
**Wet Metric Tons Applied:** 577.03  
**Dry Metric Tons Applied:** 159.90  
**Wet Tons/Acre Applied:** 4.24  
**Dry Tons/Acre Applied:** 1.17  
**Wet Metric Tons/ha Applied:** 3.85  
**Dry Metric Tons/ha Applied:** 1.07

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	28.30%		
TKN	54,600.00	141.3054	126.0699
NH3	4,610.00	11.1214	9.9223
NO3	0.00	0.0000	0.0000
Organic N	0.00	130.1841	116.1476
As	7.49	0.0196	0.0175
Cd	3.50	0.0094	0.0084
Cr	0.00	0.1257	0.1121
Cu	275.00	0.8959	0.7993
Pb	12.20	0.0301	0.0269
Hg	0.53	0.0013	0.0011
Mo	20.70	0.0534	0.0476
Ni	29.60	0.0711	0.0634
Se	25.50	0.0645	0.0575
Zn	628.00	1.6708	1.4907
PAN	12,303.00	31.5975	28.1907
P	0.00	0.0000	0.0000



## FARM APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Waste Source:** Los Angeles County Sanitation District  
**Waste Type:** WWTP Biosolids  
**Analysis Date:** 01/29/2021  
**Field Name:** MA 7-C03  
**Acreage:** 151.34  
**Application Method:** Surface  
**Volume Applied:** 1,399.41 WT

**Wet Tons Applied:** 1,399.41  
**Dry Tons Applied:** 386.24  
**Wet Metric Tons Applied:** 1,270.38  
**Dry Metric Tons Applied:** 350.63  
**Wet Tons/Acre Applied:** 9.25  
**Dry Tons/Acre Applied:** 2.55  
**Wet Metric Tons/ha Applied:** 8.39  
**Dry Metric Tons/ha Applied:** 2.32

Constituent	Analysis (mg/kg)	Applied (kg/ha)	Applied (lb/ac)
% Solids	27.60%		
TKN	53,500.00	306.0777	273.0764
NH3	4,150.00	23.7425	21.1826
NO3	0.00	0.0000	0.0000
Organic N	0.00	282.3352	251.8938
As	7.42	0.0425	0.0379
Cd	3.60	0.0206	0.0184
Cr	57.00	0.3261	0.2909
Cu	353.00	2.0195	1.8018
Pb	11.30	0.0646	0.0577
Hg	0.48	0.0027	0.0025
Mo	20.20	0.1156	0.1031
Ni	26.50	0.1516	0.1353
Se	24.30	0.1390	0.1240
Zn	636.00	3.6386	3.2463
PAN	11,945.00	68.3383	60.9700
P	0.00	0.0000	0.0000

**Field Application Summary Report - 2020**



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/30/2020

**Permit:**

<b>Field Name:</b>	MA 5-6	<b>Wet Tons Applied:</b>	1,289.22
<b>Total Acres:</b>	277	<b>Dry Tons Applied:</b>	299.57
<b>Latitude:</b>	33 21' 20" N	<b>Wet Metric Tons Applied:</b>	1,170.35
<b>Longitude:</b>	113 09' 30" W	<b>Dry Metric Tons Applied:</b>	271.95
<b>Crop:</b>	Cotton	<b>Wet Tons/Acre Applied:</b>	4.65
<b>Crop Nitrogen Usage:</b>	250	<b>Dry Tons/Acre Applied:</b>	1.08
<b>Application Started:</b>	01/15/2020	<b>Wet Metric Tons/ha Applied:</b>	10.44
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	2.43
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	40.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)	Kilograms Applied Project to Date (kg/ha)
TKN	112.76	100.60	N/A
NH3	11.53	10.29	N/A
NO3	0.00	0.00	N/A
Organic N	101.22	90.31	N/A
As	0.02	0.02	0.02
Cd	0.01	0.01	0.01
Cr	0.22	0.19	0.22
Cu	1.17	1.05	1.17
Pb	0.04	0.04	0.04
Hg	0.00	0.00	0.00
Mo	0.06	0.06	0.06
Ni	0.09	0.08	0.09
Se	0.06	0.06	0.06
Zn	2.73	2.43	2.73
PAN	26.01	23.21	N/A
P	8.58	7.65	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-0901	<b>Wet Tons Applied:</b>	1,907.55
<b>Total Acres:</b>	78.50	<b>Dry Tons Applied:</b>	475.54
<b>Latitude:</b>	33 32' 05"N	<b>Wet Metric Tons Applied:</b>	1,731.67
<b>Longitude:</b>	113 11' 00" W	<b>Dry Metric Tons Applied:</b>	431.70
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	24.30
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	6.06
<b>Application Started:</b>	02/04/2020	<b>Wet Metric Tons/ha Applied:</b>	54.51
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	13.59
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	673.61	600.99	N/A
NH3	87.15	77.75	N/A
NO3	0.00	0.00	N/A
Organic N	586.47	523.24	N/A
As	0.08	0.07	0.08
Cd	0.04	0.04	0.04
Cr	0.99	0.88	0.99
Cu	7.16	6.39	7.16
Pb	0.20	0.18	0.20
Hg	0.01	0.01	0.01
Mo	0.30	0.27	0.30
Ni	0.50	0.45	0.50
Se	0.21	0.19	0.21
Zn	14.62	13.04	14.62
PAN	160.87	143.52	N/A
P	32.07	28.62	N/A





# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-0902	<b>Wet Tons Applied:</b>	5,327.87
<b>Total Acres:</b>	79.50	<b>Dry Tons Applied:</b>	1,393.99
<b>Latitude:</b>	33 31'51"N	<b>Wet Metric Tons Applied:</b>	4,836.64
<b>Longitude:</b>	113 11' 00" W	<b>Dry Metric Tons Applied:</b>	1,265.46
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	67.02
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	17.53
<b>Application Started:</b>	03/28/2020	<b>Wet Metric Tons/ha Applied:</b>	150.33
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	39.33
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,870.02	1,668.39	N/A
NH3	305.87	272.89	N/A
NO3	0.00	0.00	N/A
Organic N	1,564.15	1,395.50	N/A
As	0.21	0.18	0.21
Cd	0.22	0.20	0.22
Cr	2.78	2.48	2.78
Cu	18.45	16.46	18.45
Pb	0.58	0.52	0.58
Hg	0.03	0.03	0.03
Mo	0.68	0.61	0.68
Ni	0.94	0.84	0.94
Se	0.47	0.42	0.47
Zn	35.68	31.83	35.68
PAN	465.76	415.54	N/A
P	608.24	542.66	N/A



## FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-0903	<b>Wet Tons Applied:</b>	3,569.13
<b>Total Acres:</b>	80.90	<b>Dry Tons Applied:</b>	853.32
<b>Latitude:</b>	33 31' 47"N	<b>Wet Metric Tons Applied:</b>	3,240.06
<b>Longitude:</b>	113 11' 00" W	<b>Dry Metric Tons Applied:</b>	774.64
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	44.12
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	10.55
<b>Application Started:</b>	03/14/2020	<b>Wet Metric Tons/ha Applied:</b>	98.96
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	23.66
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,295.32	1,155.66	N/A
NH3	183.39	163.61	N/A
NO3	0.00	0.00	N/A
Organic N	1,111.93	992.05	N/A
As	0.16	0.14	0.16
Cd	0.08	0.07	0.08
Cr	1.34	1.20	1.34
Cu	10.62	9.48	10.62
Pb	0.35	0.32	0.35
Hg	0.02	0.02	0.02
Mo	0.43	0.39	0.43
Ni	0.17	0.15	0.17
Se	0.44	0.39	0.44
Zn	18.91	16.88	18.91
PAN	314.08	280.22	N/A
P	253.22	225.92	N/A



## FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-1001	<b>Wet Tons Applied:</b>	4,111.95
<b>Total Acres:</b>	78.20	<b>Dry Tons Applied:</b>	1,015.75
<b>Latitude:</b>	33 32' 05"N	<b>Wet Metric Tons Applied:</b>	3,732.83
<b>Longitude:</b>	113 10' 30" W	<b>Dry Metric Tons Applied:</b>	922.10
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	52.58
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	12.99
<b>Application Started:</b>	01/24/2020	<b>Wet Metric Tons/ha Applied:</b>	117.95
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	29.14
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,438.01	1,282.96	N/A
NH3	183.12	163.37	N/A
NO3	0.00	0.00	N/A
Organic N	1,254.89	1,119.59	N/A
As	0.16	0.14	0.16
Cd	0.08	0.07	0.08
Cr	2.09	1.86	2.09
Cu	14.77	13.18	14.77
Pb	0.42	0.37	0.42
Hg	0.02	0.01	0.02
Mo	0.63	0.56	0.63
Ni	1.06	0.95	1.06
Se	0.44	0.40	0.44
Zn	30.07	26.82	30.07
PAN	342.54	305.60	N/A
P	57.00	50.86	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-1002	<b>Wet Tons Applied:</b>	3,356.37
<b>Total Acres:</b>	76.10	<b>Dry Tons Applied:</b>	811.57
<b>Latitude:</b>	33 31'51"N	<b>Wet Metric Tons Applied:</b>	3,046.91
<b>Longitude:</b>	113 10' 30" W	<b>Dry Metric Tons Applied:</b>	736.74
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	44.10
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	10.66
<b>Application Started:</b>	01/01/2020	<b>Wet Metric Tons/ha Applied:</b>	98.93
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	23.92
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,148.70	1,024.85	N/A
NH3	138.01	123.13	N/A
NO3	0.00	0.00	N/A
Organic N	1,010.69	901.72	N/A
As	0.13	0.12	0.13
Cd	0.07	0.06	0.07
Cr	1.77	1.58	1.77
Cu	11.41	10.18	11.41
Pb	0.35	0.31	0.35
Hg	0.01	0.01	0.01
Mo	0.51	0.46	0.51
Ni	0.84	0.75	0.84
Se	0.41	0.36	0.41
Zn	23.66	21.11	23.66
PAN	271.14	241.91	N/A
P	45.06	40.20	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-1004	<b>Wet Tons Applied:</b>	374.60
<b>Total Acres:</b>	50.20	<b>Dry Tons Applied:</b>	95.62
<b>Latitude:</b>	33 31' 26"N	<b>Wet Metric Tons Applied:</b>	340.06
<b>Longitude:</b>	113 10' 30" W	<b>Dry Metric Tons Applied:</b>	86.81
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	7.46
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	1.90
<b>Application Started:</b>	03/17/2020	<b>Wet Metric Tons/ha Applied:</b>	16.74
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	4.27
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	236.67	211.15	N/A
NH3	28.34	25.28	N/A
NO3	0.00	0.00	N/A
Organic N	208.34	185.87	N/A
As	0.03	0.03	0.03
Cd	0.02	0.02	0.02
Cr	0.27	0.24	0.27
Cu	1.60	1.42	1.60
Pb	0.06	0.06	0.06
Hg	0.00	0.00	0.00
Mo	0.08	0.07	0.08
Ni	0.01	0.01	0.01
Se	0.09	0.08	0.09
Zn	3.40	3.03	3.40
PAN	55.84	49.82	N/A
P	21.87	19.51	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-1006	<b>Wet Tons Applied:</b>	890.72
<b>Total Acres:</b>	65.80	<b>Dry Tons Applied:</b>	223.97
<b>Latitude:</b>	33 31'51"N	<b>Wet Metric Tons Applied:</b>	808.60
<b>Longitude:</b>	113 10' 00" W	<b>Dry Metric Tons Applied:</b>	203.32
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	13.54
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	3.40
<b>Application Started:</b>	02/20/2020	<b>Wet Metric Tons/ha Applied:</b>	30.37
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	7.64
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	394.98	352.39	N/A
NH3	55.73	49.72	N/A
NO3	0.00	0.00	N/A
Organic N	339.25	302.67	N/A
As	0.04	0.04	0.04
Cd	0.02	0.02	0.02
Cr	0.48	0.43	0.48
Cu	4.06	3.62	4.06
Pb	0.09	0.08	0.09
Hg	0.01	0.00	0.01
Mo	0.13	0.11	0.13
Ni	0.19	0.17	0.19
Se	0.11	0.09	0.11
Zn	7.34	6.55	7.34
PAN	95.72	85.40	N/A
P	41.00	36.58	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-1007	<b>Wet Tons Applied:</b>	6,475.61
<b>Total Acres:</b>	64.70	<b>Dry Tons Applied:</b>	1,609.60
<b>Latitude:</b>	33 31' 47"N	<b>Wet Metric Tons Applied:</b>	5,878.56
<b>Longitude:</b>	113 10' 00" W	<b>Dry Metric Tons Applied:</b>	1,461.20
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	100.09
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	24.88
<b>Application Started:</b>	02/20/2020	<b>Wet Metric Tons/ha Applied:</b>	224.51
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	55.81
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	2,817.73	2,513.92	N/A
NH3	358.52	319.87	N/A
NO3	0.00	0.00	N/A
Organic N	2,459.21	2,194.06	N/A
As	0.32	0.28	0.32
Cd	0.17	0.15	0.17
Cr	3.72	3.32	3.72
Cu	23.90	21.32	23.90
Pb	0.73	0.65	0.73
Hg	0.04	0.04	0.04
Mo	1.02	0.91	1.02
Ni	1.27	1.13	1.27
Se	0.95	0.85	0.95
Zn	48.63	43.38	48.63
PAN	671.10	598.74	N/A
P	258.73	230.83	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-1101	<b>Wet Tons Applied:</b>	7,708.03
<b>Total Acres:</b>	132.70	<b>Dry Tons Applied:</b>	1,860.46
<b>Latitude:</b>	33 31' 55"N	<b>Wet Metric Tons Applied:</b>	6,997.35
<b>Longitude:</b>	113 09' 28" W	<b>Dry Metric Tons Applied:</b>	1,688.92
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	58.09
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	14.02
<b>Application Started:</b>	05/04/2020	<b>Wet Metric Tons/ha Applied:</b>	130.30
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	31.45
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,486.73	1,326.43	N/A
NH3	256.38	228.74	N/A
NO3	0.00	0.00	N/A
Organic N	1,230.35	1,097.69	N/A
As	0.21	0.19	0.21
Cd	0.15	0.13	0.15
Cr	0.87	0.78	0.87
Cu	14.93	13.32	14.93
Pb	0.48	0.43	0.48
Hg	0.03	0.03	0.03
Mo	0.54	0.49	0.54
Ni	0.94	0.84	0.94
Se	0.43	0.39	0.43
Zn	27.29	24.34	27.29
PAN	376.33	335.76	N/A
P	253.62	226.28	N/A





# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-1102	<b>Wet Tons Applied:</b>	3,437.27
<b>Total Acres:</b>	65	<b>Dry Tons Applied:</b>	836.93
<b>Latitude:</b>	33 31' 47"N	<b>Wet Metric Tons Applied:</b>	3,120.35
<b>Longitude:</b>	113 09' 34" W	<b>Dry Metric Tons Applied:</b>	759.76
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	52.88
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	12.88
<b>Application Started:</b>	06/01/2020	<b>Wet Metric Tons/ha Applied:</b>	118.62
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	28.88
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,421.58	1,268.31	N/A
NH3	232.85	207.74	N/A
NO3	0.00	0.00	N/A
Organic N	1,188.73	1,060.56	N/A
As	0.20	0.18	0.20
Cd	0.14	0.12	0.14
Cr	0.61	0.55	0.61
Cu	13.48	12.03	13.48
Pb	0.46	0.41	0.46
Hg	0.02	0.02	0.02
Mo	0.52	0.46	0.52
Ni	0.91	0.81	0.91
Se	0.47	0.42	0.47
Zn	24.82	22.15	24.82
PAN	354.17	315.99	N/A
P	199.46	177.96	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-1406	<b>Wet Tons Applied:</b>	3,817.91
<b>Total Acres:</b>	50.10	<b>Dry Tons Applied:</b>	924.23
<b>Latitude:</b>	33 31' 05"N	<b>Wet Metric Tons Applied:</b>	3,465.90
<b>Longitude:</b>	113 08' 55" W	<b>Dry Metric Tons Applied:</b>	839.02
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	76.21
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	18.45
<b>Application Started:</b>	06/13/2020	<b>Wet Metric Tons/ha Applied:</b>	170.94
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	41.38
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	35.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)	Kilograms Applied Project to Date (kg/ha)
TKN	1,999.93	1,784.30	N/A
NH3	304.41	271.59	N/A
NO3	0.01	0.01	N/A
Organic N	1,695.52	1,512.71	N/A
As	0.28	0.25	0.28
Cd	0.19	0.17	0.19
Cr	0.81	0.72	0.81
Cu	17.17	15.32	17.17
Pb	0.61	0.55	0.61
Hg	0.04	0.03	0.04
Mo	0.71	0.63	0.71
Ni	1.24	1.11	1.24
Se	0.67	0.59	0.67
Zn	32.12	28.66	32.12
PAN	502.05	447.92	N/A
P	193.51	172.65	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-2308	<b>Wet Tons Applied:</b>	528.87
<b>Total Acres:</b>	49.80	<b>Dry Tons Applied:</b>	126.99
<b>Latitude:</b>	33 30' 14" N	<b>Wet Metric Tons Applied:</b>	480.11
<b>Longitude:</b>	113 08' 55" W	<b>Dry Metric Tons Applied:</b>	115.28
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	10.62
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	2.55
<b>Application Started:</b>	10/01/2020	<b>Wet Metric Tons/ha Applied:</b>	23.82
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	5.72
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	317.16	282.97	N/A
NH3	27.76	24.77	N/A
NO3	0.07	0.06	N/A
Organic N	289.40	258.20	N/A
As	0.04	0.03	0.04
Cd	0.01	0.01	0.01
Cr	0.05	0.04	0.05
Cu	1.51	1.35	1.51
Pb	0.05	0.04	0.05
Hg	0.00	0.00	0.00
Mo	0.10	0.09	0.10
Ni	0.13	0.11	0.13
Se	0.10	0.09	0.10
Zn	3.55	3.17	3.55
PAN	71.88	64.13	N/A
P	20.88	18.63	N/A



## FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-2403	<b>Wet Tons Applied:</b>	5,961.47
<b>Total Acres:</b>	73.30	<b>Dry Tons Applied:</b>	1,436.46
<b>Latitude:</b>	33 30' 13"N	<b>Wet Metric Tons Applied:</b>	5,411.82
<b>Longitude:</b>	113 08' 00" W	<b>Dry Metric Tons Applied:</b>	1,304.02
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	81.33
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	19.60
<b>Application Started:</b>	01/01/2020	<b>Wet Metric Tons/ha Applied:</b>	182.44
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	43.96
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	2,123.48	1,894.53	N/A
NH3	263.77	235.33	N/A
NO3	0.00	0.00	N/A
Organic N	1,859.71	1,659.20	N/A
As	0.28	0.25	0.28
Cd	0.16	0.14	0.16
Cr	3.12	2.78	3.12
Cu	21.01	18.75	21.01
Pb	0.67	0.60	0.67
Hg	0.03	0.03	0.03
Mo	0.98	0.88	0.98
Ni	1.57	1.40	1.57
Se	0.85	0.75	0.85
Zn	44.19	39.42	44.19
PAN	507.58	452.85	N/A
P	166.54	148.58	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-2404	<b>Wet Tons Applied:</b>	4,234.02
<b>Total Acres:</b>	74.20	<b>Dry Tons Applied:</b>	1,041.07
<b>Latitude:</b>	33 30' 06"N	<b>Wet Metric Tons Applied:</b>	3,843.64
<b>Longitude:</b>	113 08' 00" W	<b>Dry Metric Tons Applied:</b>	945.08
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	57.06
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	14.03
<b>Application Started:</b>	04/15/2020	<b>Wet Metric Tons/ha Applied:</b>	128.00
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	31.47
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,494.56	1,333.42	N/A
NH3	255.58	228.03	N/A
NO3	0.00	0.00	N/A
Organic N	1,238.97	1,105.39	N/A
As	0.17	0.15	0.17
Cd	0.16	0.14	0.16
Cr	2.08	1.86	2.08
Cu	14.90	13.30	14.90
Pb	0.43	0.39	0.43
Hg	0.03	0.03	0.03
Mo	0.52	0.47	0.52
Ni	0.77	0.69	0.77
Se	0.34	0.30	0.34
Zn	27.21	24.27	27.21
PAN	376.15	335.59	N/A
P	489.24	436.49	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-2405	<b>Wet Tons Applied:</b>	3,331.46
<b>Total Acres:</b>	71.30	<b>Dry Tons Applied:</b>	894.05
<b>Latitude:</b>	33 29' 57"N	<b>Wet Metric Tons Applied:</b>	3,024.30
<b>Longitude:</b>	113 08' 00" W	<b>Dry Metric Tons Applied:</b>	811.62
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	46.72
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	12.54
<b>Application Started:</b>	09/25/2020	<b>Wet Metric Tons/ha Applied:</b>	104.81
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	28.13
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,311.70	1,170.27	N/A
NH3	149.29	133.19	N/A
NO3	0.24	0.21	N/A
Organic N	1,162.41	1,037.08	N/A
As	0.18	0.16	0.18
Cd	0.07	0.06	0.07
Cr	0.86	0.76	0.86
Cu	8.01	7.14	8.01
Pb	0.32	0.28	0.32
Hg	0.02	0.02	0.02
Mo	0.53	0.47	0.53
Ni	0.64	0.57	0.64
Se	0.49	0.44	0.49
Zn	21.60	19.27	21.60
PAN	307.78	274.60	N/A
P	158.03	140.99	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-2506	<b>Wet Tons Applied:</b>	3,112.55
<b>Total Acres:</b>	66	<b>Dry Tons Applied:</b>	718.52
<b>Latitude:</b>	33 29' 14"N	<b>Wet Metric Tons Applied:</b>	2,825.57
<b>Longitude:</b>	113 07' 55" W	<b>Dry Metric Tons Applied:</b>	652.27
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	47.16
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	10.89
<b>Application Started:</b>	10/20/2020	<b>Wet Metric Tons/ha Applied:</b>	105.79
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	24.42
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	164.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)	Kilograms Applied Project to Date (kg/ha)
TKN	1,305.84	1,165.05	N/A
NH3	133.49	119.09	N/A
NO3	0.31	0.28	N/A
Organic N	1,172.35	1,045.95	N/A
As	0.13	0.12	0.13
Cd	0.11	0.10	0.11
Cr	0.40	0.36	0.40
Cu	8.80	7.85	8.80
Pb	0.29	0.26	0.29
Hg	0.02	0.02	0.02
Mo	0.43	0.38	0.43
Ni	0.72	0.64	0.72
Se	0.36	0.32	0.36
Zn	17.29	15.42	17.29
PAN	301.93	269.37	N/A
P	166.20	148.28	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-B1S	<b>Wet Tons Applied:</b>	7,474.26
<b>Total Acres:</b>	144.35	<b>Dry Tons Applied:</b>	1,878.74
<b>Latitude:</b>	33° 24' 41.00" N	<b>Wet Metric Tons Applied:</b>	6,785.13
<b>Longitude:</b>	113° 12' 18.00" W	<b>Dry Metric Tons Applied:</b>	1,705.52
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	51.78
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	13.02
<b>Application Started:</b>	07/15/2020	<b>Wet Metric Tons/ha Applied:</b>	116.15
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	29.20
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,518.56	1,354.83	N/A
NH3	151.89	135.52	N/A
NO3	0.00	0.00	N/A
Organic N	1,366.66	1,219.31	N/A
As	0.16	0.15	0.16
Cd	0.07	0.06	0.07
Cr	0.89	0.80	0.89
Cu	6.91	6.17	6.91
Pb	0.33	0.29	0.33
Hg	0.02	0.02	0.02
Mo	0.42	0.37	0.42
Ni	0.68	0.61	0.68
Se	0.53	0.48	0.53
Zn	17.36	15.49	17.36
PAN	349.28	311.62	N/A
P	1,046.59	933.75	N/A





# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-B2N	<b>Wet Tons Applied:</b>	9,808.60
<b>Total Acres:</b>	152.35	<b>Dry Tons Applied:</b>	2,436.45
<b>Latitude:</b>	33° 24' 43.00" N	<b>Wet Metric Tons Applied:</b>	8,904.25
<b>Longitude:</b>	113° 12' 18.00" W	<b>Dry Metric Tons Applied:</b>	2,211.81
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	64.38
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	15.99
<b>Application Started:</b>	06/25/2020	<b>Wet Metric Tons/ha Applied:</b>	144.42
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	35.87
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	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	1,855.30	1,655.26	N/A
NH3	192.41	171.67	N/A
NO3	0.00	0.00	N/A
Organic N	1,662.89	1,483.60	N/A
As	0.20	0.18	0.20
Cd	0.09	0.08	0.09
Cr	1.11	0.99	1.11
Cu	8.81	7.86	8.81
Pb	0.40	0.35	0.40
Hg	0.03	0.02	0.03
Mo	0.51	0.46	0.51
Ni	0.82	0.73	0.82
Se	0.63	0.56	0.63
Zn	21.52	19.20	21.52
PAN	428.78	382.55	N/A
P	1,273.16	1,135.89	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-C01	<b>Wet Tons Applied:</b>	5,501.86
<b>Total Acres:</b>	149.40	<b>Dry Tons Applied:</b>	1,300.32
<b>Latitude:</b>	33 27' 27" N	<b>Wet Metric Tons Applied:</b>	4,994.59
<b>Longitude:</b>	113 13' 46" W	<b>Dry Metric Tons Applied:</b>	1,180.43
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	36.83
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	8.70
<b>Application Started:</b>	11/03/2020	<b>Wet Metric Tons/ha Applied:</b>	82.61
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	19.52
<b>Harvesting Date:</b>		<b>Residual N (lbs/Acre):</b>	46.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)	Kilograms Applied Project to Date (kg/ha)
TKN	1,019.13	909.24	N/A
NH3	102.70	91.63	N/A
NO3	0.23	0.20	N/A
Organic N	916.42	817.61	N/A
As	0.10	0.09	0.10
Cd	0.09	0.08	0.09
Cr	0.35	0.32	0.35
Cu	6.94	6.19	6.94
Pb	0.22	0.20	0.22
Hg	0.01	0.01	0.01
Mo	0.32	0.28	0.32
Ni	0.55	0.49	0.55
Se	0.25	0.22	0.25
Zn	13.52	12.06	13.52
PAN	235.05	209.71	N/A
P	156.91	139.99	N/A



## FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

**Permit:**

<b>Field Name:</b>	MA 7-C02	<b>Wet Tons Applied:</b>	1,912.32
<b>Total Acres:</b>	150	<b>Dry Tons Applied:</b>	398.52
<b>Latitude:</b>	33 27' 27" N	<b>Wet Metric Tons Applied:</b>	1,736.00
<b>Longitude:</b>	113 13' 40" W	<b>Dry Metric Tons Applied:</b>	361.77
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	12.75
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	2.66
<b>Application Started:</b>	11/30/2020	<b>Wet Metric Tons/ha Applied:</b>	28.60
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	5.96
<b>Harvesting Date:</b>	10/01/2021	<b>Residual N (lbs/Acre):</b>	120.00

Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)	Kilograms Applied Project to Date (kg/ha)
TKN	350.50	312.71	N/A
NH3	42.62	38.02	N/A
NO3	0.03	0.03	N/A
Organic N	307.88	274.68	N/A
As	0.04	0.03	0.04
Cd	0.02	0.02	0.02
Cr	0.33	0.29	0.33
Cu	2.00	1.78	2.00
Pb	0.06	0.06	0.06
Hg	0.00	0.00	0.00
Mo	0.12	0.11	0.12
Ni	0.13	0.12	0.13
Se	0.13	0.12	0.13
Zn	4.40	3.93	4.40
PAN	83.10	74.14	N/A
P	14.12	12.60	N/A



# FIELD APPLICATION SUMMARY REPORT

For: 01/01/2020 to 12/31/2020

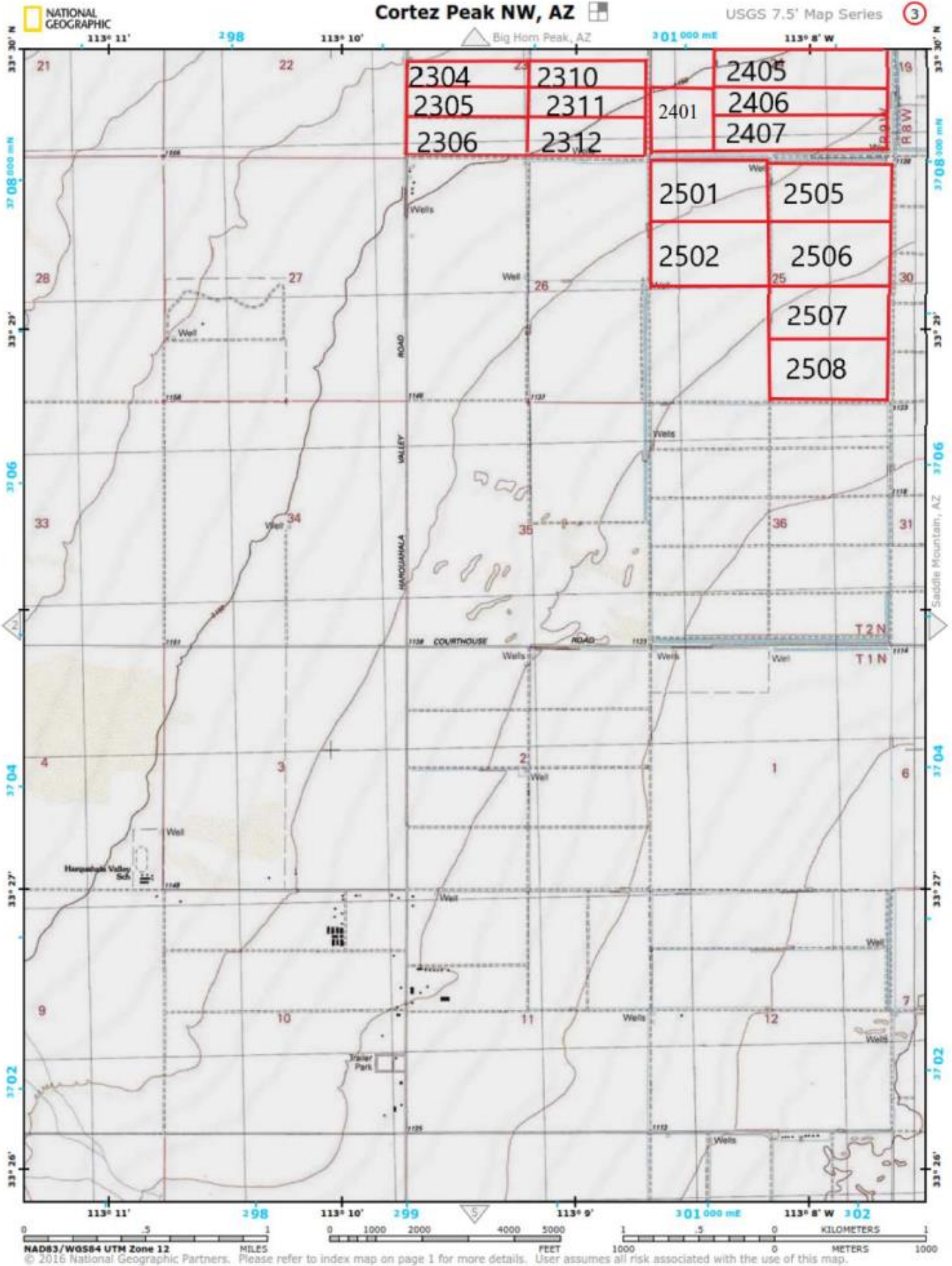
**Permit:**

<b>Field Name:</b>	MA 7-C03	<b>Wet Tons Applied:</b>	4,086.05
<b>Total Acres:</b>	151.34	<b>Dry Tons Applied:</b>	975.47
<b>Latitude:</b>	33 27' 27"	<b>Wet Metric Tons Applied:</b>	3,709.32
<b>Longitude:</b>	113 14' 16"	<b>Dry Metric Tons Applied:</b>	885.53
<b>Crop:</b>	Alfalfa	<b>Wet Tons/Acre Applied:</b>	27.00
<b>Crop Nitrogen Usage:</b>	600	<b>Dry Tons/Acre Applied:</b>	6.45
<b>Application Started:</b>	12/15/2020	<b>Wet Metric Tons/ha Applied:</b>	60.56
<b>Seeding Date:</b>		<b>Dry Metric Tons/ha Applied:</b>	14.46
<b>Harvesting Date:</b>	10/01/2021	<b>Residual N (lbs/Acre):</b>	26.00

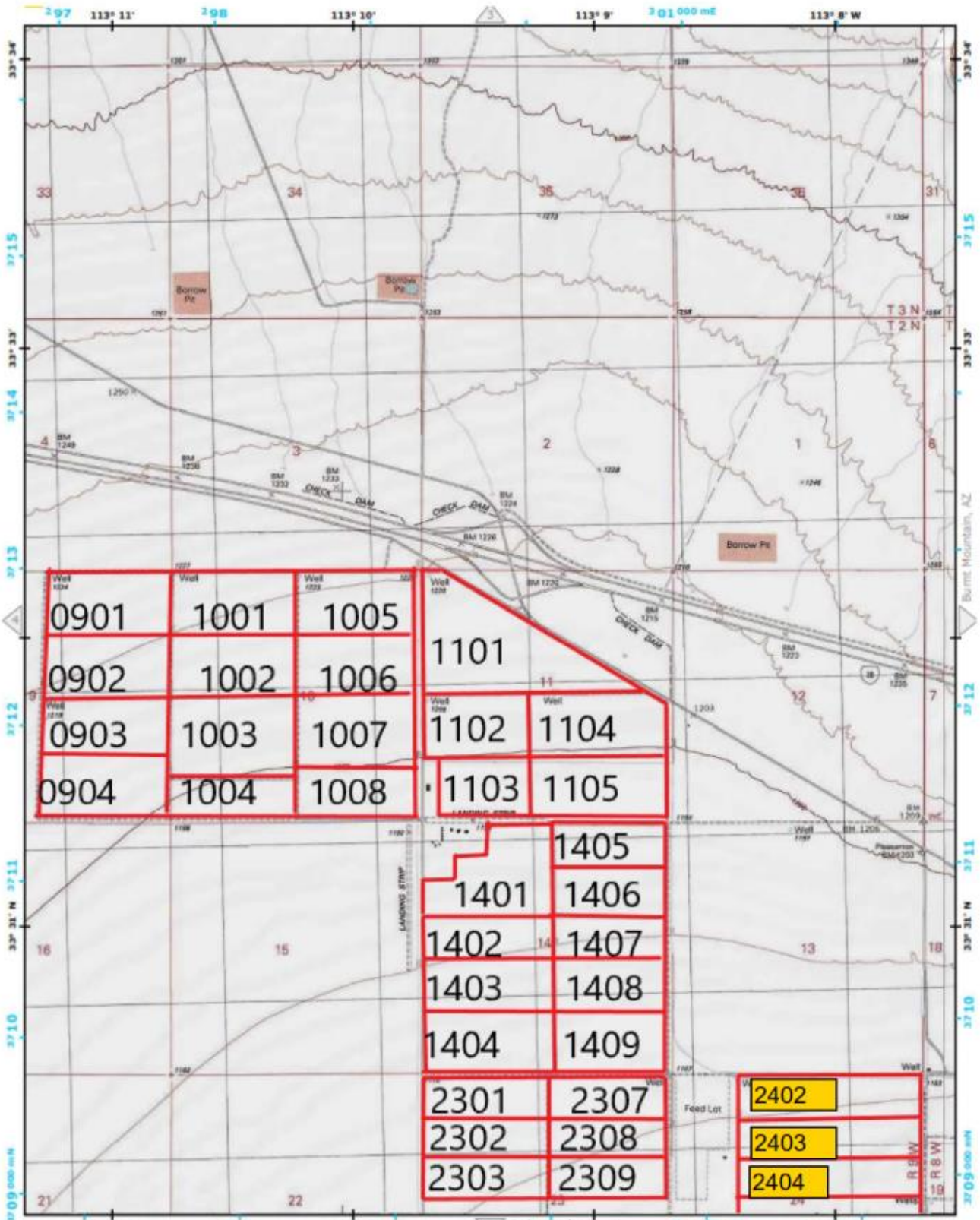
Constituent	Kilograms Applied Year to Date (kg/ha)	Pounds Applied Year to Date (lbs/ac)	Kilograms Applied Project to Date (kg/ha)
TKN	846.39	755.13	N/A
NH3	103.25	92.12	N/A
NO3	0.08	0.07	N/A
Organic N	743.14	663.02	N/A
As	0.10	0.09	0.10
Cd	0.05	0.04	0.05
Cr	1.01	0.90	1.01
Cu	5.08	4.54	5.08
Pb	0.16	0.14	0.16
Hg	0.01	0.01	0.01
Mo	0.31	0.27	0.31
Ni	0.32	0.28	0.32
Se	0.37	0.33	0.37
Zn	11.24	10.03	11.24
PAN	200.33	178.73	N/A
P	31.99	28.54	N/A

## **Field Maps**

# MA 7

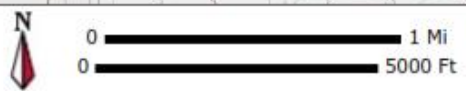
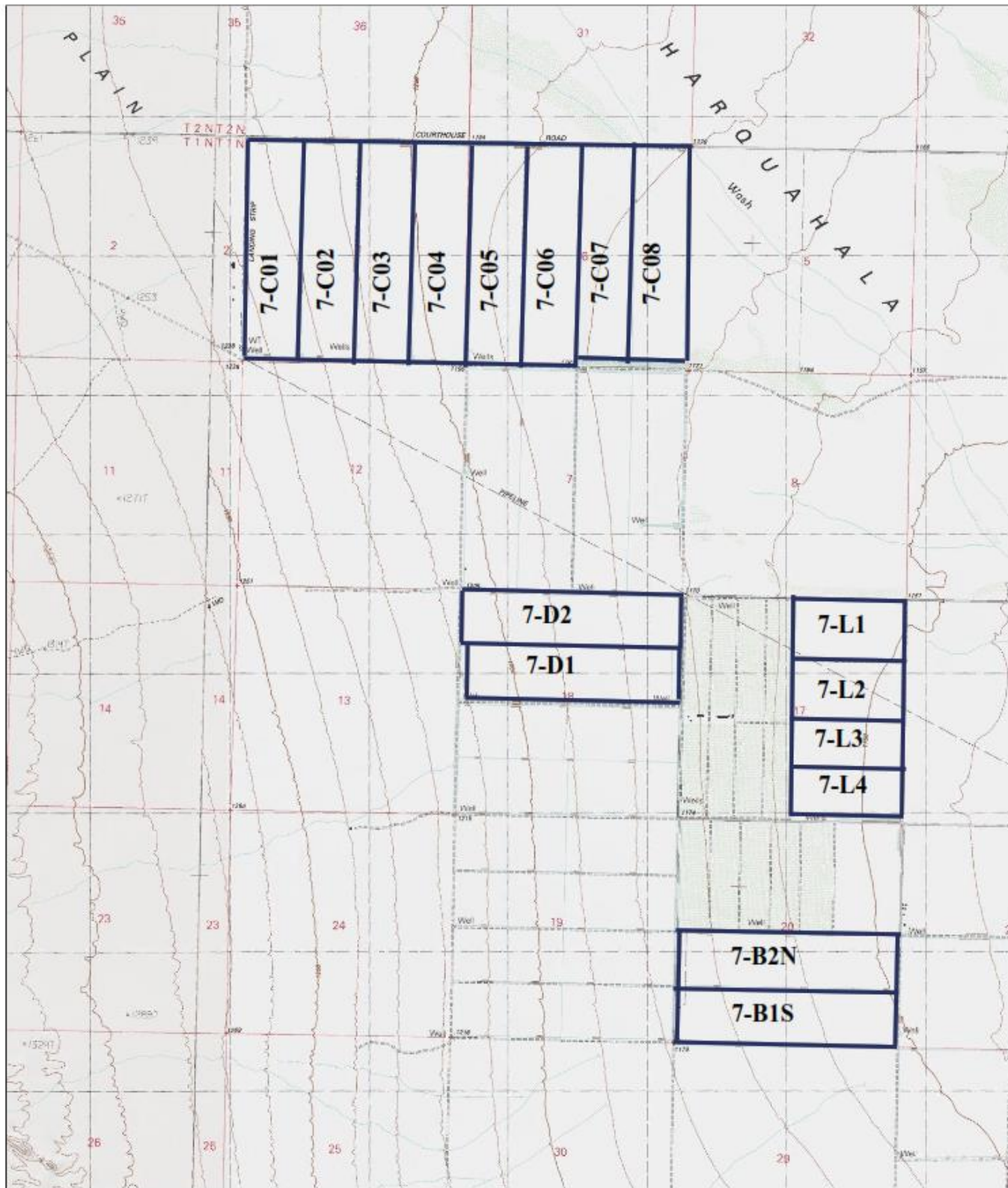






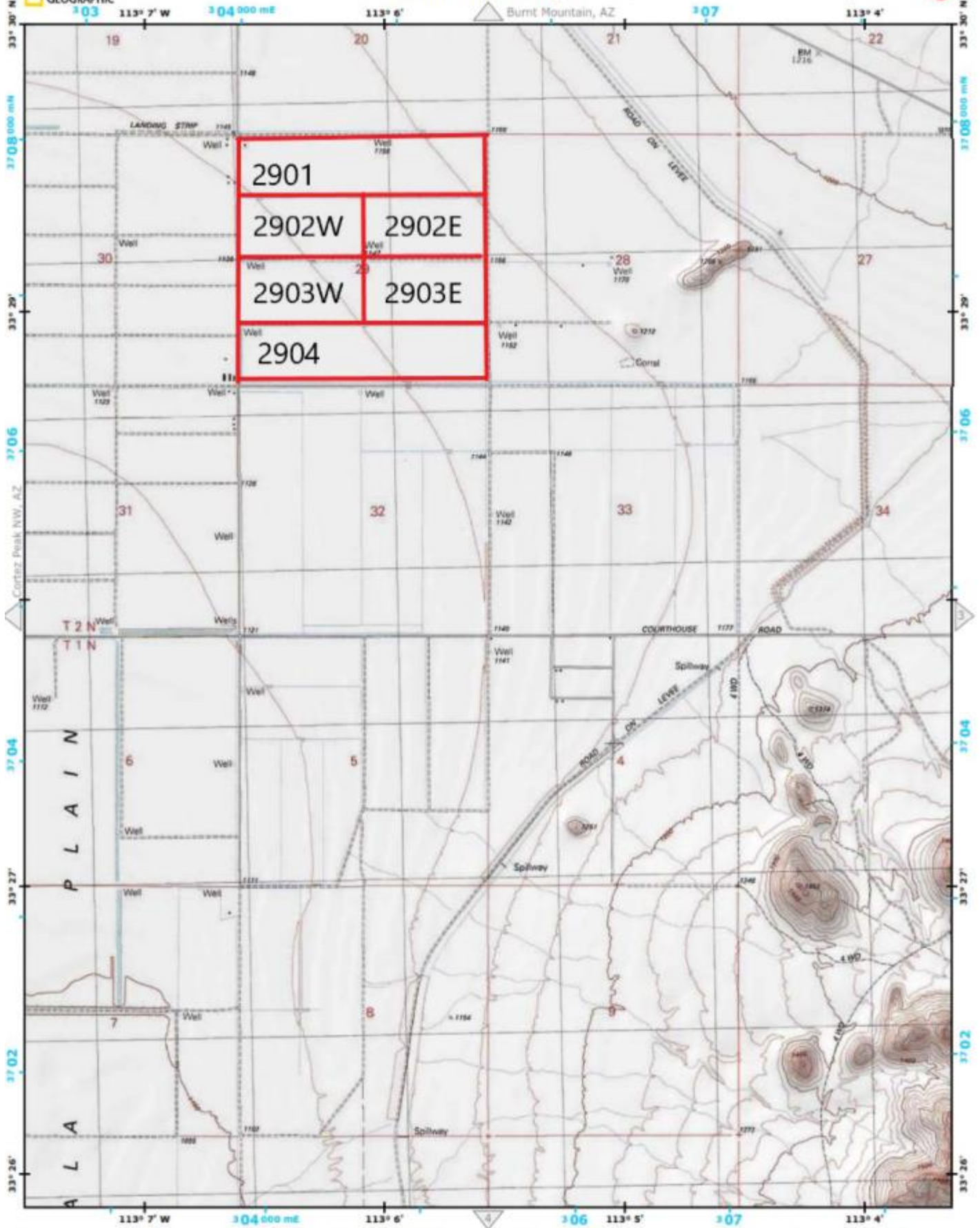
0 0.5 1 MILES  
0 1000 2000 3000 FEET  
0 0.5 1 KILOMETERS  
1000 METERS

NAD83/WGS84 UTM Zone 12  
© 2016 National Geographic Partners. Please refer to index map on page 1 for more details. User assumes all risk associated with the use of this map.

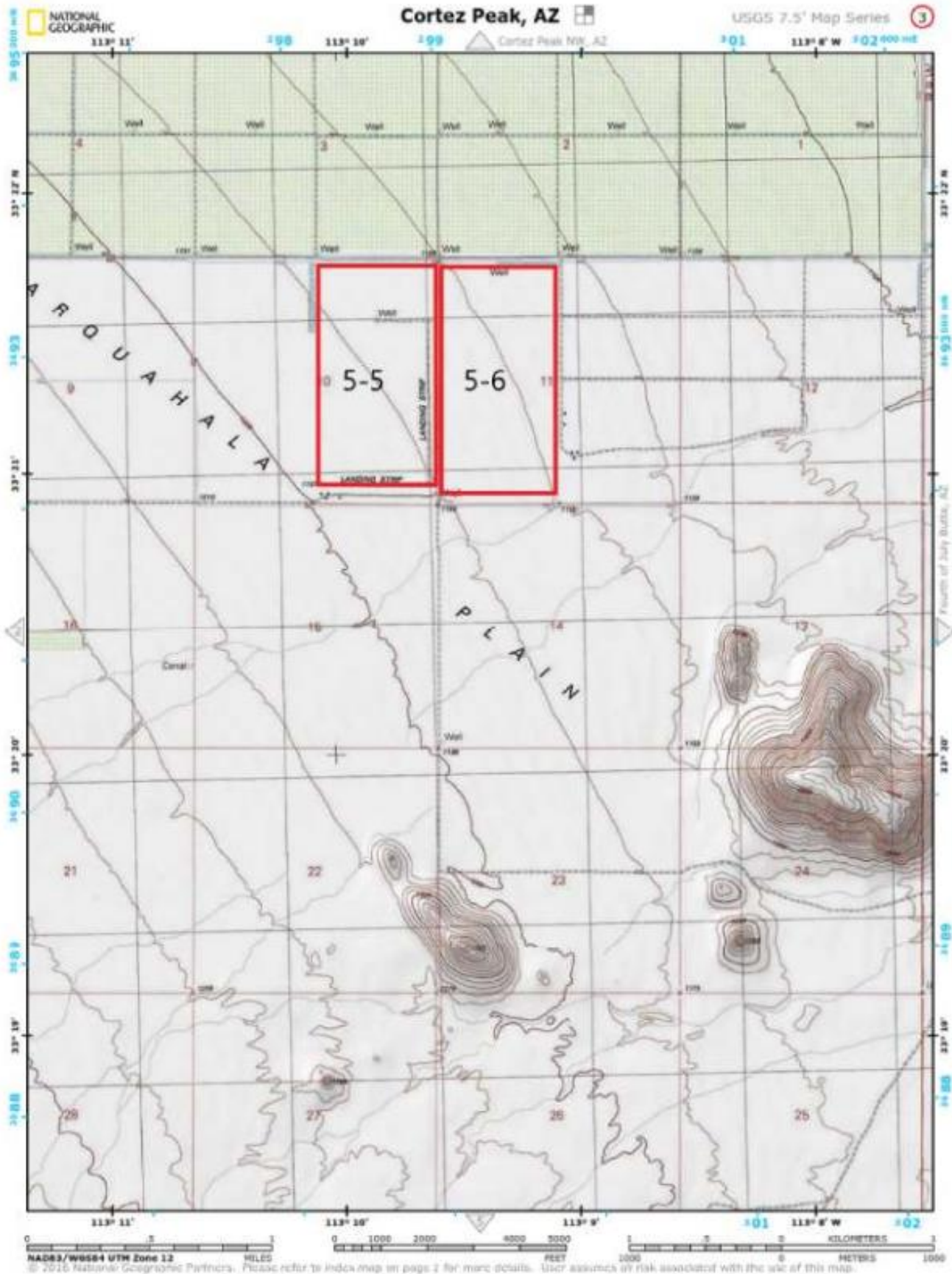


Map provided by MyTopo.com





# MA 5



## **Certification Statement**


## **Solid Solutions**

A Denali Water Solutions company  
1425 Victoria Ct, Unit B2  
San Bernardino, CA 92408

### **Arizona Biosolids Land Application 2020**

#### 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: 1/30/21

# Lancaster WRP Influent Monitoring

Lancaster Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020
1,1,1-Trichloroethane	ug/L			ND						
1,1,2,2-Tetrachloroethane	ug/L			ND						
1,1,2-Trichloroethane	ug/L			ND						
1,1-Dichloroethane	ug/L			ND						
1,1-Dichloroethene	ug/L			ND						
1,2,4-Trichlorobenzene	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						
1,3-Dichlorobenzene	ug/L			ND						
1,4-Dichlorobenzene	ug/L			ND						
2,4,6-Trichlorophenol	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						
2,6-Dinitrotoluene	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						
3,3'-Dichlorobenzidine	ug/L			ND						
3-Methyl-4-chlorophenol	ug/L			ND						
4,4'-DDD	ug/L			ND						
4,4'-DDE	ug/L			ND						
4,4'-DDT	ug/L			ND						
4-Bromophenyl phenyl ether	ug/L			ND						
4-Chlorophenyl phenyl ether	ug/L			ND						
4-Nitrophenol	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			341						
Ammonia as nitrogen	mg/L	37.8		40.2	36.3			33.0		
Anthracene	ug/L			ND						
Antimony	ug/L			0.60						
Aroclor 1016	ug/L			ND						
Aroclor 1221	ug/L			ND						
Aroclor 1232	ug/L			ND						
Aroclor 1242	ug/L			ND						
Aroclor 1248	ug/L			ND						
Aroclor 1254	ug/L			ND						
Aroclor 1260	ug/L			ND						
Arsenic	ug/L			2.54						
Barium	ug/L			57.1						
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						
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						
Bromodichloromethane	ug/L			DNO Est. Conc. 0.22						

Lancaster Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	October 2020	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1		0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624.1		0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1		0.13	0.50
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1		0.08	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624.1		0.21	0.50
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625.1		0.51	20.0
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1		0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1		0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624.1		0.14	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625.1		0.63	20.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1		0.15	0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1		0.25	0.50
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.64	20.0
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.60	20.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625.1		0.44	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625.1		1.5	100
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1		0.37	20.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1		0.50	20.0
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624.1		0.28	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625.1		0.41	20.0
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.41	20.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625.1		1.3	100
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1		0.31	20.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625.1		0.54	20.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.69	20.0
4,4'-DDD	ug/L				ND	ND	ND	EPA 608.3	0.05	0.005	0.10
4,4'-DDE	ug/L				ND	ND	ND	EPA 608.3	0.05	0.004	0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.10
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1		0.58	20.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1		0.63	20.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1		1.6	100
Acenaphthene	ug/L				ND	ND	ND	EPA 625.1		0.50	20.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625.1		0.50	20.0
Acrolein	ug/L				ND	ND	ND	EPA 624.1		0.64	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624.1		0.64	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.10
Aluminum	mg/L				341	341	341	EPA 200.8		1.70	10.0
Ammonia as nitrogen	mg/L	31.8			31.8	35.8	40.2	SM 4500 NH3 G		0.01 - 0.043	3.00 - 5.0
Anthracene	ug/L				ND	ND	ND	EPA 625.1		0.56	20.0
Antimony	ug/L				0.60	0.60	0.60	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608.3	0.5	0.02	1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	1.0
Aroclor 1260	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	1.0
Arsenic	ug/L				2.54	2.54	2.54	EPA 200.8	2	0.06	1.00
Barium	ug/L				57.1	57.1	57.1	EPA 200.8		0.24	0.50
Benzene	ug/L				ND	ND	ND	EPA 624.1		0.09	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625.1		0.77	100
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625.1		0.46	20.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625.1		0.54	20.0
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625.1		0.61	20.0
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625.1		0.52	20.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625.1		0.53	20.0
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625.1		0.28	20.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625.1		0.27	20.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625.1		0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625.1		0.55	20.0
Bromodichloromethane	ug/L				DNO Est. Conc. 0.22	ND	DNO Est. Conc. 0.22	EPA 624.1		0.11	0.50

Lancaster Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020
Bromoform	ug/L			0.52						
Butyl benzyl phthalate	ug/L			ND						
Cadmium	ug/L			DNO Est. Conc. 0.18						
Calcium	mg/L			45.7						
Carbon tetrachloride	ug/L			ND						
Chemical oxygen demand (COD)	mg/L	747	750	656	701	636	649	737	610	598
Chloride	mg/L			105	96.4			103		
Chlorobenzene	ug/L			ND						
Chlorodibromomethane	ug/L			DNO Est. Conc. 0.42						
Chloroethane	ug/L			ND						
Chloroform	ug/L			1.3						
Chromium VI	ug/L			DNO Est. Conc. 0.03						
Chromium, total	ug/L			5.25						
Chrysene	ug/L			ND						
cis-1,3-Dichloropropene	ug/L			ND						
Cobalt	ug/L			0.29						
Copper	ug/L			43.7						
delta-BHC	ug/L			ND						
Di-n-butyl phthalate	ug/L			ND						
Di-n-octyl phthalate	ug/L			ND						
Dibenzo(a,h)anthracene	ug/L			ND						
Dibromoacetic acid	ug/L			1.0						
Dichloroacetic acid	ug/L			2.1						
Dieldrin	ug/L			ND						
Diesel range organics	ug/L			17000						
Diethyl phthalate	ug/L			ND						
Dimethyl phthalate	ug/L			ND						
Endosulfan I	ug/L			ND						
Endosulfan II	ug/L			ND						
Endosulfan sulfate	ug/L			ND						
Endrin	ug/L			ND						
Endrin aldehyde	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			DNO Est. Conc. 15						
Haloacetic Acids (HAA5)	ug/L			5.2						
Heptachlor	ug/L			ND						
Heptachlor epoxide	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	ug/L			0.58						
Isophorone	ug/L			ND						
Lead	ug/L			0.97						
m-p-Xylenes	ug/L			ND						
Magnesium	mg/L			11.3						
Manganese	ug/L			22.5						
Mercury	ug/L			0.42						
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	ug/L			2.40						
Monobromoacetic acid	ug/L			ND						
Monochloroacetic acid	ug/L			ND						
n-Nitrosodi-n-propylamine	ug/L			ND						
n-Nitrosodimethylamine (NDMA)	ug/L			0.025						
n-Nitrosodiphenylamine	ug/L			ND						
Naphthalene	ug/L			ND						
Nickel	ug/L			2.25						



Lancaster Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	October 2020	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
Bromoform	ug/L				0.52	0.52	0.52	EPA 624.1		0.18	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.58	20.0
Cadmium	ug/L				DNO Est. Conc. 0.18	ND	DNO Est. Conc. 0.18	EPA 200.8	0.25	0.066	0.20
Calcium	mg/L				45.7	45.7	45.7	EPA 200.8		0.006	0.020
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624.1		0.18	0.50
Chemical oxygen demand (COD)	mg/L	635	600	846	598	680	846	SM 5220D (std)		7.8 - 11.0	25.0 - 125
Chloride	mg/L	108			96.4	103	108	EPA 300.0		0.120	4.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND	EPA 624.1		0.10	0.50
Chlorodibromomethane	ug/L				DNO Est. Conc. 0.42	ND	DNO Est. Conc. 0.42	EPA 624.1		0.11	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624.1		0.31	0.50
Chloroform	ug/L				1.3	1.3	1.3	EPA 624.1		0.08	0.50
Chromium VI	ug/L				DNO Est. Conc. 0.03	ND	DNO Est. Conc. 0.03	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				5.25	5.25	5.25	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625.1		0.41	20.0
cis-1,3-Dichloropropene	ug/L				ND	ND	ND	EPA 624.1		0.08	0.50
Cobalt	ug/L				0.29	0.29	0.29	EPA 200.8		0.01	0.25
Copper	ug/L				43.7	43.7	43.7	EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608.3	0.005	0.004	0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.59	20.0
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.69	20.0
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625.1		0.58	20.0
Dibromoacetic acid	ug/L				1.0	1.0	1.0	EPA 552.3		0.32	1.0
Dichloroacetic acid	ug/L				2.1	2.1	2.1	EPA 552.3		0.37	1.0
Dieldrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.0009	0.10
Diesel range organics	ug/L				17000	17000	17000	SW8015 Diesel/Oil Organics		240	1000
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.42	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.41	20.0
Endosulfan I	ug/L				ND	ND	ND	EPA 608.3	0.02	0.004	0.10
Endosulfan II	ug/L				ND	ND	ND	EPA 608.3	0.01	0.003	0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608.3	0.05	0.02	0.40
Endrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608.3	0.01	0.006	0.10
Ethylbenzene	ug/L				ND	ND	ND	EPA 624.1		0.15	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625.1		0.69	20.0
Fluorene	ug/L				ND	ND	ND	EPA 625.1		0.58	20.0
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608.3	0.02	0.002	0.10
Gasoline range organics	ug/L				DNO Est. Conc. 15	ND	DNO Est. Conc. 15	SW8015 Gas-Range Organics		9	50
Haloacetic Acids (HAA5)	ug/L				5.2	5.2	5.2	EPA 552.3		1.0	1.0
Heptachlor	ug/L				ND	ND	ND	EPA 608.3	0.01	0.005	0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608.3	0.01	0.005	0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625.1		0.47	20.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625.1		0.96	20.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625.1		2.0	100
Hexachloroethane	ug/L				ND	ND	ND	EPA 625.1		0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625.1		0.53	20.0
Iron	ug/L				0.58	0.58	0.58	EPA 200.8		0.003	0.020
Isophorone	ug/L				ND	ND	ND	EPA 625.1		0.28	20.0
Lead	ug/L				0.97	0.97	0.97	EPA 200.8	0.5	0.01	0.25
m-p-Xylenes	ug/L				ND	ND	ND	EPA 624.1		0.38	1.0
Magnesium	mg/L				11.3	11.3	11.3	EPA 200.8		0.001	0.020
Manganese	ug/L				22.5	22.5	22.5	EPA 200.8		0.10	1.00
Mercury	ug/L				0.42	0.42	0.42	EPA 245.1	0.5	0.012	0.040
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624.1		0.30	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624.1		0.41	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND	EPA 624.1		0.08	0.50
Methylene chloride	ug/L				ND	ND	ND	EPA 624.1		0.46	0.50
Molybdenum	ug/L				2.40	2.40	2.40	EPA 200.8		0.02	0.25
Monobromoacetic acid	ug/L				ND	ND	ND	EPA 552.3		0.39	1.0
Monochloroacetic acid	ug/L				ND	ND	ND	EPA 552.3		0.34	2.0
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625.1		0.36	20.0
n-Nitrosodimethylamine (NDMA)	ug/L				0.025	0.025	0.025	EPA 1625B (Modified)		0.0005	0.010
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625.1		0.64	20.0
Naphthalene	ug/L				ND	ND	ND	EPA 625.1		0.20	20.0
Nickel	ug/L				2.25	2.25	2.25	EPA 200.8	1	0.07	1.00

Lancaster Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020
Nitrate as nitrogen	mg/L	ND			ND			DNQ Est. Conc. 0.078		
Nitrite as nitrogen	mg/L	0.049			ND			ND		
Nitrobenzene	ug/L			ND						
o-Xylene	ug/L			ND						
Oil range organics	ug/L			4900						
Pentachlorophenol	ug/L			ND						
pH	SU	7.7	7.8	7.8	7.7	7.5	7.6	7.7	7.6	7.6
Phenanthrene	ug/L			ND						
Phenol	ug/L			45.4						
Phenols	ug/L			0.061						
Potassium	mg/L			15.5						
Pyrene	ug/L			ND						
Selenium	ug/L			1.26						
Silver	ug/L			DNQ Est. Conc. 0.14						
Sodium	mg/L			113						
Sulfate	mg/L			68.7						
Surfactant (MBAS)	mg/L	8.26			7.06			8.59		
Technical Chlordane	ug/L			ND						
Tetrachloroethene	ug/L			ND						
Thallium	ug/L			ND						
Toluene	ug/L			0.91						
Total BOD	mg/L	320	290	170	244	271	269	342	246	217
Total Carbonaceous BOD5	mg/L	323	234	171	222	251	249	303	190	192
Total cyanide	ug/L			ND						
Total dissolved solids	mg/L	428								
Total Kjeldahl Nitrogen (TKN)	mg/L	55.8		55.3	56.5			52.0		
Total organic carbon	mg/L			55.7	48.1			56.4		
Total Petroleum Hydrocarbons	ug/L			21900						
Total Suspended Solids	mg/L	399	290	334	342	298	244	372	248	264
Total Trihalomethanes	ug/l			1.8						
Toxaphene	ug/L			ND						
trans-1,2-Dichloroethene	ug/L			ND						
trans-1,3-Dichloropropene	ug/L			ND						
Trichloroacetic acid	ug/L			2.1						
Trichloroethene	ug/L			ND						
Vanadium	ug/L			10.4						
Vinyl chloride	ug/L			ND						
Zinc	ug/L			394						

Lancaster Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	October 2020	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
Nitrate as nitrogen	mg/L	DNQ Est. Conc. 0.066			ND	ND	DNQ Est. Conc. 0.078	SM 4500 NO3 F		0.020 - 0.048	0.200
Nitrite as nitrogen	mg/L	ND			ND	ND	0.049	SM 4500 NO3 F		0.003 - 0.015	0.030
Nitrobenzene	ug/L				ND	ND	ND	EPA 625.1		0.31	20.0
o-Xylene	ug/L				ND	ND	ND	EPA 624.1		0.16	0.50
Oil range organics	ug/L				4900	4900	4900	SW8015 Diesel/Oil Organics		1600	2500
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.82	20.0
pH	SU	7.6	7.6	7.7	7.5	7.6	7.8	SM 4500 H+ B			
Phenanthrene	ug/L				ND	ND	ND	EPA 625.1		0.59	20.0
Phenol	ug/L				45.4	45.4	45.4	EPA 625.1		0.24	20.0
Phenols	ug/L				0.061	0.061	0.061	EPA 420.1		0.003	0.060
Potassium	mg/L				15.5	15.5	15.5	EPA 200.8		0.025	0.20
Pyrene	ug/L				ND	ND	ND	EPA 625.1		0.60	20.0
Selenium	ug/L				1.26	1.26	1.26	EPA 200.8	2	0.02	1.00
Silver	ug/L				DNQ Est. Conc. 0.14	ND	DNQ Est. Conc. 0.14	EPA 200.8	0.25	0.02	0.20
Sodium	mg/L				113	113	113	EPA 200.8		0.033	4.0
Sulfate	mg/L				68.7	68.7	68.7	EPA 300.0		0.110	2.50
Surfactant (MBAS)	mg/L	8.50			7.06	8.10	8.59	SM 5540C		0.005 - 0.03	4.00
Technical Chlordane	ug/L				ND	ND	ND	EPA 608.3	0.1	0.04	0.50
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624.1		0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L				0.91	0.91	0.91	EPA 624.1		0.15	0.50
Total BOD	mg/L	237	243	261	170	259	342	SM 5210B			75 - 120
Total Carbonaceous BOD5	mg/L	226	168	184	168	226	323	SM 5210B			75 - 100
Total cyanide	ug/L				ND	ND	ND	SM 4500 CN E	5	0.0010	0.0050
Total dissolved solids	mg/L				428	428	428	SM 2540C		2.69	25
Total Kjeldahl Nitrogen (TKN)	mg/L	43.2			43.2	52.6	56.5	EPA 351.2			
Total organic carbon	mg/L	51.1			48.1	52.8	56.4	SM 5310C		0.13 - 0.18	12.5 - 25.0
Total Petroleum Hydrocarbons	ug/L				21900	21900	21900	Calculated			
Total Suspended Solids	mg/L	240	242	258	240	294	399	SM 2540D			50.0 - 100
Total Trihalomethanes	ug/l				1.8	1.8	1.8	Calculated			
Toxaphene	ug/L				ND	ND	ND	EPA 608.3	0.5	0.3	5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624.1		0.06	0.50
trans-1,3-Dichloropropene	ug/L				ND	ND	ND	EPA 624.1		0.19	0.50
Trichloroacetic acid	ug/L				2.1	2.1	2.1	EPA 552.3		0.28	1.0
Trichloroethene	ug/L				ND	ND	ND	EPA 624.1		0.15	0.50
Vanadium	ug/L				10.4	10.4	10.4	EPA 200.8		0.03	1.00
Vinyl chloride	ug/L				ND	ND	ND	EPA 624.1		0.25	0.50
Zinc	ug/L				394	394	394	EPA 200.8	1	0.70	20.0

# Lancaster WRP Effluent Monitoring

Lancaster Water Reclamation Plant 2020  
Tertiary Effluent Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020
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						
1,4-Dichlorobenzene	ug/L			ND				ND		
2,3,7,8-TCDD	ug/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				ND		
Aldrin	ug/L			ND				ND		
alpha-BHC	ug/L			ND				ND		
Aluminum	ug/L			ND				DNO Est. Conc. 8.94		
Ammonia as nitrogen	mg/L	1.23	2.30	1.36	2.43	1.22	1.51	1.03	1.09	1.08
Anthracene	ug/L			ND				ND		
Antimony	ug/L			DNO Est. Conc. 0.48				0.54		
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			1.33				1.48		
Barium	ug/L			25.3				27.1		
Benzene	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			4.2	1.1			3.1		
Bromoform	ug/L			ND	ND			ND		

Lancaster Water Reclamation Plant 2020  
Tertiary Effluent Monitoring Results

Parameter	Units	October 2020	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624.1		0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624.1		0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624.1		0.13	0.50
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624.1		0.08	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624.1		0.21	0.50
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625.1		0.51	1.0
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624.1		0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624.1		0.14	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625.1		0.63	1.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			Calculated			
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1		0.25	0.50
2,3,7,8-TCDD	ug/L				ND	ND	ND			EPA 1613B		0.62 - 1.8	10 - 11
2,4,6-Trichlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.64	1.0
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.60	1.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625.1		0.44	1.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625.1		1.5	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1		0.37	1.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1		0.50	1.0
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624.1		0.28	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625.1		0.41	1.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.41	1.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625.1		1.3	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1		0.31	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625.1		0.54	1.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.69	1.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608.3	0.05	0.005	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608.3	0.05	0.004	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1		0.58	1.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1		0.63	1.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1		1.6	5.0
Acenaphthene	ug/L				ND	ND	ND			EPA 625.1		0.50	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625.1		0.50	1.0
Acrolein	ug/L				ND	ND	ND			EPA 624.1		0.64	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624.1		0.64	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608.3	0.005	0.003	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Aluminum	ug/L				ND	ND	DNO Est. Conc. 8.94			EPA 200.8		1.70	10.0
Ammonia as nitrogen	mg/L	2.24	2.32	1.47	1.03	1.61	2.43		(1)	SM 4500 NH3 G		0.020 - 0.043	0.100 - 0.500
Anthracene	ug/L				ND	ND	ND			EPA 625.1		0.56	1.0
Antimony	ug/L				DNO Est. Conc. 0.48	ND	0.54			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608.3	0.5	0.02	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.1
Aroclor 1260	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.1
Arsenic	ug/L				1.33	1.40	1.48			EPA 200.8	2	0.06	1.00
Barium	ug/L				25.3	26.2	27.1			EPA 200.8		0.24	0.50
Benzene	ug/L				ND	ND	ND			EPA 624.1		0.09	0.50
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625.1		0.77	5.0
Benzo(a)pyrene	ug/L				ND	ND	ND			EPA 625.1		0.46	1.0
Benzo(b)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.013	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 610	10	0.015	0.020
Benzo(k)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.014	0.020
Beryllium	ug/L				ND	ND	ND			EPA 200.8	0.5	0.02	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608.3	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625.1		0.28	1.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625.1		0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625.1		0.25	1.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625.1		0.55	1.0
Bromodichloromethane	ug/L	1.0			1.0	2.4	4.2			EPA 624.1		0.11	0.50
Bromoform	ug/L	ND			ND	ND	ND			EPA 624.1		0.18	0.50

Lancaster Water Reclamation Plant 2020  
Tertiary Effluent Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020
Butyl benzyl phthalate	ug/L			ND				ND		
Cadmium	ug/L			ND				ND		
Calcium	mg/L			39.3	43.1			41.6		
Carbon tetrachloride	ug/L			ND				ND		
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	ND	ND	DNQ Est. Conc. 20.1	DNQ Est. Conc. 22.7	DNQ Est. Conc. 22.7
Chloride	mg/L			123	115			121		
Chlorobenzene	ug/L			ND				ND		
Chlorodibromomethane	ug/L			0.68	DNQ Est. Conc. 0.12			DNQ Est. Conc. 0.44		
Chloroethane	ug/L			ND				ND		
Chloroform	ug/L			12.3	4.3			9.1		
Chromium VI	ug/L			DNQ Est. Conc. 0.04						DNQ Est. Conc. 0.03
Chromium, total	ug/L			1.18				0.93		
Chrysene	ug/L			ND				ND		
cis-1,3-Dichloropropene	ug/L			ND				ND		
Cobalt	ug/L			DNQ Est. Conc. 0.12				DNQ Est. Conc. 0.14		
Copper	ug/L			1.33				1.15		
delta-BHC	ug/L			ND				ND		
Di-n-butyl phthalate	ug/L			ND				ND		
Di-n-octyl phthalate	ug/L			ND				ND		
Dibenzo(a,h)anthracene	ug/L			ND				ND		
Dibromoacetic acid	ug/L			ND	ND			ND		
Dichloroacetic acid	ug/L			16	12			13		
Dieldrin	ug/L			ND				ND		
Diesel range organics	ug/L			DNQ Est. Conc. 72						
Diethyl phthalate	ug/L			ND				ND		
Dimethyl phthalate	ug/L			ND				ND		
Dissolved oxygen	mg/L	8.5	8.5	8.4	8.0	7.8	7.5	7.3	7.2	7.3
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				ND		
Fluoranthene	ug/L			ND				ND		
Fluorene	ug/L			ND				ND		
gamma-BHC (Lindane)	ug/L			ND						ND
Gasoline range organics	ug/L			ND						
Haloacetic Acids (HAAS)	ug/L			26	16			17		
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		
Iron	ug/L			0.05				0.06		
Isophorone	ug/L			ND				ND		
Lead	ug/L			DNQ Est. Conc. 0.04				DNQ Est. Conc. 0.04		
m-p-Xylenes	ug/L			ND				ND		
Magnesium	mg/L			9.2	7.1			7.7		
Manganese	ug/L			14.0				14.3		
Mercury	ug/L		0.00058							DNQ Est. Conc. 0.00043
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	ug/L			2.04				2.78		
Monobromoacetic acid	ug/L			ND	ND			ND		
Monochloroacetic acid	ug/L			3.1	ND			DNQ Est. Conc. 1.6		
n-Nitrosodi-n-propylamine	ug/L			ND	ND			ND		
n-Nitrosodimethylamine (NDMA)	ug/L			2.1	4.6			2.1		
n-Nitrosodiphenylamine	ug/L			ND	ND			ND		
Naphthalene	ug/L			ND				ND		
Nickel	ug/L			DNQ Est. Conc. 0.85				DNQ Est. Conc. 0.84		
Nitrate as nitrogen	mg/L	6.65	3.82	6.61	4.85	4.81	4.89	5.59	5.43	6.20
Nitrite as nitrogen	mg/L	0.056	0.078	0.033	0.055	0.060	0.055	0.064	0.052	0.046
Nitrobenzene	ug/L			ND				ND		

Lancaster Water Reclamation Plant 2020  
Tertiary Effluent Monitoring Results

Parameter	Units	October 2020	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.58	1.0
Cadmium	ug/L				ND	ND	ND			EPA 200.8	0.25	0.066	0.20
Calcium	mg/L	42.1			39.3	41.5	43.1			EPA 200.8		0.006	0.02
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624.1		0.18	0.50
Chemical oxygen demand (COD)	mg/L	DNO Est. Conc. 18.9	DNO Est. Conc. 12.7	DNO Est. Conc. 20.3	ND	ND	DNO Est. Conc. 22.7			SM 5220D (std)		7.8 - 11.0	25.0
Chloride	mg/L	141			115	125	141			EPA 300.0		0.120	10.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624.1		0.10	0.50
Chlorodibromomethane	ug/L	DNO Est. Conc. 0.19			DNO Est. Conc. 0.12	ND	0.68			EPA 624.1		0.11	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624.1		0.31	0.50
Chloroform	ug/L	2.8			2.8	7.1	12.3			EPA 624.1		0.08	0.50
Chromium VI	ug/L				DNO Est. Conc. 0.03	ND	DNO Est. Conc. 0.04			EPA 218.6 (Dissolved)		.01 - 0.02	0.05
Chromium, total	ug/L				0.93	1.1	1.18			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND			EPA 610	10	0.014	0.020
cis-1,3-Dichloropropene	ug/L				ND	ND	ND			EPA 624.1		0.08	0.50
Cobalt	ug/L				DNO Est. Conc. 0.12	ND	DNO Est. Conc. 0.14			EPA 200.8		0.01	0.25
Copper	ug/L				1.15	1.24	1.33			EPA 200.8	0.5	0.05	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608.3	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.59	1.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.69	1.0
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND			EPA 610	10	0.014	0.020
Dibromoacetic acid	ug/L	DNO Est. Conc. 0.42			ND	ND	DNO Est. Conc. 0.42			EPA 552.3		0.32	1.0
Dichloroacetic acid	ug/L	11			11	13	16			EPA 552.3		0.37	1.0
Dieldrin	ug/L				ND	ND	ND			EPA 608.3	0.01	0.0009	0.01
Diesel range organics	ug/L				DNO Est. Conc. 72	ND	DNO Est. Conc. 72			SW8015 Diesel/Oil Organics		24	100
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.42	1.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.41	1.0
Dissolved oxygen	mg/L	7.5	7.9	8.2	7.2	7.8	8.5			HACH 10360 LDO			0.2
Endosulfan I	ug/L				ND	ND	ND			EPA 608.3	0.02	0.004	0.01
Endosulfan II	ug/L				ND	ND	ND			EPA 608.3	0.01	0.003	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608.3	0.05	0.02	0.04
Endrin	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608 & EPA 608.3/8081/8082	0.01	0.003 - 0.006	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
Fluoranthene	ug/L				ND	ND	ND			EPA 625.1		0.69	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625.1		0.58	1.0
gamma-BHC (Lindane)	ug/L				ND	ND	ND			EPA 608 & EPA 608.3/8081/8082	0.02	0.002 - 0.003	0.01
Gasoline range organics	ug/L				ND	ND	ND			SW8015 Gas-Range Organics		9	50
Haloacetic Acids (HAAs)	ug/L	13			13	18	26			Calculated			
Heptachlor	ug/L				ND	ND	ND			EPA 608 & EPA 608.3/8081/8082	0.01	0.002 - 0.005	0.01
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625.1		0.47	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625.1		0.96	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625.1		2.0	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625.1		0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND			EPA 610	10	0.013	0.020
Iron	ug/L				0.05	0.06	0.06			EPA 200.8		0.00	0.02
Isophorone	ug/L				ND	ND	ND			EPA 625.1		0.28	1.0
Lead	ug/L				DNO Est. Conc. 0.04	ND	DNO Est. Conc. 0.04			EPA 200.8	0.5	0.01	0.25
m-p-Xylenes	ug/L				ND	ND	ND			EPA 624.1		0.38	1.0
Magnesium	mg/L	9.6			7.1	8.4	9.6			EPA 200.8		0.001	0.020
Manganese	ug/L				14.0	14.2	14.3			EPA 200.8		0.10	1.00
Mercury	ug/L				DNO Est. Conc. 0.00043	ND	0.00058			EPA 1631E		0.000047	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624.1		0.30	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624.1		0.41	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624.1		0.08	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624.1		0.46	0.50
Molybdenum	ug/L				2.04	2.41	2.78			EPA 200.8		0.02	0.25
Monobromoacetic acid	ug/L	ND			ND	ND	ND			EPA 552.3		0.39	1.0
Monochloroacetic acid	ug/L	DNO Est. Conc. 1.9			ND	ND	3.1			EPA 552.3		0.34	2.0
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625.1 & EPA 1625B (Modified)		0.0006 - 0.36	0.010 - 1.0
n-Nitrosodimethylamine (NDMA)	ug/L	2.5			2.1	2.8	4.6			EPA 1625B (Modified)		0.0005	0.010
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625.1 & EPA 1625B (Modified)		0.0013 - 0.64	0.050 - 1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625.1		0.20	1.0
Nickel	ug/L				DNO Est. Conc. 0.84	ND	DNO Est. Conc. 0.85			EPA 200.8	1	0.07	1.00
Nitrate as nitrogen	mg/L	5.02	5.53	5.08	3.82	5.37	6.65			SM 4500 NO3 F		0.020 - 0.048	0.200
Nitrite as nitrogen	mg/L	0.109	0.103	0.066	0.033	0.065	0.109			SM 4500 NO3 F		0.003 - 0.015	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625.1		0.31	1.0



Lancaster Water Reclamation Plant 2020  
Tertiary Effluent Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020
o-Xylene	ug/L			ND				ND		
Oil range organics	ug/L			ND						
Pentachlorophenol	ug/L			ND				ND		
pH	SU	7.4	7.4	7.5	7.4	7.5	7.5	7.5	7.5	7.4
Phenanthrene	ug/L			ND				ND		
Phenol	ug/L			ND				ND		
Phenols	ug/L			ND						
Potassium	mg/L			13.9				14.5		
Pyrene	ug/L			ND				ND		
Selenium	ug/L			DNO Est. Conc. 0.58				DNQ Est. Conc. 0.44		
Silver	ug/L			ND				ND		
Sodium	mg/L			115	99.9			117		
Sulfate	mg/L			74.3	68.6			91.6		
Surfactant (MBAS)	mg/L	ND			ND			DNQ Est. Conc. 0.08		
Technical Chlordane	ug/L			ND				ND		
Temperature	°C	18.6	19.2	19.3	20.6	23.4	24.9	27.1	26.8	27.5
Tetrachloroethene	ug/L			ND				ND		
Thallium	ug/L			ND				ND		
Toluene	ug/L			ND				ND		
Total BOD	mg/L	ND	ND	ND	ND	9.5	ND	ND	ND	ND
Total Carbonaceous BOD5	mg/L	ND	ND	ND	ND	8	ND	ND	ND	ND
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L					ND				
Total dissolved solids	mg/L	440			465			508		
Total Kjeldahl Nitrogen (TKN)	mg/L	2.20	3.71	2.72	3.36	1.99	2.50	1.61	1.75	1.86
Total organic carbon	mg/L			5.64	5.39			5.09		
Total Petroleum Hydrocarbons	ug/L			ND						
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L			17.2	5.4			12.2		
Toxaphene	ug/L			ND				ND		
trans-1,2-Dichloroethene	ug/L			ND				ND		
trans-1,3-Dichloropropene	ug/L			ND				ND		
Trichloroacetic acid	ug/L			6.5	3.6			3.8		
Trichloroethene	ug/L			ND				ND		
Vanadium	ug/L			5.09				7.14		
Vinyl chloride	ug/L			ND				ND		
Zinc	ug/L			70.4				104		

Lancaster Water Reclamation Plant 2020  
Tertiary Effluent Monitoring Results

Parameter	Units	October 2020	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
o-Xylene	ug/L				ND	ND	ND			EPA 624.1		0.16	0.50
Oil range organics	ug/L				ND	ND	ND			SW8015 Diesel/Oil Organics		330	500
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.82	1.0
pH	SU	7.4	7.4	7.3	7.3	7.4	7.5			SM 4500 H+ B			
Phenanthrene	ug/L				ND	ND	ND			EPA 625.1		0.59	1.0
Phenol	ug/L				ND	ND	ND			EPA 625.1		0.24	1.0
Phenols	ug/L				ND	ND	ND			EPA 420.1		0.003	0.006
Potassium	mg/L				13.9	14.2	14.5			EPA 200.8		0.025	0.20
Pyrene	ug/L				ND	ND	ND			EPA 625.1		0.60	1.0
Selenium	ug/L				DNO Est. Conc. 0.44	ND	DNO Est. Conc. 0.58			EPA 200.8		2	0.02
Silver	ug/L				ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Sodium	mg/L	122			99.9	113	122			EPA 200.8		0.033	0.20 - 4.0
Sulfate	mg/L	69.9			68.6	76.1	91.6			EPA 300.0		0.110	2.50
Surfactant (MBAS)	mg/L	0.11			ND	ND	0.11			SM 5540C		0.005 - 0.029	0.10
Technical Chlordane	ug/L				ND	ND	ND			EPA 608.3	0.1	0.04	0.05
Temperature	°C	25.4	22.4	20.3	18.6	23.0	27.5			EPA 170.1 (°C)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624.1		0.18	0.50
Thallium	ug/L				ND	ND	ND			EPA 200.8	1	0.01	0.25
Toluene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
Total BOD	mg/L	ND	ND	ND	ND	ND	9.5	30	10	SM 5210B			3
Total Carbonaceous BOD5	mg/L	ND	ND	ND	ND	ND	8			SM 5210B			3
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	(2)	(2)	SM 9222B			1
Total cyanide	ug/L	ND			ND	ND	ND			SM 4500 CN E	5	0.0020 - 2.00	0.0050 - 5.00
Total dissolved solids	mg/L	517			440	482	517			SM 2540C			25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	4.03	2.33	2.11	1.61	2.51	4.03			EPA 351.2		0.045 - 0.129	0.400 - 1.00
Total organic carbon	mg/L	5.82			5.09	5.48	5.82			SM 5310C		0.13 - 0.18	0.50 - 2.50
Total Petroleum Hydrocarbons	ug/L				ND	ND	ND			Calculated			
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND	ND			SM 2540D			2.5
Total trihalomethanes	ug/L	3.8			3.8	9.6	17.2			Calculated			
Toxaphene	ug/L				ND	ND	ND			EPA 608.3	0.5	0.26 - 0.3	0.50 - 0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624.1		0.06	0.50
trans-1,3-Dichloropropene	ug/L				ND	ND	ND			EPA 624.1		0.19	0.50
Trichloroacetic acid	ug/L	2.4			2.4	4.1	6.5			EPA 552.3		0.28	1.0
Trichloroethene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
Vanadium	ug/L				5.09	6.12	7.14			EPA 200.8		0.03	1.00
Vinyl chloride	ug/L				ND	ND	ND			EPA 624.1		0.25	0.50
Zinc	ug/L				70.4	87.2	104			EPA 200.8	1	0.70	1.00

(1) When discharging to Palute Ponds: ammonia limit is a function of pH, per WQCB Order No. R6V-2002-0531A, 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

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](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](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](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](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](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.

**Public Availability of Information Submitted on and with General Permit Reports**

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 personal information (e.g., non-business cell phone number or non-business email address), 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.

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

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with EPA regulations (40 CFR 503.18, 503.28, and 503.48). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 3 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Facility Information

**Facility Name:** LACSD - LANCASTER WRP

**NPDES ID:** CAL010513

Program Information

**Please select all of the following that apply 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).**

2319

**Reporting Period Start Date:** 01/01/2020

**Reporting Period End Date:** 12/31/2020

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 (e.g., Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter, Screw Press)

**Other Processes to Manage Sewage Sludge:**

Methane or Biogas Capture and Recovery

Analytical Methods

Did you or your facility collect sewage sludge or biosolids samples for laboratory analysis?  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:**

SM 4500 NH3

- Other Nitrate Nitrogen Analytical Method

**Other Analytical Methods Text Area:**

SM 4500 NO3

Sludge Management - Land Application

ID: 001

Amount: 2319

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  
323-843-7265  
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](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](http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116))).

<b>Compliance Monitoring Event No. 1</b>	<b>Compliance Monitoring Period Start Date:</b>	<b>Compliance Monitoring Period End Date:</b>
	<u>01/01/2020</u>	<u>02/29/2020</u>

**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](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](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](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.

<b>Sewage Sludge or Biosolids Parameter</b>	<b>Value Qualifier</b>	<b>Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)</b>	<b>If No Data, Select One Of The Following</b>
Arsenic	=	6.3	
Cadmium	=	2.2	

Copper	=	420	
Lead	=	7.09	
Mercury	=	0.65	
Molybdenum	=	14.8	
Nickel	=	25.4	
Selenium	=	5.8	
Zinc	=	2070	

**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	=	65	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.3	
Cadmium	=	2.2	
Copper	=	420	
Lead	=	7.09	
Mercury	=	0.65	
Nickel	=	25.4	
Selenium	=	5.8	
Zinc	=	2070	

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)	=	74200	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date:  
03/01/2020

Compliance Monitoring Period End Date:  
04/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.64	
Cadmium	=	2.1	
Copper	=	364	
Lead	=	7.37	
Mercury	=	0.58	
Molybdenum	=	13.2	
Nickel	=	24.3	
Selenium	=	5.4	
Zinc	=	1750	

**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	=	69	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.64	
Cadmium	=	2.1	
Copper	=	364	
Lead	=	7.37	



Mercury	=	0.58	
Nickel	=	24.3	
Selenium	=	5.4	
Zinc	=	1750	

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)	=	77700	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date:

05/01/2020

Compliance Monitoring Period End Date:

06/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.89	
Cadmium	=	2.7	
Copper	=	273	
Lead	=	5.62	
Mercury	=	0.58	
Molybdenum	=	13.2	
Nickel	=	23.3	
Selenium	=	5.1	
Zinc	=	1260	

#### 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)
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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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.89	
Cadmium	=	2.7	
Copper	=	273	
Lead	=	5.62	
Mercury	=	0.58	
Nickel	=	23.3	
Selenium	=	5.1	
Zinc	=	1260	

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)	=	71100	

**Compliance Monitoring Event No. 4**                      **Compliance Monitoring Period Start Date:** 07/01/2020                      **Compliance Monitoring Period End Date:** 08/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.06	

Cadmium	=	2.5	
Copper	=	386	
Lead	=	6.44	
Mercury	=	1.01	
Molybdenum	=	13.5	
Nickel	=	27.1	
Selenium	=	6.4	
Zinc	=	1540	

**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	=	70	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.06	
Cadmium	=	2.5	
Copper	=	386	
Lead	=	6.44	
Mercury	=	1.01	
Nickel	=	27.1	
Selenium	=	6.4	
Zinc	=	1540	

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)	=	76300	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date:  
09/01/2020

Compliance Monitoring Period End Date:  
10/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.85	
Cadmium	=	2	
Copper	=	352	
Lead	=	6.35	
Mercury	=	0.86	
Molybdenum	=	11.9	
Nickel	=	21.3	
Selenium	=	6.3	
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	=	68	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.85	
Cadmium	=	2	
Copper	=	352	

Copper	=	6.35	
Lead	=	6.35	
Mercury	=	0.86	
Nickel	=	21.3	
Selenium	=	6.3	
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)	=	58500	

**Compliance Monitoring Event No. 6**                      **Compliance Monitoring Period Start Date:** 11/01/2020                      **Compliance Monitoring Period End Date:** 12/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.76	
Cadmium	=	2	
Copper	=	62.2	
Lead	=	6.94	
Mercury	=	0.72	
Molybdenum	=	14.1	
Nickel	=	23.9	
Selenium	=	5.7	
Zinc	=	1510	

**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
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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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.76	
Cadmium	=	2	
Copper	=	62.2	
Lead	=	6.94	
Mercury	=	0.72	
Nickel	=	23.9	
Selenium	=	5.7	
Zinc	=	1510	

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)	=	67100	

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
Lancaster_Annual.pdf	01/25/2021 5:44 PM	80.25 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:** 02/10/2021 11:58 AM

**2020 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
20011400396	1/14/2020	15.2	6.30	2.2	72.0	420	7.09	0.65	14.8	25.4	5.8	2,070
20031100440	3/11/2020	15.9	6.64	2.1	66.3	364	7.37	0.58	13.2	24.3	5.4	1,750
20050600455	5/6/2020	17.2	5.89	2.7	61.7	273	5.62	0.58	13.2	23.3	5.1	1,260
20070800414	7/8/2020	15.6	8.06	2.5	69.8	386	6.44	1.01	13.5	27.1	6.4	1,540
20090200320	9/2/2020	20.9	7.85	2.0	61.9	352	6.35	0.86	11.9	21.3	6.3	1,600
20110400401	11/4/2020	15.7	6.76	2.0	62.2	334	6.94	0.72	14.1	23.9	5.7	1,510
<b>MEAN</b>		<b>16.8</b>	<b>6.92</b>	<b>2.3</b>	<b>65.7</b>	<b>355</b>	<b>6.64</b>	<b>0.73</b>	<b>13.5</b>	<b>24.2</b>	<b>5.8</b>	<b>1,620</b>
<b>MAX</b>			<b>8.06</b>	<b>2.7</b>	<b>72.0</b>	<b>420</b>	<b>7.37</b>	<b>1.0</b>	<b>14.8</b>	<b>27.1</b>	<b>6.4</b>	<b>2,070</b>
<b>TABLE 1 LIMITS</b>		\	<b>75</b>	<b>85</b>	\	<b>4,300</b>	<b>840</b>	<b>57</b>	<b>75</b>	<b>420</b>	<b>100</b>	<b>7,500</b>
<b>TABLE 3 LIMITS</b>		\	<b>41</b>	<b>39</b>	\	<b>1,500</b>	<b>300</b>	<b>17</b>	\	<b>420</b>	<b>100</b>	<b>2,800</b>

Sample No.	Date	Amm-N	Org-N	NO <sub>3</sub> -N	NO <sub>2</sub> -N	PO <sub>4</sub>	K **	TN	TKN
20011400396	1/14/2020	6,700	67,500	< 13.1	3.32	90,100	1,660	74,200	74,200
20031100440	3/11/2020	7,870	69,800	< 12.6	5.86	109,000	1,850	77,700	77,600
20050600334	5/6/2020	7,510	63,600	< 11.6	5.13	108,000	1,420	71,100	71,100
20070800414	7/8/2020	8,180	68,100	< 12.8	6.91	79,800	1,880	76,300	76,200
20090200320	9/2/2020	5,280	53,200	< 9.56	2.05	110,000	1,580	58,500	58,400
20110400401	11/4/2020	6,830	60,300	< 12.7	3.13	113,000	1,590	67,100	67,200
<b>MEAN</b>		<b>7,060</b>	<b>63,800</b>	<b>6.0</b>	<b>4.40</b>	<b>101,700</b>	<b>1,660</b>		
<b>MAX</b>		<b>8,180</b>	<b>69,800</b>	<b>6.6</b>	<b>6.91</b>	<b>113,000</b>	<b>1,880</b>		

\ = No Limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

\* = May Mercury result is found in Lab ID: 20052700334

\*\* = May Potassium result is found in Lab ID: 20052700455



## 2020 BIOSOLIDS MANAGEMENT PROGRAM

### Lancaster WRP Digester Performance

Month	Temp ( °F )	Detention	
		Time (Days)	VSD (%)
January	99	43	65
February	99	41	63
March	99	41	65
April	99	45	69
May	99	40	71
June	99	46	69
July	99	46	70
August	99	52	69
September	99	48	68
October	99	58	62
November	99	65	72
December	98	71	73
<b>MEAN</b>	<b>99</b>	<b>50</b>	<b>68</b>
<b>MIN</b>	<b>98</b>	<b>40</b>	<b>62</b>

**LANCASTER WATER RECLAMATION PLANT**  
**2020 Digester Performance Summary**

		HDT	Temperature	VSD			HDT	Temperature	VSD
		(days)	( degrees F)	(%)			(days)	( degrees F)	(%)
Jan	Dig 4	54	99	68	Jul	Dig 4	53	99	70
	Dig 7	37	99	64		Dig 7	41	99	69
	Dig 8	37	99	63		Dig 8	43	99	72
	<b>Avg</b>	<b>43</b>	<b>99</b>	<b>65</b>		<b>Avg</b>	<b>46</b>	<b>99</b>	<b>70</b>
Feb	Dig 4	46	99	64	Aug	Dig 4	61	99	69
	Dig 7	39	99	63		Dig 7	47	99	68
	Dig 8	39	99	63		Dig 8	48	99	71
	<b>Avg</b>	<b>41</b>	<b>99</b>	<b>63</b>		<b>Avg</b>	<b>52</b>	<b>99</b>	<b>69</b>
Mar	Dig 4	45	99	63	Sep	Dig 4	51	99	66
	Dig 7	38	99	65		Dig 7	43	99	68
	Dig 8	38	99	65		Dig 8	50	99	69
	<b>Avg</b>	<b>41</b>	<b>99</b>	<b>65</b>		<b>Avg</b>	<b>48</b>	<b>99</b>	<b>68</b>
Apr	Dig 4	52	99	65	Oct	Dig 4	65	99	60
	Dig 7	41	99	70		Dig 7	54	99	64
	Dig 8	41	99	70		Dig 8	54	99	61
	<b>Avg</b>	<b>45</b>	<b>99</b>	<b>69</b>		<b>Avg</b>	<b>58</b>	<b>99</b>	<b>62</b>
May	Dig 4	47	99	67	Nov	Dig 4	73	99	70
	Dig 7	37	99	73		Dig 7	61	99	75
	Dig 8	37	99	72		Dig 8	61	99	72
	<b>Avg</b>	<b>40</b>	<b>99</b>	<b>71</b>		<b>Avg</b>	<b>65</b>	<b>99</b>	<b>72</b>
Jun	Dig 4	54	99	67	Dec	Dig 4	90	99	73
	Dig 7	42	99	69		Dig 7	61	98	73
	Dig 8	43	99	71		Dig 8	61	99	73
	<b>Avg</b>	<b>46</b>	<b>99</b>	<b>69</b>		<b>Avg</b>	<b>71</b>	<b>98</b>	<b>73</b>

HDT = Hydraulic Detention Time

VSD = Volatile Solids Destruction

# Long Beach WRP Influent Monitoring

Long Beach Water Reclamation Plant  
2020 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						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	1.06						0.99		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	12.9						6.46		
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. 0.033						ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		

Long Beach Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.16	0.5
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624.1	1	0.21	0.5
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.13	0.5
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1	1	0.08	0.5
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624.1	2	0.21	0.5
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625.1	5	0.51	20 - 40
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.22	0.5
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624.1	1	0.14	0.5
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625.1	1	0.63	20 - 40
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	Calculated	2		
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.25	0.5
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.72 - 1.8	10 - 11
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625.1	10	0.64	20 - 40
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.6	20 - 40
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625.1	2	0.44	20 - 40
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625.1	5	1.5	100 - 200
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1	5	0.37	20 - 40
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1	5	0.50	20 - 40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624.1	1	0.28	0.5
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625.1	10	0.41	20 - 40
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.41	20 - 40
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625.1	5	1.3	100 - 200
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1	10	0.31	20 - 40
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625.1	5	0.54	20 - 40
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625.1	1	0.69	20 - 40
4,4'-DDD	ug/L				ND	ND	ND	EPA 608.3	0.05	0.005	0.1
4,4'-DDE	ug/L				ND	ND	ND	EPA 608.3	0.05	0.004	0.1
4,4'-DDT	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.1
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1	5	0.58	20 - 40
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1	5	0.63	20 - 40
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1	10	1.6	100 - 200
Acenaphthene	ug/L				ND	ND	ND	EPA 625.1	1	0.5	20 - 40
Acenaphthylene	ug/L				ND	ND	ND	EPA 625.1	10	0.5	20 - 40
Acrolein	ug/L				ND	ND	ND	EPA 624.1	5	0.64	2
Acrylonitrile	ug/L				ND	ND	ND	EPA 624.1	2	0.64	2
Aldrin	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.1
Anthracene	ug/L				ND	ND	ND	EPA 625.1	10	0.56	20 - 40
Antimony	ug/L				0.99	1.0	1.06	EPA 200.8	0.5	0.07	0.5
Aroclor 1016	ug/L				ND	ND	ND	EPA 608.3	0.5	0.02	1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	1
Aroclor 1260	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08	1
Arsenic	ug/L				6.46	9.68	12.9	EPA 200.8	2	0.06	1
Benzene	ug/L				ND	ND	ND	EPA 624.1	2	0.09	0.5
Benzidine	ug/L				ND	ND	ND	EPA 625.1	5	0.77	100 - 200
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625.1	5	0.46	20 - 40
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625.1	10	0.54	20 - 40
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625.1	10	0.61	20 - 40
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625.1	5	0.52	20 - 40
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625.1	10	0.53	20 - 40
Beryllium	ug/L				ND	ND	DNQ Est. Conc. 0.033	EPA 200.8	0.5	0.02	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625.1	5	0.28	20 - 40

Long Beach Water Reclamation Plant  
2020 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	336	326	311	304	320	333	300	294	330
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.30						ND		
Bromoform	ug/L	DNQ Est. Conc. 0.28						ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	DNQ Est. Conc. 0.15						0.32		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.31						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	2.4						2.5		
Chromium VI	ug/L	ND						0.09		
Chromium, total	ug/L	3.47						3.58		
Chrysene	ug/L	ND						ND		
Copper	ug/L	76.7			51.9			82.7		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						ND		
Dimethyl 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. 0.43		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	ND						ND		
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	3.23			1.95			2.20		
Mercury	ug/L	0.09						ND		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	0.57						0.62		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	3.87						4.04		
Nitrobenzene	ug/L	ND						ND		
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 490		
PCB-105	pg/L							130		
PCB-110/115	pg/L							440		
PCB-114	pg/L							DNQ Est. Conc. 9.9(1)		
PCB-118	pg/L							310		
PCB-123	pg/L							ND		

Long Beach Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625.1	1	0.27	20 - 40
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625.1	2	0.25	20 - 40
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625.1	5	0.55	20 - 40
BOD5 20°C	mg/L	309	346	361	294	322	361	SM 5210B		0.6	67 - 150
Bromodichloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.30	EPA 624.1	2	0.11	0.5
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.28	EPA 624.1	2	0.18	0.5
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.58	20 - 40
Cadmium	ug/L				DNQ Est. Conc. 0.15	0.16	0.32	EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624.1	2	0.18	0.5
Chlordane	ug/L				ND	ND	ND	EPA 608.3	0.1	0.04	0.5
Chlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.1	0.5
Chlorodibromomethane	ug/L				ND	ND	DNQ Est. Conc. 0.31	EPA 624.1	2	0.11	0.5
Chloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.31	0.5
Chloroform	ug/L				2.4	2.5	2.5	EPA 624.1	2	0.08	0.5
Chromium VI	ug/L				ND	0.05	0.09	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				3.47	3.53	3.58	EPA 200.8	0.5	0.1	0.5
Chrysene	ug/L				ND	ND	ND	EPA 625.1	10	0.41	20 - 40
Copper	ug/L	52.1			51.9	65.9	82.7	EPA 200.8	0.5	0.05	0.5
delta-BHC	ug/L				ND	ND	ND	EPA 608.3	0.005	0.004	0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.59	20 - 40
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.69	20 - 40
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625.1	10	0.58	20 - 40
Dieldrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.0009	0.10
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625.1	2	0.42	20 - 40
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625.1	2	0.41	20 - 40
Endosulfan I	ug/L				ND	ND	ND	EPA 608.3	0.02	0.004	0.1
Endosulfan II	ug/L				ND	ND	ND	EPA 608.3	0.01	0.003	0.1
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608.3	0.05	0.02	0.40
Endrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608.3	0.01	0.006	0.10
Ethylbenzene	ug/L				ND	ND	DNQ Est. Conc. 0.43	EPA 624.1	2	0.15	0.5
Fluoranthene	ug/L				ND	ND	ND	EPA 625.1	1	0.69	20 - 40
Fluorene	ug/L				ND	ND	ND	EPA 625.1	10	0.58	20 - 40
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608.3	0.02	0.002	0.1
Heptachlor	ug/L				ND	ND	ND	EPA 608.3	0.01	0.005	0.1
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608.3	0.01	0.005	0.1
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625.1	1	0.47	20 - 40
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625.1	1	0.96	20 - 40
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625.1	5	2.0	100 - 200
Hexachloroethane	ug/L				ND	ND	ND	EPA 625.1	1	0.81	20 - 40
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625.1	10	0.53	20 - 40
Isophorone	ug/L				ND	ND	ND	EPA 625.1	1	0.28	20 - 40
Lead	ug/L	1.84			1.84	2.31	3.23	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				ND	0.05	0.09	EPA 245.1	0.2	0.012	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624.1	2	0.30	0.5
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624.1	2	0.41	0.5
Methylene chloride	ug/L				0.57	0.60	0.62	EPA 624.1	2	0.46	0.5
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	E625.1/E1625B (Modified)	5	0.0006 - 0.36	0.020 - 40
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	E625.1/E1625B (Modified)	5	0.0005 - 0.50	0.020 - 200
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	E625.1/E1625B (Modified)	1	0.0013 - 0.64	0.10 - 40
Naphthalene	ug/L				ND	ND	ND	EPA 625.1	1	0.20	20 - 40
Nickel	ug/L				3.87	3.96	4.04	EPA 200.8	1	0.07	1
Nitrobenzene	ug/L				ND	ND	ND	EPA 625.1	1	0.31	20 - 40
PCB-101 (Co: 90/101/113)	pg/L				DNQ Est. Conc. 490	ND	DNQ Est. Conc. 490	EPA 1668C		7.4	600
PCB-105	pg/L				130	130	130	EPA 1668C		7	20
PCB-110/115	pg/L				440	440	440	EPA 1668C		6.1	400
PCB-114	pg/L				DNQ Est. Conc. 9.9(1)	ND(1)	DNQ Est. Conc. 9.9(1)	EPA 1668C		7.1	20
PCB-118	pg/L				310	310	310	EPA 1668C		6.5	20
PCB-123	pg/L				ND	ND	ND	EPA 1668C		7.6	20

Long Beach Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-126	pg/L							ND		
PCB-128/166	pg/L							DNQ Est. Conc. 38		
PCB-135/151	pg/L							DNQ Est. Conc. 140		
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 340		
PCB-147/149	pg/L							DNQ Est. Conc. 240(2)		
PCB-153/168	pg/L							DNQ Est. Conc. 300(2)		
PCB-156/157	pg/L							63		
PCB-158	pg/L							DNQ Est. Conc. 28(1)		
PCB-167	pg/L							DNQ Est. Conc. 18		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 90		
PCB-177	pg/L							DNQ Est. Conc. 53		
PCB-18/30	pg/L							DNQ Est. Conc. 69		
PCB-180/193	pg/L							DNQ Est. Conc. 230		
PCB-183	pg/L							DNQ Est. Conc. 79		
PCB-187	pg/L							DNQ Est. Conc. 87(1)		
PCB-189	pg/L							DNQ Est. Conc. 5.3(1)		
PCB-194	pg/L							DNQ Est. Conc. 54		
PCB-20/28	pg/L							DNQ Est. Conc. 190		
PCB-201	pg/L							DNQ Est. Conc. 12		
PCB-206	pg/L							DNQ Est. Conc. 46(1)		
PCB-37	pg/L							DNQ Est. Conc. 57		
PCB-44/47/65	pg/L							DNQ Est. Conc. 300(2)		
PCB-49/69	pg/L							DNQ Est. Conc. 110		
PCB-52	pg/L							370(2)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 440(2)		
PCB-66	pg/L							DNQ Est. Conc. 190		
PCB-77	pg/L							DNQ Est. Conc. 19		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 310		
PCB-99	pg/L							DNQ Est. Conc. 180		
Pentachlorophenol	ug/L	ND						ND		
pH	SU	7.6	7.5	7.5	7.6	7.6	7.7	7.6	7.6	7.5
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	42.5						50.7		
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L	ND						ND		
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L							0.0013		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.28			1.92			1.63		
Silver	ug/L	0.44						0.34		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	5.0						40.1		
Total cyanide	ug/L	DNQ Est. Conc. 1.4						DNQ Est. Conc. 1.66		
Total suspended solids	mg/L	328	280	241	268	305	303	310	307	332
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	DNQ Est. Conc. 0.42						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	168			158			196		



Long Beach Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
PCB-126	pg/L				ND	ND	ND	EPA 1668C		8.9	20
PCB-128/166	pg/L				DNQ Est. Conc. 38	ND	DNQ Est. Conc. 38	EPA 1668C		4.9	400
PCB-135/151	pg/L				DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668C		5.3	400
PCB-138 (Co: 129/138/163)	pg/L				DNQ Est. Conc. 340	ND	DNQ Est. Conc. 340	EPA 1668C		5.3	600
PCB-147/149	pg/L				DNQ Est. Conc. 240(2)	ND(2)	DNQ Est. Conc. 240(2)	EPA 1668C		5.1	400
PCB-153/168	pg/L				DNQ Est. Conc. 300(2)	ND(2)	DNQ Est. Conc. 300(2)	EPA 1668C		4.3	400
PCB-156/157	pg/L				63	63	63	EPA 1668C		10	40
PCB-158	pg/L				DNQ Est. Conc. 28(1)	ND(1)	DNQ Est. Conc. 28(1)	EPA 1668C		3.9	200
PCB-167	pg/L				DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668C		7.8	20
PCB-169	pg/L				ND	ND	ND	EPA 1668C		8.4	20
PCB-170	pg/L				DNQ Est. Conc. 90	ND	DNQ Est. Conc. 90	EPA 1668C		4.5	200
PCB-177	pg/L				DNQ Est. Conc. 53	ND	DNQ Est. Conc. 53	EPA 1668C		3.9	200
PCB-18/30	pg/L				DNQ Est. Conc. 69	ND	DNQ Est. Conc. 69	EPA 1668C		5.4	400
PCB-180/193	pg/L				DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668C		3.4	400
PCB-183	pg/L				DNQ Est. Conc. 79	ND	DNQ Est. Conc. 79	EPA 1668C		3.4	200
PCB-187	pg/L				DNQ Est. Conc. 87(1)	ND(1)	DNQ Est. Conc. 87(1)	EPA 1668C		2.1	200
PCB-189	pg/L				DNQ Est. Conc. 5.3(1)	ND(1)	DNQ Est. Conc. 5.3(1)	EPA 1668C		3.8	20
PCB-194	pg/L				DNQ Est. Conc. 54	ND	DNQ Est. Conc. 54	EPA 1668C		4.6	200
PCB-20/28	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668C		13	400
PCB-201	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668C		3.1	200
PCB-206	pg/L				DNQ Est. Conc. 46(1)	ND(1)	DNQ Est. Conc. 46(1)	EPA 1668C		9.3	200
PCB-37	pg/L				DNQ Est. Conc. 57	ND	DNQ Est. Conc. 57	EPA 1668C		18	200
PCB-44/47/65	pg/L				DNQ Est. Conc. 300(2)	ND(2)	DNQ Est. Conc. 300(2)	EPA 1668C		8.3	600
PCB-49/69	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668C		7.3	400
PCB-52	pg/L				370(2)	370(2)	370(2)	EPA 1668C		8.1	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 440(2)	ND(2)	DNQ Est. Conc. 440(2)	EPA 1668C		5.4	800
PCB-66	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668C		5.2	200
PCB-77	pg/L				DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668C		6.8	20
PCB-81	pg/L				ND	ND	ND	EPA 1668C		6.9	20
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 310	ND	DNQ Est. Conc. 310	EPA 1668C		7.1	1,200
PCB-99	pg/L				DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668C		6.9	200
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.82	20 - 40
pH	SU	7.6	7.5	7.6	7.5	7.6	7.7	SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L				ND	ND	ND	EPA 625.1	5	0.59	20 - 40
Phenol	ug/L				42.5	46.6	50.7	EPA 625.1	1	0.24	20 - 40
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L				ND	ND	ND	Calculated			
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				0.0013	0.0013	0.0013	Calculated			
Pyrene	ug/L				ND	ND	ND	EPA 625.1	10	0.60	20 - 40
Selenium	ug/L	1.13			1.13	1.49	1.92	EPA 200.8	2	0.02	1.00
Silver	ug/L				0.34	0.39	0.44	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624.1	2	0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L				5.0	23	40.1	EPA 624.1	2	0.15	0.50
Total cyanide	ug/L				DNQ Est. Conc. 1.4	ND	DNQ Est. Conc. 1.66	SM 4500 CN E	5	1	5
Total suspended solids	mg/L	328	337	375	241	310	375	SM 2540D		2.5	25 - 83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608.3	0.5	0.3	5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624.1	1	0.06	0.5
Trichloroethene	ug/L				ND	ND	DNQ Est. Conc. 0.42	EPA 624.1	2	0.15	0.5
Vinyl chloride	ug/L				ND	ND	ND	EPA 624.1	2	0.25	0.5
Zinc	ug/L	159			158	170	196	EPA 200.8	1	0.70	1

(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.

**Long Beach WRP Effluent Monitoring**

Long Beach Water Reclamation Plant  
2020 EFF-001 and Reuse 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		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND(1)						DNQ Est. Conc. 7.7(1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND						ND(1)		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND(1)						DNQ Est. Conc. 6.0		
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. 3.2		
1,2,3,6,7,8-HexaCDD	pg/L	ND(1)						DNQ Est. Conc. 3.3(2)		
1,2,3,6,7,8-HexaCDF	pg/L	ND(1)						DNQ Est. Conc. 3.2(2)		
1,2,3,7,8,9-HexaCDD	pg/L	ND(1)						DNQ Est. Conc. 5.2		
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 3.0						DNQ Est. Conc. 3.3(2)		
1,2,3,7,8-PentaCDD	pg/L	ND						ND		
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 1.7(2)						ND		
1,2,3-Trichloropropane	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		
1,4-Dioxane	ug/L	1.4						1.2		
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.9						DNQ Est. Conc. 4.0		
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	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						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	1.73	1.12	1.31	0.748	1.03	1.39	1.79	3.60	0.806
Anthracene	ug/L	ND						ND		
Antimony	ug/L	0.58			DNQ Est. Conc. 0.46			0.54		
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	2.94			3.13			2.41		
Barium	ug/L	55.7			72.2			52.3		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		

Long Beach Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624.1	2	0.16	0.5
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624.1	1	0.21	0.5
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624.1	2	0.13	0.5
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624.1	1	0.08	0.5
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624.1	2	0.21	0.5
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND(1)	ND	DNQ Est. Conc. 7.7(1)			EPA 1613B		0.22 - 0.49	50 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.49 - 0.69	50 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND(1)	ND	DNQ Est. Conc. 6.0			EPA 1613B		0.48 - 0.72	50 - 54
1,2,3,4,7,8-HexaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.34 - 0.38	50 - 54
1,2,3,4,7,8-HexaCDF	pg/L				ND(1)	ND	DNQ Est. Conc. 3.2			EPA 1613B		0.26 - 0.34	50 - 54
1,2,3,6,7,8-HexaCDD	pg/L				ND(1)	ND	DNQ Est. Conc. 3.3(2)			EPA 1613B		0.35 - 0.4	50 - 54
1,2,3,6,7,8-HexaCDF	pg/L				ND(1)	ND	DNQ Est. Conc. 3.2(2)			EPA 1613B		0.24 - 0.35	50 - 54
1,2,3,7,8,9-HexaCDD	pg/L				ND(1)	ND	DNQ Est. Conc. 5.2			EPA 1613B		0.32 - 0.37	50 - 54
1,2,3,7,8,9-HexaCDF	pg/L				DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.3(2)			EPA 1613B		0.23 - 0.33	50 - 54
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		0.82 - 0.95	50 - 54
1,2,3,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.7(2)			EPA 1613B		0.4 - 0.42	50 - 54
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.005
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625.1	5	0.51	1
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.15	0.5
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624.1	2	0.22	0.5
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624.1	1	0.14	0.5
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625.1	1	0.63	1
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.15	0.5
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			Calculated	2		
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.25	0.5
1,4-Dioxane	ug/L				1.2	1.3	1.4			SW846/8270MOD 1,4-Dioxane		0.19 - 0.26	0.4
2,3,4,6,7,8-HexaCDF	pg/L				DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 4.0			EPA 1613B		0.22 - 0.31	50 - 54
2,3,4,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.37 - 0.46	50 - 54
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		1.2 - 1.8	10 - 11
2,3,7,8-TetraCDF	pg/L				ND	ND	ND			EPA 1613B		0.38 - 0.64	10 - 11
2,4,6-Trichlorophenol	ug/L				ND	ND	ND			EPA 625.1	10	0.64	1
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625.1	5	0.6	1
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625.1	2	0.44	1
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625.1	5	1.5	5
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1	5	0.37	1
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1	5	0.50	1
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624.1	1	0.28	0.5
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625.1	10	0.41	1
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625.1	5	0.41	1
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625.1	5	1.3	5
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1	10	0.31	1
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625.1	5	0.54	1
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625.1	1	0.69	1
4,4'-DDD	ug/L				ND	ND	ND			EPA 608.3	0.05	0.005	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608.3	0.05	0.004	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1	5	0.58	1
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1	5	0.63	1
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1	10	1.6	5
Acenaphthene	ug/L				ND	ND	ND			EPA 625.1	1	0.50	1
Acenaphthylene	ug/L				ND	ND	ND			EPA 625.1	10	0.50	1
Acrolein	ug/L				ND	ND	ND			EPA 624.1	5	0.64	2
Acrylonitrile	ug/L				ND	ND	ND			EPA 624.1	2	0.64	2
Aldrin	ug/L				ND	ND	ND			EPA 608.3	0.005	0.003	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	1.05	1.34	1.84	0.748	1.48	3.60	7.9	4.1	SM 4500 NH3 G		0.020 - 0.050	0.1 - 0.5
Anthracene	ug/L				ND	ND	ND			EPA 625.1	10	0.56	1
Antimony	ug/L	0.61			DNQ Est. Conc. 0.46	0.43	0.61			EPA 200.8	0.5	0.07	0.5
Aroclor 1016	ug/L				ND	ND	ND			EPA 608.3	0.5	0.02	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.1
Aroclor 1260	ug/L				ND	ND	ND			EPA 608.3	0.5	0.08	0.1
Arsenic	ug/L	2.65			2.41	2.78	3.13			EPA 200.8	2	0.06	1
Barium	ug/L	47.8			47.8	57.0	72.2			EPA 200.8		0.24	0.50
Benzene	ug/L				ND	ND	ND			EPA 624.1	2	0.09	0.5
Benzidine	ug/L				ND	ND	ND			EPA 625.1	5	0.77	5
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625.1	5	0.46	1

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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								
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	ug/L	ND			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	ND								
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.34	0.34	0.34	0.32	0.36	0.33	0.33	0.34	0.31
Bromodichloromethane	ug/L	3.4								
Bromoform	ug/L	DNQ Est. Conc. 0.20								
Butyl benzyl phthalate	ug/L	ND								
Cadmium	ug/L	ND			ND					
Carbon tetrachloride	ug/L	ND								
Chlordane	ug/L	ND								
Chloride	mg/L	139	152	149	148	152	138	135	139	140
Chlorobenzene	ug/L	ND								
Chlorodibromomethane	ug/L	0.76						DNQ Est. Conc. 0.41		
Chloroethane	ug/L	ND								
Chloroform	ug/L	8.1								
Chromium III	ug/L	ND			ND			1.29		
Chromium VI	ug/L	DNQ Est. Conc. 0.01			ND					
Chromium, total (24-hr composite)	ug/L	DNQ Est. Conc. 0.30			DNQ Est. Conc. 0.30			DNQ Est. Conc. 0.38		
Chromium, total (Grab)	ug/L	DNQ Est. Conc. 0.43			DNQ Est. Conc. 0.32			1.29		
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	1.74	1.34	1.4	1.42	1.93	1.02	1.52	0.78	0.89
delta-BHC	ug/L	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	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ug/L	ND								
Diethyl phthalate	ug/L	ND						DNQ Est. Conc. 0.57		
Dimethyl phthalate	ug/L	ND								
Dissolved oxygen	mg/L	6.2	6.0	6.9	7.5	6.8	6.4	5.8	6.7	6.8
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	ug/L	ND								
Endosulfan II	ug/L	ND								
Endosulfan sulfate	ug/L	ND								
Endrin	ug/L	ND								
Endrin aldehyde	ug/L	ND								
Ethylbenzene	ug/L	ND								
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND								
Fluorene	ug/L	ND								
Fluoride	mg/L	0.604			0.661			0.605		
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.002								
Gross alpha radioactivity	pCi/L	3.03			4.7			3.45		
Gross beta radioactivity	pCi/L	11.4			13.4			14.1		
Heptachlor	ug/L	ND								
Heptachlor epoxide	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	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ug/L	ND								
Lead	ug/L	DNQ Est. Conc. 0.09	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03
Mercury	ug/L	0.0011			0.0012			0.0016		
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								
n-Nitrosodi-n-propylamine	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodimethylamine (NDMA)	ug/L	0.064	0.09	0.091	0.079	0.045	0.06	0.038	0.038	0.045
n-Nitrosodiphenylamine	ug/L	DNQ Est. Conc. 0.019	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ug/L	ND								

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Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610		0.013	0.02
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610		0.015	0.02
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625.1	5	0.52	1
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610		0.014	0.02
Beryllium	ug/L	ND			ND	ND	ND			EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608.3	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625.1	5	0.28	1
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625.1	1	0.27	1
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625.1	2	0.25	1
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625.1	5	0.55	1
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.34	0.33	0.34	0.31	0.34	0.36			EPA 200.8		0.017	0.02
Bromodichloromethane	ug/L				2.1	2.8	3.4			EPA 624.1	2	0.11	0.5
Bromoforn	ug/L				ND	ND	DNQ Est. Conc. 0.20			EPA 624.1	2	0.18	0.5
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625.1	10	0.58	1
Cadmium	ug/L	ND			ND	ND	ND			EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624.1	2	0.18	0.5
Chlordane	ug/L				ND	ND	ND			EPA 608.3	0.1	0.04	0.05
Chloride	mg/L	140	138	141	135	143	152			EPA 300.0		0.120 - 0.140	4 - 10
Chlorobenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.10	0.5
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.41	0.38	0.76			EPA 624.1	2	0.11	0.5
Chloroethane	ug/L				ND	ND	ND			EPA 624.1	2	0.31	0.5
Chloroform	ug/L				7.2	7.7	8.1			EPA 624.1	2	0.08	0.5
Chromium III	ug/L	ND			ND	0.32	1.29			Calculated			
Chromium VI	ug/L	ND			ND	ND	DNQ Est. Conc. 0.01			EPA 218.6 (Dissolved)		0.01 - 0.025	0.05
Chromium, total (24-hr composite)	ug/L	DNQ Est. Conc. 0.24			DNQ Est. Conc. 0.24	ND	DNQ Est. Conc. 0.38			EPA 200.8	0.5	0.10	0.50
Chromium, total (Grab)	ug/L	DNQ Est. Conc. 0.44			DNQ Est. Conc. 0.32	0.32	1.29			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610		0.014	0.02
Copper	ug/L	1.25	1.07	0.83	0.78	1.26	1.93	20(3)27(4)	18(3)	EPA 200.8	0.5	0.05	0.5
delta-BHC	ug/L				ND	ND	ND			EPA 608.3	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625.1	10	0.59	1
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625.1	10	0.69	1
Diazinon	ug/L				ND	ND	ND			SW-846 8141A		0.004 - 0.010	0.05
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610		0.014	0.02
Dieldrin	ug/L				ND	ND	ND			EPA 608.3	0.01	0.0009	0.01
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 0.57			EPA 625.1	2	0.42	1
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625.1	2	0.41	1
Dissolved oxygen	mg/L	7.0	6.3	5.6	5.6	6.5	7.5			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 608.3	0.02	0.004	0.01
Endosulfan II	ug/L				ND	ND	ND			EPA 608.3	0.01	0.003	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608.3	0.05	0.02	0.04
Endrin	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608.3	0.01	0.006	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.15	0.5
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L				ND	ND	ND			EPA 625.1	1	0.69	1
Fluorene	ug/L				ND	ND	ND			EPA 625.1	10	0.58	1
Fluoride	mg/L	0.574			0.574	0.611	0.661			SM 4500 F C		0.016 - 0.049	0.1
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.002			EPA 608.3	0.02	0.002	0.01
Gross alpha radioactivity	pCi/L	2.89			2.89	3.52	4.70			EPA 900.0		3.01 - 3.97	3
Gross beta radioactivity	pCi/L	10.8			10.8	12.4	14.1			EPA 900.0		1.59 - 2.03	4
Heptachlor	ug/L				ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625.1	1	0.47	1
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625.1	1	0.96	1
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625.1	5	2	5
Hexachloroethane	ug/L				ND	ND	ND			EPA 625.1	1	0.81	1
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610		0.013	0.02
Isophorone	ug/L				ND	ND	ND			EPA 625.1	1	0.28	1
Lead	ug/L	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	ND	DNQ Est. Conc. 0.09	106(4)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0027			0.0011	0.0017	0.0027			EPA 1631E		0.000047	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624.1	2	0.30	0.5
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624.1	2	0.41	0.5
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624.1		0.08	0.5
Methylene chloride	ug/L				ND	ND	ND			EPA 624.1	2	0.46	0.5
n-Nitrosodi-n-propylamine	ug/L	ND	ND	ND	ND	ND	ND			EPA 1625B (Modified)	5	0.0006	0.01
n-Nitrosodimethylamine (NDMA)	ug/L	0.044	0.023	0.020	0.020	0.053	0.091			EPA 1625B (Modified)	5	0.0005	0.01
n-Nitrosodiphenylamine	ug/L	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.019			EPA 1625B (Modified)	1	0.0013	0.05
Naphthalene	ug/L				ND	ND	ND			EPA 625.1	1	0.20	1

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Parameter	Units	January	February	March	April	May	June	July	August	September
Nickel	ug/L	1.15			1.07			1.17		
Nitrate + nitrite as nitrogen	mg/L	5.30	5.52	5.71	7.93	7.00	7.61	7.39	7.39	7.18
Nitrate as nitrogen	mg/L	4.83	5.36	5.53	7.72	6.81	7.20	7.01	6.69	7.12
Nitrite as nitrogen	mg/L	0.469	0.161	0.181	0.213	0.188	0.408	0.382	0.701	0.061
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	ND(1)						DNQ Est. Conc. 18(1)		
OctaCDF	pg/L	ND(1)						DNQ Est. Conc. 12(2)		
Oil and grease	mg/L	ND	ND		ND	ND	ND	ND	DNQ Est. Conc. 2.3	DNQ Est. Conc. 2.5
Organic nitrogen	mg/L	1.5	1.48	0.775	0.522	0.972	ND	ND	0.98	0.936
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 12(2)		
PCB-105	pg/L							ND		
PCB-110/115	pg/L							DNQ Est. Conc. 13		
PCB-114	pg/L							ND		
PCB-118	pg/L							DNQ Est. Conc. 7.7(2)		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-128/166	pg/L							ND		
PCB-135/151	pg/L							ND		
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 5.7(2)		
PCB-147/149	pg/L							ND(1)		
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. 9.9(2)		
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. 16(2)		
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. 4.6		
PCB-52	pg/L							ND(1)		
PCB-61/70/74/76	pg/L							ND(1)		
PCB-66	pg/L							DNQ Est. Conc. 5.0		
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							ND		
PCB-99	pg/L							DNQ Est. Conc. 3.7(2)		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.33						0.34		
pH	SU	7.4	7.4	7.4	7.5	7.4	7.4	7.4	7.4	7.5
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	ND						DNQ Est. Conc. 0.64		
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	0.586			0.37			0.18		
Selenium	ug/L	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.40	DNQ Est. Conc. 0.64	DNQ Est. Conc. 0.80	DNQ Est. Conc. 0.49	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.37	DNQ Est. Conc. 0.28	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	-0.0101			0.414			0.245		
Sulfate	mg/L	92.6	128	154	177	177	113	94.0	94.2	97.0
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	0.13	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.03
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND			ND			ND		
Temperature	Degrees F	74.0	74.1	74.5	75.6	79.2	80.6	82.4	84.2	83.2
Toluene	ug/L	0.85						ND		
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	ND			DNQ Est. Conc. 1.8			ND		
Total dissolved solids	mg/L	628	682	744	788	754	687	653	668	625
Total hardness (CaCO3)	mg/L	182	199	255	240	198	193	210	193	193
Total Kjeldahl Nitrogen (TKN)	mg/L	3.22	2.6	2.08	1.27	2	1.44	1.88	4.58	1.74
Total nitrogen	mg/L	8.52	8.12	7.80	9.73	9.00	9.79	9.27	12.0	8.92

Long Beach Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Nickel	ug/L	1.23			1.07	1.16	1.23			EPA 200.8	1	0.07	1
Nitrate + nitrite as nitrogen	mg/L	6.88	7.20	7.26	5.30	6.86	7.93		8	Calculated			
Nitrate as nitrogen	mg/L	6.82	7.11	6.88	4.83	6.59	7.72			SM 4500 NO3 F		0.03 - 0.093	0.2
Nitrite as nitrogen	mg/L	0.055	0.092	0.380	0.055	0.27	0.701		1	SM 4500 NO3 F		0.003 - 0.012	0.03
Nitrobenzene	ug/L				ND	ND	ND			EPA 625.1	1	0.31	1
OctaCDD	pg/L				ND(1)	ND	DNQ Est. Conc. 18(1)			EPA 1613B		0.30 - 0.33	100 - 110
OctaCDF	pg/L				ND(1)	ND	DNQ Est. Conc. 12(2)			EPA 1613B		0.49 - 1.1	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	DNQ Est. Conc. 2.5	15	10	EPA 1664A		1.4	4.5 - 5.9
Organic nitrogen	mg/L	1.26	0.72	0.638	ND	0.815	1.50			Calculated			
PCB-101 (Co: 90/101/113)	pg/L				DNQ Est. Conc. 12(2)	ND(2)	DNQ Est. Conc. 12(2)			EPA 1668C		1.8	600
PCB-105	pg/L				ND	ND	ND			EPA 1668C		1.6	20
PCB-110/115	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668C		1.5	400
PCB-114	pg/L				ND	ND	ND			EPA 1668C		1.7	20
PCB-118	pg/L				DNQ Est. Conc. 7.7(2)	ND(2)	DNQ Est. Conc. 7.7(2)			EPA 1668C		1.6	20
PCB-123	pg/L				ND	ND	ND			EPA 1668C		1.8	20
PCB-126	pg/L				ND	ND	ND			EPA 1668C		2.1	20
PCB-128/166	pg/L				ND	ND	ND			EPA 1668C		1.3	400
PCB-135/151	pg/L				ND	ND	ND			EPA 1668C		1.4	400
PCB-138 (Co: 129/138/163)	pg/L				DNQ Est. Conc. 5.7(2)	ND(2)	DNQ Est. Conc. 5.7(2)			EPA 1668C		1.4	600
PCB-147/149	pg/L				ND(1)	ND(1)	ND(1)			EPA 1668C		1.4	400
PCB-153/168	pg/L				ND(1)	ND(1)	ND(1)			EPA 1668C		1.2	400
PCB-156/157	pg/L				ND	ND	ND			EPA 1668C		1.8	40
PCB-158	pg/L				ND	ND	ND			EPA 1668C		1	200
PCB-167	pg/L				ND	ND	ND			EPA 1668C		1.2	20
PCB-169	pg/L				ND	ND	ND			EPA 1668C		1.4	20
PCB-170	pg/L				ND	ND	ND			EPA 1668C		1.8	200
PCB-177	pg/L				ND	ND	ND			EPA 1668C		1.6	200
PCB-18/30	pg/L				DNQ Est. Conc. 9.9(2)	ND(2)	DNQ Est. Conc. 9.9(2)			EPA 1668C		3.7	400
PCB-180/193	pg/L				ND	ND	ND			EPA 1668C		1.4	400
PCB-183	pg/L				ND	ND	ND			EPA 1668C		1.4	200
PCB-187	pg/L				ND	ND	ND			EPA 1668C		1.2	200
PCB-189	pg/L				ND	ND	ND			EPA 1668C		2	20
PCB-194	pg/L				ND	ND	ND			EPA 1668C		2.1	200
PCB-20/28	pg/L				DNQ Est. Conc. 16(2)	ND(2)	DNQ Est. Conc. 16(2)			EPA 1668C		4.1	400
PCB-201	pg/L				ND	ND	ND			EPA 1668C		1.5	200
PCB-206	pg/L				ND	ND	ND			EPA 1668C		3.6	200
PCB-37	pg/L				ND	ND	ND			EPA 1668C		4.3	200
PCB-44/47/65	pg/L				ND(1)	ND(1)	ND(1)			EPA 1668C		2	600
PCB-49/69	pg/L				DNQ Est. Conc. 4.6	ND	DNQ Est. Conc. 4.6			EPA 1668C		1.7	400
PCB-52	pg/L				ND(1)	ND(1)	ND(1)			EPA 1668C		1.9	200
PCB-61/70/74/76	pg/L				ND(1)	ND(1)	ND(1)			EPA 1668C		1.6	800
PCB-66	pg/L				DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0			EPA 1668C		1.5	200
PCB-77	pg/L				ND	ND	ND			EPA 1668C		2	20
PCB-81	pg/L				ND	ND	ND			EPA 1668C		2.1	20
PCB-86/87/97/108/119/125	pg/L				ND	ND	ND			EPA 1668C		1.7	1200
PCB-99	pg/L				DNQ Est. Conc. 3.7(2)	ND(2)	DNQ Est. Conc. 3.7(2)			EPA 1668C		1.7	200
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625.1	5	0.82	1
Perchlorate	ug/L				0.33	0.34	0.34			EPA 331.0		0.0201	0.05
pH	SU	7.5	7.4	7.5	7.4	7.4	7.5			SM 4500 H+ B		1	1
Phenanthrene	ug/L				ND	ND	ND			EPA 625.1	5	0.59	1
Phenol	ug/L				ND	ND	DNQ Est. Conc. 0.64			EPA 625.1	1	0.24	1
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L				ND	ND	ND			Calculated			
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				ND	ND	ND			Calculated			
Pyrene	ug/L				ND	ND	ND			EPA 625.1	10	0.60	1
Radium-226 + radium-228	pCi/L	0.044			0.044	0.30	0.586			Drinking H2O Rad. Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.80	7.5	4.3	EPA 200.8	2	0.02	1
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	0.2
Strontium-90	pCi/L	0.212			-0.0101	0.215	0.414			EPA 905.0		0.353 - 0.522	3
Sulfate	mg/L	98.8	88.5	94.5	88.5	117	177			EPA 300.0		0.110 - 0.14	1 - 2.5
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	0.011	0.13			SM 5540D		0.06 - 0.10	0.1
Surfactant (MBAS)	mg/L	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.05	ND	ND	DNQ Est. Conc. 0.06			SM 5540C		0.017 - 0.03	0.1
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624.1	2	0.18	0.5
Thallium	ug/L	ND			ND	ND	ND			EPA 200.8	1	0.010	0.25
Temperature	Degrees F	82	78.3	75.3	74.0	78.6	84.2	86(5)					
Toluene	ug/L				ND	0.43	0.85			EPA 624.1	2	0.15	0.5
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND	ND	ND			Calculated			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(6)	(6)	SM 9222B			1
Total cyanide	ug/L	DNQ Est. Conc. 2.23			ND	ND	DNQ Est. Conc. 2.23			SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	644	904	573	573	696	904			SM 2540C		2.7	50-167
Total hardness (CaCO3)	mg/L	207	180	187	180	203	255			Calculated			
Total Kjeldahl Nitrogen (TKN)	mg/L	2.31	2.06	2.48	1.27	2.30	4.58			EPA 351.2		0.120 - 0.170	0.2 - 0.5
Total nitrogen	mg/L	9.19	9.26	9.74	7.80	9.28	12.0			Total Nitrogen Calculation			0.2



Long Beach Water Reclamation Plant  
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Parameter	Units	January	February	March	April	May	June	July	August	September
Total phosphorus	mg/L	0.200	0.375	0.450	1.37	0.561	0.302	0.264	1.47	0.318
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	-103			17.1			-132		
Turbidity (flow proportioned avg daily value)	NTU	0.84	0.62	0.70	0.76	0.72	0.80	0.88	0.80	0.66
Uranium	pCi/L	1.59			2.32			1.63		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	42.8	34.7	38.8	32.7	33.8	30.5	23.8	30.2	31.6

Long Beach Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Total phosphorus	mg/L	0.204	0.271	0.215	0.200	0.500	1.47			EPA 365.1		0.014 - 0.026	0.03
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.01 - 0.03	0.1
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 608.3	0.5	0.3	0.5
Toxic equivalence	pg/L				ND	ND	ND			Calculated			
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624.1	1	0.06	0.5
Trichloroethene	ug/L				ND	ND	ND			EPA 624.1	2	0.15	0.5
Tritium	pCi/L	490			-132	68.0	490			EPA 906.0		310 - 319	500
Turbidity (flow proportioned avg daily value)	NTU	0.68	0.63	0.77	0.62	0.74	0.88	2		SM 2130B		0.08 - 0.12	0.5
Uranium	pCi/L	1.75			1.59	1.82	2.32			EPA 908.0		0.111 - 0.251	1
Vinyl chloride	ug/L				ND	ND	ND			EPA 624.1	2	0.25	0.5
Zinc	ug/L	28.5	24.2	20.8	20.8	31.0	42.8	156(4)		EPA 200.8	1	0.70	1

(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) Dry weather effluent limit.

(4) Wet 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.

# Los Coyotes WRP Influent Monitoring

Los Coyotes Water Reclamation Plant  
2020 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						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	3.32						6.77		
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	2.52						3.66		
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		

Los Coyotes Water Reclamation Plant  
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Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.16	0.5
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624.1	1	0.21	0.5
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.13	0.5
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1	1	0.08	0.5
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624.1	2	0.21	0.5
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625.1	5	0.51	20
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.22	0.5
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624.1	1	0.14	0.5
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625.1	1	0.63	20
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	Calculated			
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.25	0.5
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.86 - 1.6	11
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625.1	10	0.64	20
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.6	20
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625.1	2	0.44	20
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625.1	5	1.51	100
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1	5	0.37	20
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1	5	0.5	20
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624.1	1	0.28	0.5
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625.1	10	0.41	20
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.41	20
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625.1	5	1.3	100
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1	10	0.31	20
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625.1	5	0.54	20
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625.1	1	0.69	20
4,4'-DDD	ug/L				ND	ND	ND	EPA 608.3	0.05	0.005	0.1
4,4'-DDE	ug/L				ND	ND	ND	EPA 608.3	0.05	0.004	0.1
4,4'-DDT	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.1
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1	5	0.58	20
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1	5	0.63	20
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1	10	1.6	100
Acenaphthene	ug/L				ND	ND	ND	EPA 625.1	1	0.5	20
Acenaphthylene	ug/L				ND	ND	ND	EPA 625.1	10	0.5	20
Acrolein	ug/L				ND	ND	ND	EPA 624.1		0.64	2
Acrylonitrile	ug/L				ND	ND	ND	EPA 624.1		0.64	2
Aldrin	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.1
Anthracene	ug/L				ND	ND	ND	EPA 625.1		0.56	20
Antimony	ug/L				3.32	5.05	6.77	EPA 200.8	0.5	0.07	0.5
Aroclor 1016	ug/L				ND	ND	ND	EPA 608.3	0.5	0.018	1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608.3	0.5	0.076	5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608.3	0.5	0.076	3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608.3	0.5	0.076	1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608.3	0.5	0.076	1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608.3	0.5	0.076	1
Aroclor 1260	ug/L				ND	ND	ND	EPA 608.3	0.5	0.076	1
Arsenic	ug/L				2.52	3.09	3.66	EPA 200.8	2	0.06	1
Benzene	ug/L				ND	ND	ND	EPA 624.1	2	0.09	0.5
Benzidine	ug/L				ND	ND	ND	EPA 625.1	2	0.77	100
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625.1	5	0.46	20
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625.1	5	0.54	20
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625.1	10	0.61	20
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625.1	10	0.52	20
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625.1	5	0.53	20
Beryllium	ug/L				ND	ND	ND	EPA 200.8	10	0.02	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05

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Parameter	Units	January	February	March	April	May	June	July	August	September
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	356	377	336	294	343	331	310	315	333
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.38						DNQ Est. Conc. 0.18		
Bromoform	ug/L	DNQ Est. Conc. 0.33						ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	0.33						0.42		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.29						DNQ Est. Conc. 0.18		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	12.2						16.2		
Chromium VI	ug/L	DNQ Est. Conc. 0.02						DNQ Est. Conc. 0.01		
Chromium, total	ug/L	6.34						7.18		
Chrysene	ug/L	ND						ND		
Copper	ug/L	0.08			0.06			0.18		
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 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	DNQ Est. Conc. 0.43						1.4		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	ND						ND		
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	1.73						3.82		
Mercury	ug/L	0.07						0.19		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	1.1						ND		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						22.5		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	7.31						8.63		
Nitrobenzene	ug/L	ND						ND		
PCB-101 (Co: 90/101/113)	pg/L							910		
PCB-105	pg/L							250		
PCB-114	pg/L							23		
PCB-118	pg/L							570		

Los Coyotes Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625.1	5	0.28	20
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625.1	1	0.27	20
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625.1	2	0.25	20
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625.1	5	0.55	20
BOD5 20°C	mg/L	298	366	382	294	336	382	SM 5210B		0.6	120
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.38	EPA 624.1	2	0.11	0.5
Bromoforn	ug/L				ND	ND	DNQ Est. Conc. 0.33	EPA 624.1	2	0.18	0.5
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.58	20
Cadmium	ug/L				0.33	0.38	0.42	EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624.1	2	0.18	0.5
Chlordane	ug/L				ND	ND	ND	EPA 608.3	0.1	0.039	0.5
Chlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.1	0.5
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.29	EPA 624.1	2	0.11	0.5
Chloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.31	0.5
Chloroform	ug/L				12.2	14.2	16.2	EPA 624.1	2	0.08	0.5
Chromium VI	ug/L				DNQ Est. Conc. 0.01	ND	DNQ Est. Conc. 0.02	EPA 218.6 (Dissolved)		0.014	0.05
Chromium, total	ug/L				6.34	6.76	7.18	EPA 200.8	0.5	0.1	0.5
Chrysene	ug/L				ND	ND	ND	EPA 625.1	10	0.41	20
Copper	ug/L	2.42			0.06	0.7	2.42	EPA 200.8	0.5	0.00005 - 0.05	0 - 0.5
delta-BHC	ug/L				ND	ND	ND	EPA 608.3	0.005	0.004	0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.59	20
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.69	20
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625.1	10	0.58	20
Dieldrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.1
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625.1	2	0.42	20
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625.1	2	0.41	20
Endosulfan I	ug/L				ND	ND	ND	EPA 608.3	0.02	0.004	0.1
Endosulfan II	ug/L				ND	ND	ND	EPA 608.3	0.01	0.003	0.1
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608.3	0.05	0.018	0.4
Endrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.1
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608.3	0.01	0.006	0.1
Ethylbenzene	ug/L				DNQ Est. Conc. 0.43	0.7	1.4	EPA 624.1	2	0.15	0.5
Fluoranthene	ug/L				ND	ND	ND	EPA 625.1	1	0.69	20
Fluorene	ug/L				ND	ND	ND	EPA 625.1	10	0.58	20
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608.3	0.02	0.002	0.1
Heptachlor	ug/L				ND	ND	ND	EPA 608.3	0.01	0.005	0.1
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608.3	0.01	0.005	0.1
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625.1	1	0.47	20
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625.1	1	0.96	20
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625.1	5	2.01	100
Hexachloroethane	ug/L				ND	ND	ND	EPA 625.1	1	0.81	20
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625.1	10	0.53	20
Isophorone	ug/L				ND	ND	ND	EPA 625.1	1	0.28	20
Lead	ug/L				1.73	2.78	3.82	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.07	0.1	0.19	EPA 245.1	0.5	0.012	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624.1	2	0.3	0.5
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624.1	2	0.41	0.5
Methylene chloride	ug/L				ND	0.55	1.1	EPA 624.1	2	0.46	0.5
n-Nitrosodi-n-propylamine	ug/L	ND			ND	ND	ND	EPA 625.1	5	0.00063 - 0.36	0.02 - 20
n-Nitrosodimethylamine (NDMA)	ug/L	33.2			ND	18.5	33.2	EPA 625.1	5	0.00052 - 0.5	0.02 - 100
n-Nitrosodiphenylamine	ug/L	ND			ND	ND	ND	EPA 625.1	1	0.00132 - 0.64	0.1 - 20
Naphthalene	ug/L				ND	ND	ND	EPA 625.1	1	0.2	20
Nickel	ug/L				7.31	7.97	8.63	EPA 200.8	1	0.07	1
Nitrobenzene	ug/L				ND	ND	ND	EPA 625.1	1	0.31	20
PCB-101 (Co: 90/101/113)	pg/L				910	910	910	EPA 1668C		18	610
PCB-105	pg/L				250	250	250	EPA 1668C		14	20
PCB-114	pg/L				23	23	23	EPA 1668C		15	20
PCB-118	pg/L				570	570	570	EPA 1668C		14	20

Los Coyotes Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-138 (Co: 129/138/163)	pg/L							660(1)		
PCB-158	pg/L							DNQ Est. Conc. 60		
PCB-167	pg/L							30		
PCB-169	pg/L							ND		
PCB-170	pg/L							360		
PCB-177	pg/L							DNQ Est. Conc. 180		
PCB-183	pg/L							200		
PCB-187	pg/L							240		
PCB-189	pg/L							ND		
PCB-194	pg/L							420		
PCB-201	pg/L							DNQ Est. Conc. 31		
PCB-206	pg/L							1100		
PCB-37	pg/L							260		
PCB-52	pg/L							1000		
PCB-61/70/74/76	pg/L							1100		
PCB-66	pg/L							540		
PCB-77	pg/L							55		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 610		
PCB-99	pg/L							350		
PCB-110/115	pg/L							930		
PCB-128/166	pg/L							DNQ Est. Conc. 74		
PCB-135/151	pg/L							DNQ Est. Conc. 250		
PCB-147/149	pg/L							500		
PCB-153/168	pg/L							560		
PCB-156/157	pg/L							100		
PCB-18/30	pg/L							560		
PCB-180/193	pg/L							790		
PCB-20/28	pg/L							1100		
PCB-44/47/65	pg/L							930(1)		
PCB-49/69	pg/L							440		
Pentachlorophenol	ug/L	ND						ND		
pH	SU	7.1	7.1	7.2	7.7	7.4	7.5	7.6	7.5	7.6
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	41.1						58.3		
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L							14000		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.88						2.63		
Silver	ug/L	0.91						0.62		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	1.2						1.2		
Total cyanide	ug/L	ND						DNQ Est. Conc. 2.07		
Total suspended solids	mg/L	348	339	341	402	405	333	286	281	387
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	196						293		



Los Coyotes Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
PCB-123	pg/L				ND	ND	ND	EPA 1668C		16	20
PCB-126	pg/L				ND	ND	ND	EPA 1668C		18	20
PCB-138 (Co: 129/138/163)	pg/L				660(1)	660(1)	660(1)	EPA 1668C		9.5	610
PCB-158	pg/L				DNQ Est. Conc. 60	ND	DNQ Est. Conc. 60	EPA 1668C		7.1	200
PCB-167	pg/L				30	30	30	EPA 1668C		12	20
PCB-169	pg/L				ND	ND	ND	EPA 1668C		14	20
PCB-170	pg/L				360	360	360	EPA 1668C		11	200
PCB-177	pg/L				DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668C		9.3	200
PCB-183	pg/L				200	200	200	EPA 1668C		8	200
PCB-187	pg/L				240	240	240	EPA 1668C		5.4	200
PCB-189	pg/L				ND	ND	ND	EPA 1668C		4.6	20
PCB-194	pg/L				420	420	420	EPA 1668C		5.9	200
PCB-201	pg/L				DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31	EPA 1668C		5.8	200
PCB-206	pg/L				1100	1100	1100	EPA 1668C		8.8	200
PCB-37	pg/L				260	260	260	EPA 1668C		33	200
PCB-52	pg/L				1000	1000	1000	EPA 1668C		27	200
PCB-61/70/74/76	pg/L				1100	1100	1100	EPA 1668C		12	810
PCB-66	pg/L				540	540	540	EPA 1668C		11	200
PCB-77	pg/L				55	55	55	EPA 1668C		13	20
PCB-81	pg/L				ND	ND	ND	EPA 1668C		13	20
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 610	ND	DNQ Est. Conc. 610	EPA 1668C		17	1,200
PCB-99	pg/L				350	350	350	EPA 1668C		17	200
PCB-110/115	pg/L				930	930	930	EPA 1668C		15	410
PCB-128/166	pg/L				DNQ Est. Conc. 74	ND	DNQ Est. Conc. 74	EPA 1668C		8.9	410
PCB-135/151	pg/L				DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668C		9.7	410
PCB-147/149	pg/L				500	500	500	EPA 1668C		9.3	410
PCB-153/168	pg/L				560	560	560	EPA 1668C		7.8	410
PCB-156/157	pg/L				100	100	100	EPA 1668C		17	41
PCB-18/30	pg/L				560	560	560	EPA 1668C		11	410
PCB-180/193	pg/L				790	790	790	EPA 1668C		8	410
PCB-20/28	pg/L				1100	1100	1100	EPA 1668C		30	410
PCB-44/47/65	pg/L				930(1)	930(1)	930(1)	EPA 1668C		28	610
PCB-49/69	pg/L				440	440	440	EPA 1668C		25	410
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.82	20
pH	SU	7.4	7.7	7.4	7.1	7.4	7.7	SM 4500 H+ B			
Phenanthrene	ug/L				ND	ND	ND	EPA 625.1	5	0.59	20
Phenol	ug/L				41.1	49.7	58.3	EPA 625.1	1	0.24	20
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				14000	14000	14000	Calculated			
Pyrene	ug/L				ND	ND	ND	EPA 625.1	10	0.6	20
Selenium	ug/L				1.88	2.26	2.63	EPA 200.8	2	0.02	1
Silver	ug/L				0.62	0.77	0.91	EPA 200.8	0.25	0.02	0.2
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624.1	2	0.18	0.5
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.01	0.25
Toluene	ug/L				1.2	1.2	1.2	EPA 624.1	2	0.15	0.5
Total cyanide	ug/L				ND	ND	DNQ Est. Conc. 2.07	SM 4500 CN E	5	0.001 - 1	0.005 - 5
Total suspended solids	mg/L	314	465	397	281	355	465	SM 2540D		2.5	100 - 83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608.3	0.5	0.264	5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624.1	1	0.06	0.5
Trichloroethene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
Vinyl chloride	ug/L				ND	ND	ND	EPA 624.1	2	0.25	0.5
Zinc	ug/L				196	245	293	EPA 200.8	1	0.7	1 - 20

(1) Blank contamination observed.

# Los Coyotes WRP Effluent Monitoring

Los Coyotes Water Reclamation Plant  
2020 EFF-001 and Reuse 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		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND(1)						ND(1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND						ND(1)		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND(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)						ND(1)		
1,2,3,6,7,8-HexaCDD	pg/L	ND(1)						ND		
1,2,3,6,7,8-HexaCDF	pg/L	ND(1)						ND(1)		
1,2,3,7,8,9-HexaCDD	pg/L	ND(1)						ND(1)		
1,2,3,7,8,9-HexaCDF	pg/L	DNQ Est. Conc. 2.1						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-Trichloropropane	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		
1,4-Dioxane	ug/L	2.1						2.4		
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND(1)		
2,3,4,7,8-PentaCDF	pg/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,3,7,8-TetraCDF	pg/L	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						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	1.22	1.21	1.24	1.39	1.16	1.03	1.99	1.35	1.29
Anthracene	ug/L	ND						ND		
Antimony	ug/L	2.32			3.02			2.66		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624.1	2	0.16	0.5
1,1,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624.1	1	0.21	0.5
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624.1	2	0.13	0.5
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624.1	1	0.08	0.5
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624.1	2	0.21	0.5
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.2 - 0.61	54
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.17 - 3.1	54
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.16 - 3.2	54
1,2,3,4,7,8-HexaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.15 - 0.51	54
1,2,3,4,7,8-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.12 - 0.38	54
1,2,3,6,7,8-HexaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.16 - 0.52	54
1,2,3,6,7,8-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.13 - 0.36	54
1,2,3,7,8,9-HexaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.15 - 0.47	54
1,2,3,7,8,9-HexaCDF	pg/L				ND(1)	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.12 - 0.32	54
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		0.47 - 1.9	54
1,2,3,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.23 - 0.53	54
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.001	0.005
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625.1	5	0.51	1
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.15	0.5
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624.1	2	0.22	0.5
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624.1	1	0.14	0.5
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625.1	1	0.63	1
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.15	0.5
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			Calculated			
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.25	0.5
1,4-Dioxane	ug/L				2.1	2.3	2.4			SW846/8270MOD 1,4-Dioxane		0.19 - 0.26	0.4
2,3,4,6,7,8-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.12 - 0.34	54
2,3,4,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.22 - 0.59	54
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		0.77 - 1.3	11
2,3,7,8-TetraCDF	pg/L				ND	ND	ND			EPA 1613B		0.22 - 0.73	11
2,4,6-Trichlorophenol	ug/L				ND	ND	ND			EPA 625.1	10	0.64	1
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625.1	5	0.6	1
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625.1	2	0.44	1
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625.1	5	1.51	5
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1	5	0.37	1
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1	5	0.5	1
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624.1	1	0.28	0.5
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625.1	10	0.41	1
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625.1	5	0.41	1
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625.1	5	1.3	5
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1	10	0.31	1
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625.1	5	0.54	1
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625.1	1	0.69	1
4,4'-DDD	ug/L				ND	ND	ND			EPA 608.3	0.05	0.005	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608.3	0.05	0.004	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1	5	0.58	1
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1	5	0.63	1
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1	10	1.56	5
Acenaphthene	ug/L				ND	ND	ND			EPA 625.1	1	0.5	1
Acenaphthylene	ug/L				ND	ND	ND			EPA 625.1	10	0.5	1
Acrolein	ug/L				ND	ND	ND			EPA 624.1		0.64	2
Acrylonitrile	ug/L				ND	ND	ND			EPA 624.1		0.64	2
Aldrin	ug/L				ND	ND	ND			EPA 608.3	0.005	0.003	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	1.29	2.54	1.12	1.03	1.40	2.54	10.5	5.5	SM 4500 NH3 G		0.02 - 0.05	0.1 - 0.5
Anthracene	ug/L				ND	ND	ND			EPA 625.1		0.56	1
Antimony	ug/L	1.27			1.27	2.32	3.02			EPA 200.8	0.5	0.07	0.5
Aroclor 1016	ug/L				ND	ND	ND			EPA 608.3	0.5	0.018	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608.3	0.5	0.076	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608.3	0.5	0.076	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608.3	0.5	0.076	0.1
Aroclor 1248	ug/L				ND	ND	ND			EPA 608.3	0.5	0.076	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608.3	0.5	0.076	0.1
Aroclor 1260	ug/L				ND	ND	ND			EPA 608.3	0.5	0.076	0.1

Los Coyotes Water Reclamation Plant  
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Parameter	Units	January	February	March	April	May	June	July	August	September
Arsenic	ug/L	DNQ Est. Conc. 0.88			DNQ Est. Conc. 0.83			1.38		
Barium	ug/L	41.4			41.4			44.9		
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	0.40	0.41	0.42	0.35	0.40	0.38	0.39	0.38	0.36
Bromodichloromethane	ug/L	0.82						1.2		
Bromoform	ug/L	ND						ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	ND			ND			ND		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	163	178	182	195	206	172	170	179	185
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	ND						DNQ Est. Conc. 0.16		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	6.9						8.5		
Chromium III	ug/L	2.44			0.52			0.76		
Chromium VI	ug/L	DNQ Est. Conc. 0.01			DNQ Est. Conc. 0.03			DNQ Est. Conc. 0.03		
Chromium, total	ug/L	1.73			0.70			0.67		
Chromium, total (Grab)	ug/L	2.44			0.52			0.76		
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	1.63	1.68	1.72	1.28	1.96	5.05	4.07	4.83	5.42
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						3.9		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	7.1	7.3	6.6	6.6	6.8	6.6	6.5	6.2	6.3
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		
Endrin aldehyde	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	0.424			0.417			0.381		
gamma-BHC (Lindane)	ug/L	ND						ND		
Gross alpha radioactivity	pCi/L	2.57			6.48			6.92		
Gross beta radioactivity	pCi/L	15.4			18.9			12.0		
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	ND	ND	ND	ND	ND	ND	ND
Isophorone	ug/L	ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.19			DNQ Est. Conc. 0.09			0.51		

Los Coyotes Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Arsenic	ug/L	1.40			DNQ Est. Conc. 0.83	0.46	1.40			EPA 200.8	2	0.06	1
Barium	ug/L				41.4	42.6	44.9			EPA 200.8		0.24	0.50
Benzene	ug/L				ND	ND	ND			EPA 624.1	2	0.09	0.5
Benzidine	ug/L				ND	ND	ND			EPA 625.1	5	0.77	5
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625.1	5	0.46	1
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.013	0.02
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.015	0.02
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625.1	5	0.52	1
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.014	0.02
Beryllium	ug/L	ND			ND	ND	ND			EPA 200.8	0.5	0.02	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608.3	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625.1	5	0.28	1
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625.1	1	0.27	1
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625.1	2	0.25	1
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625.1	5	0.55	1
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.38	0.37	0.39	0.35	0.39	0.42			EPA 200.8		0.017	0.02
Bromodichloromethane	ug/L				0.82	1.0	1.2			EPA 624.1	2	0.11	0.5
Bromoform	ug/L				ND	ND	ND			EPA 624.1	2	0.18	0.5
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625.1	10	0.58	1
Cadmium	ug/L	ND			ND	ND	ND			EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624.1	2	0.18	0.5
Chlordane	ug/L				ND	ND	ND			EPA 608.3	0.1	0.039	0.05
Chloride	mg/L	191	176	187	163	182	206			EPA 300.0		0.12 - 0.14	10 - 20
Chlorobenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.1	0.5
Chlorodibromomethane	ug/L				ND	ND	DNQ Est. Conc. 0.16			EPA 624.1	2	0.11	0.5
Chloroethane	ug/L				ND	ND	ND			EPA 624.1	2	0.31	0.5
Chloroform	ug/L				6.9	7.7	8.5			EPA 624.1	2	0.08	0.5
Chromium III	ug/L	ND			ND	0.93	2.44			Calculated			
Chromium VI	ug/L	0.06			DNQ Est. Conc. 0.01	0.02	0.06			EPA 218.6 (Dissolved)		0.014 - 0.025	0.05
Chromium, total	ug/L	0.50			0.50	0.90	1.73			EPA 200.8	0.5	0.1	0.5
Chromium, total (Grab)	ug/L	ND			ND	0.64	2.44			EPA 200.8		0.1	0.5
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.014	0.02
Copper	ug/L	4.81	4.44	1.85	1.28	3.23	5.42	12	32	EPA 200.8	0.5	0.05	0.5
delta-BHC	ug/L				ND	ND	ND			EPA 608.3	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625.1	10	0.59	1
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625.1	10	0.69	1
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.014	0.02
Dieldrin	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	2.0	3.9			EPA 625.1	2	0.42	1
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625.1	2	0.41	1
Dissolved oxygen	mg/L	6.5	6.5	6.7	6.2	6.6	7.3			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 608.3	0.02	0.004	0.01
Endosulfan II	ug/L				ND	ND	ND			EPA 608.3	0.01	0.003	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608.3	0.05	0.018	0.04
Endrin	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608.3	0.01	0.006	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624.1	2	0.15	0.5
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L				ND	ND	ND			EPA 625.1		0.69	1
Fluorene	ug/L				ND	ND	ND			EPA 625.1	1	0.58	1
Fluoride	mg/L	0.422			0.381	0.411	0.424			SM 4500 F C	10	0.016 - 0.049	0.1
gamma-BHC (Lindane)	ug/L				ND	ND	ND			EPA 608.3	0.02	0.002	0.01
Gross alpha radioactivity	pCi/L				2.57	5.32	6.92			EPA 900.0		4.54 - 6.07	3
Gross beta radioactivity	pCi/L				12.0	15.4	18.9			EPA 900.0		1.9 - 2.44	4
Heptachlor	ug/L				ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625.1	1	0.47	1
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625.1	1	0.96	1
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625.1	5	2.01	5
Hexachloroethane	ug/L				ND	ND	ND			EPA 625.1	1	0.81	1
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.013	0.02
Isophorone	ug/L				ND	ND	ND			EPA 625.1	1	0.28	1
Lead	ug/L	DNQ Est. Conc. 0.08			DNQ Est. Conc. 0.08	0.13	0.51			EPA 200.8	0.5	0.01	0.25

Los Coyotes Water Reclamation Plant  
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Parameter	Units	January	February	March	April	May	June	July	August	September
Mercury	ug/L	0.0017			0.0022				0.0066	
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	3.36			2.36			2.63		
Nitrate + nitrite as nitrogen	mg/L	6.42	5.71	6.06	6.46	6.03	6.29	5.22	4.08	5.20
Nitrate as nitrogen	mg/L	6.17	5.48	5.88	6.29	5.89	6.18	5.02	3.96	5.05
Nitrite as nitrogen	mg/L	0.250	0.232	0.182	0.167	0.144	0.114	0.197	0.122	0.153
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	DNQ Est. Conc. 1.6	DNQ Est. Conc. 2.4	ND
Organic nitrogen	mg/L	1.78	1.34	1.56	1.13	2.04	1.24	1.36	1.28	1.64
Orthophosphate-P	mg/L	0.086	0.057	0.055	0.074	0.068	0.090	0.083	0.731	0.140
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 9.9		
PCB-105	pg/L							ND		
PCB-114	pg/L							ND		
PCB-118	pg/L							DNQ Est. Conc. 5.6(2)		
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							ND		
PCB-187	pg/L							ND		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 3.5(2)		
PCB-201	pg/L							ND		
PCB-206	pg/L							ND		
PCB-37	pg/L							ND		
PCB-52	pg/L							DNQ Est. Conc. 31		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 19(2)		
PCB-66	pg/L							DNQ Est. Conc. 7.8		
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							ND		
PCB-99	pg/L							ND		
PCB-110/115	pg/L							DNQ Est. Conc. 12		
PCB-128/166	pg/L							ND		
PCB-135/151	pg/L							ND		
PCB-147/149	pg/L							DNQ Est. Conc. 3.2		
PCB-153/168	pg/L							DNQ Est. Conc. 3.0		
PCB-156/157	pg/L							ND		
PCB-18/30	pg/L							DNQ Est. Conc. 13(2)		
PCB-180/193	pg/L							DNQ Est. Conc. 3.1(2)		
PCB-20/28	pg/L							DNQ Est. Conc. 27		
PCB-44/47/65	pg/L							ND(1)		
PCB-49/69	pg/L							DNQ Est. Conc. 8.4		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.064						0.64		
pH	SU	7.3	7.3	7.3	7.3	7.4	7.5	7.5	7.6	7.6
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	ND						DNQ Est. Conc. 0.62		
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	0.365			0.74			0.60		

Los Coyotes Water Reclamation Plant  
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Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Mercury	ug/L	0.0042			0.0017	0.0037	0.0066			EPA 1631E		0.00047 - 0.000094	0.0005 - 0.001
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624.1	2	0.3	0.5
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624.1	2	0.41	0.5
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624.1		0.08	0.5
Methylene chloride	ug/L				ND	ND	ND			EPA 624.1	2	0.46	0.5
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625.1	5	0.36	1
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND			EPA 625.1	5	0.5	5
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625.1	1	0.64	1
Naphthalene	ug/L				ND	ND	ND			EPA 625.1	1	0.2	1
Nickel	ug/L	2.10			2.10	2.61	3.36			EPA 200.8	1	0.07	1
Nitrate + nitrite as nitrogen	mg/L	4.76	7.66	6.02	4.08	5.83	7.66		8	Calculated			
Nitrate as nitrogen	mg/L	4.64	7.49	5.92	3.96	5.66	7.49			SM 4500 NO3 F		0.03 - 0.093	0.2
Nitrite as nitrogen	mg/L	0.118	0.170	0.098	0.098	0.16	0.250		1	SM 4500 NO3 F		0.003 - 0.012	0.03
Nitrobenzene	ug/L				ND	ND	ND			EPA 625.1	1	0.31	1
OctaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.12 - 0.72	110
OctaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.41 - 0.65	110
Oil and grease	mg/L	ND	ND	ND	ND	ND	DNQ Est. Conc. 2.4	15	10	EPA 1664A		1.4	4.3 - 5.8
Organic nitrogen	mg/L	1.36	2.28	1.60	1.13	1.55	2.28			Calculated			
Orthophosphate-P	mg/L	0.119	0.460	0.251	0.055	0.19	0.731			EPA 365.1		0.0061 - 0.01	0.03
PCB-101 (Co: 90/101/113)	pg/L				DNQ Est. Conc. 9.9	ND	DNQ Est. Conc. 9.9			EPA 1668C		1.9	610
PCB-105	pg/L				ND	ND	ND			EPA 1668C		1.9	20
PCB-114	pg/L				ND	ND	ND			EPA 1668C		2	20
PCB-118	pg/L				DNQ Est. Conc. 5.6(2)	ND(2)	DNQ Est. Conc. 5.6(2)			EPA 1668C		1.8	20
PCB-123	pg/L				ND	ND	ND			EPA 1668C		2	20
PCB-126	pg/L				ND	ND	ND			EPA 1668C		2.3	20
PCB-138 (Co: 129/138/163)	pg/L				ND(1)	ND(1)	ND(1)			EPA 1668C		1.1	610
PCB-158	pg/L				ND	ND	ND			EPA 1668C		0.82	200
PCB-167	pg/L				ND	ND	ND			EPA 1668C		0.87	20
PCB-169	pg/L				ND	ND	ND			EPA 1668C		0.89	20
PCB-170	pg/L				ND	ND	ND			EPA 1668C		0.88	200
PCB-177	pg/L				ND	ND	ND			EPA 1668C		0.78	200
PCB-183	pg/L				ND	ND	ND			EPA 1668C		0.66	200
PCB-187	pg/L				ND	ND	ND			EPA 1668C		0.84	200
PCB-189	pg/L				ND	ND	ND			EPA 1668C		1.6	20
PCB-194	pg/L				DNQ Est. Conc. 3.5(2)	ND(2)	DNQ Est. Conc. 3.5(2)			EPA 1668C		1.3	200
PCB-201	pg/L				ND	ND	ND			EPA 1668C		0.58	200
PCB-206	pg/L				ND	ND	ND			EPA 1668C		2.7	200
PCB-37	pg/L				ND	ND	ND			EPA 1668C		3.3	200
PCB-52	pg/L				DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31			EPA 1668C		1.9	200
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 19(2)	ND(2)	DNQ Est. Conc. 19(2)			EPA 1668C		2	810
PCB-66	pg/L				DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8			EPA 1668C		1.9	200
PCB-77	pg/L				ND	ND	ND			EPA 1668C		2.6	20
PCB-81	pg/L				ND	ND	ND			EPA 1668C		2.8	20
PCB-86/87/97/108/119	pg/L				ND	ND	ND			EPA 1668C		1.8	1,200
PCB-99	pg/L				ND	ND	ND			EPA 1668C		1.8	200
PCB-110/115	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668C		1.6	410
PCB-128/166	pg/L				ND	ND	ND			EPA 1668C		1	410
PCB-135/151	pg/L				ND	ND	ND			EPA 1668C		1.1	410
PCB-147/149	pg/L				DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668C		1.1	410
PCB-153/168	pg/L				DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.0			EPA 1668C		0.91	410
PCB-156/157	pg/L				ND	ND	ND			EPA 1668C		1.2	41
PCB-18/30	pg/L				DNQ Est. Conc. 13(2)	ND(2)	DNQ Est. Conc. 13(2)			EPA 1668C		2.6	410
PCB-180/193	pg/L				DNQ Est. Conc. 3.1(2)	ND(2)	DNQ Est. Conc. 3.1(2)			EPA 1668C		0.67	410
PCB-20/28	pg/L				DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27			EPA 1668C		3.5	410
PCB-44/47/65	pg/L				ND(1)	ND(1)	ND(1)			EPA 1668C		1.9	610
PCB-49/69	pg/L				DNQ Est. Conc. 8.4	ND	DNQ Est. Conc. 8.4			EPA 1668C		1.7	410
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.82	1
Perchlorate	ug/L				0.064	0.35	0.64			EPA 331.0	5	0.02	0.05
pH	SU	7.6	7.4	7.4	7.3	7.4	7.6			SM 4500 H+ B			
Phenanthrene	ug/L				ND	ND	ND			EPA 625.1	5	0.59	1
Phenol	ug/L				ND	ND	DNQ Est. Conc. 0.62			EPA 625.1	1	0.24	1
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L				ND	ND	ND			Calculated			
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				ND	ND	ND			Calculated			
Pyrene	ug/L				ND	ND	ND			EPA 625.1	10	0.6	1
Radium 226 + Radium 228	pCi/L				0.37	0.57	0.74			Drinking H2O Rad. Sum Method			



Los Coyotes Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Selenium	ug/L	DNQ Est. Conc. 0.54			DNQ Est. Conc. 0.52			DNQ Est. Conc. 0.50		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND		
Strontium-90	pCi/L	0.152			-0.0102			1.76		
Sulfate	mg/L	137	155	148	207	165	145	144	221	220
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	0.11	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.05
Tetrachloroethene	ug/L	ND						ND		
Temperature	Degrees F	74.1	75	74.9	76.4	80.1	81.5	83.3	84.7	84.2
Thallium	ug/L	ND			ND			ND		
Toluene	ug/L	DNQ Est. Conc. 0.20						ND		
Total chlorinated hydrocarbon (TICH)	ug/L	ND			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 1.57			DNQ Est. Conc. 1.70			ND		
Total dissolved solids	mg/L	705	753	791	908	826	790	770	916	905
Total hardness (CaCO3)	mg/L	268	258	268	256	267	279	280	282	264
Total Kjeldahl Nitrogen (TKN)	mg/L	3.00	2.55	2.80	2.52	3.20	2.28	3.35	2.62	2.92
Total nitrogen	mg/L	9.42	8.26	8.86	8.98	9.23	8.56	8.57	6.70	8.12
Total phosphorus	mg/L	0.145	0.118	0.111	0.130	0.132	0.150	0.147	0.828	0.216
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	0.016						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Tritium	pCi/L	-4.50			83.8			-62.6		
Turbidity	NTU	0.69	0.69	0.55	0.56	0.59	0.51	0.63	0.62	0.68
Uranium	pCi/L	1.59			1.63			1.49		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	60.4			29.3			74.7		

Los Coyotes Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Selenium	DNQ Est. Conc. 0.38			DNQ Est. Conc. 0.38	ND	DNQ Est. Conc. 0.54			EPA 200.8	2	0.02	1
Settleable solids	ND	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ND			ND	ND	ND			EPA 200.8	0.25	0.02	0.2
Strontium-90				-0.0102	0.63	1.76			EPA 905.0		0.367 - 0.519	3
Sulfate	245	158	261	137	184	261			EPA 300.0		0.11 - 0.14	2.5 - 5
Surfactant (CTAS)	ND	ND	ND	ND	ND	0.11			SM 5540D		0.064 - 0.1	0.1
Surfactant (MBAS)	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.05	0.11	ND	ND	0.11			SM 5540C		0.017 - 0.034	0.1
Tetrachloroethene				ND	ND	ND			EPA 624.1	2	0.18	0.5
Temperature	83.1	79.5	76.6	74.1	79.5	84.7	86(3)		EPA 170.1 (oF)			
Thallium	ND			ND	ND	ND			EPA 200.8	1	0.01	0.25
Toluene				ND	ND	DNQ Est. Conc. 0.20			EPA 624.1	2	0.15	0.5
Total chlorinated hydrocarbon (TICH)	ND			ND	ND	ND			Calculated			
Total coliform	ND	ND	ND	ND	ND	ND	(4)	(4)	SM 9222B			1
Total cyanide	DNQ Est. Conc. 1.70			ND	ND	DNQ Est. Conc. 1.70			SM 4500 CN E	5	1	5
Total dissolved solids	1030	800	840	705	836	1030			SM 2540C		2.69	100 - 83.3
Total hardness (CaCO3)	258	277	265	256	269	282			EPA 200.8		0.019	0.05 - 1
Total Kjeldahl Nitrogen (TKN)	2.65	4.82	2.72	2.28	2.95	4.82			EPA 351.2		0.12 - 0.17	0.2 - 0.5
Total nitrogen	7.41	12.9	8.74	6.70	8.81	12.9			Total Nitrogen Calculation			
Total phosphorus	0.190	0.590	0.219	0.111	0.248	0.828			EPA 365.1		0.0139 - 0.0257	0.03
Total residual chlorine	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G			
Total suspended solids	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Toxaphene				ND	ND	ND			EPA 608.3	0.5	0.264	0.5
Toxic equivalence				ND	0.01	0.016			Calculated			
trans-1,2-Dichloroethene				ND	ND	ND			EPA 624.1	1	0.06	0.5
Trichloroethene				ND	ND	ND			EPA 624.1	2	0.15	0.5
Tritium				-4.50	5.57	83.8			EPA 906.0		292 - 316	500
Turbidity	0.79	0.74	0.70	0.51	0.64	0.79	2		SM2130B			
Uranium				1.49	1.57	1.63			EPA 908.0		0.116 - 0.158	1
Vinyl chloride				ND	ND	ND			EPA 624.1	2	0.25	0.5
Zinc	33.2			29.3	49.4	74.7			EPA 200.8	1	0.7	1

- (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 estimated maximum possible concentrations.
- (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 2.2/100 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.

## Palmdale WRP Influent Monitoring

Palmdale Water Reclamation Plant  
2020 Influent 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		
2,4,6-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'-DDT	ug/L	ND						ND		
4,4-DDD	ug/L	ND						ND		
4,4-DDE	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						ND		
Aldrin	ug/L	ND						ND		
alpha-Endosulfan	ug/L	ND						ND		
alpha-Hexachlorocyclohexane (BHC)	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	44.7	48.0	35.4	33.9	45.9	54.6	26.8	38.7	36.8
Anthracene	ug/L	ND						ND		
Antimony	ug/L	0.81						0.81		
Arsenic	ug/L	1.28						DNO Est. Conc. 0.91		
Benzene	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		
Bromodichloromethane	ug/L	DNO Est. Conc. 0.29						DNO Est. Conc. 0.45		
Bromolorm	ug/L	0.55						0.50		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	DNO Est. Conc. 0.19						0.21		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNO Est. Conc. 0.41						0.62		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	1.6						2.0		
Chromium VI	ug/L	ND						DNO Est. Conc. 0.01		
Chromium, total	ug/L	6.02						3.58		
Chrysene	ug/L	ND						ND		
Copper	ug/L	49.0						65.1		
delta-Hexachlorocyclohexane	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenz(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	ND						ND		
Diesel range organics	ug/L			15000	10000			11000		

Palmdale Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1		0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624.1		0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1		0.13	0.50
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1		0.08	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624.1		0.21	0.50
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625.1		0.51	20.0
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1		0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1		0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624.1		0.14	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625.1		0.63	20.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1		0.15	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	Calculated			
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1		0.25	0.50
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.64	20.0
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.60	20.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625.1		0.44	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625.1		1.5	100
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1		0.37	20.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1		0.50	20.0
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624.1		0.28	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625.1		0.41	20.0
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.41	20.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625.1		1.3	100
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1		0.31	20.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625.1		0.54	20.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.69	20.0
4,4'-DDT	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.10
4,4-DDD	ug/L				ND	ND	ND	EPA 608.3	0.05	0.005	0.10
4,4-DDE	ug/L				ND	ND	ND	EPA 608.3	0.05	0.004	0.10
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1		0.58	20.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1		0.63	20.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1		1.6	100
Acenaphthene	ug/L				ND	ND	ND	EPA 625.1		0.50	20.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625.1		0.50	20.0
Acrolein	ug/L				ND	ND	ND	EPA 624.1		0.64	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624.1		0.64	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05
alpha-Endosulfan	ug/L				ND	ND	ND	EPA 608.3	0.02	0.004	0.10
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.10
Ammonia as nitrogen	mg/L	34.2	42.0	42.9	26.8	40.3	54.6	SM 4500 NH3 G		0.020 - 0.043	3.00 - 5.00
Anthracene	ug/L				ND	ND	ND	EPA 625.1		0.56	20.0
Antimony	ug/L				0.81	0.81	0.81	EPA 200.8	0.5	0.07	0.50
Arsenic	ug/L				DNQ Est. Conc. 0.91	ND	1.28	EPA 200.8	2	0.06	1.00
Benzene	ug/L				ND	ND	ND	EPA 624.1		0.09	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625.1		0.77	100
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625.1		0.46	20.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625.1		0.54	20.0
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625.1		0.61	20.0
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625.1		0.52	20.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625.1		0.53	20.0
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-Endosulfan	ug/L				ND	ND	ND	EPA 608.3	0.01	0.003	0.10
beta-Hexachlorocyclohexane	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625.1		0.28	20.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625.1		0.27	20.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625.1		0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625.1		0.55	20.0
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.29	ND	DNQ Est. Conc. 0.45	EPA 624.1		0.11	0.50
Bromoform	ug/L				0.50	0.52	0.55	EPA 624.1		0.18	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.58	20.0
Cadmium	ug/L				DNQ Est. Conc. 0.19	ND	0.21	EPA 200.8	0.25	0.066	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624.1		0.18	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608.3	0.1	0.04	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624.1		0.10	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.41	ND	0.62	EPA 624.1		0.11	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624.1		0.31	0.50
Chloroform	ug/L				1.6	1.8	2.0	EPA 624.1		0.08	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.01	ND	DNQ Est. Conc. 0.01	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				3.58	4.80	6.02	EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625.1		0.41	20.0
Copper	ug/L				49.0	57.0	65.1	EPA 200.8	0.5	0.05	0.50
delta-Hexachlorocyclohexane	ug/L				ND	ND	ND	EPA 608.3	0.005	0.004	0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.59	20.0
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.69	20.0
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625.1		0.58	20.0
Dieldrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.0009	0.10
Diesel range organics	ug/L	5690			5690	10420	15000	SW8015 Diesel/Oil Organics		64 - 190	800 - 1000

Palmdale Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Diethyl phthalate	ug/L	ND						ND		
Dimethyl phthalate	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						ND		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
Gasoline range organics	ug/L	ND			DNO Est. Conc. 30			DNO Est. Conc. 19		
Heptachlor	ug/L	ND						ND		
Heptachlor epoxide	ug/L	ND								
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	0.85						1.01		
Lindane (gamma-Hexachlorocyclohexane)	ug/L	ND						ND		
Mercury	ug/L	0.076								
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		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	2.65						2.79		
Nitrate as nitrogen	mg/L	ND	ND	0.254	ND	ND	ND	DNO Est. Conc. 0.025	DNO Est. Conc. 0.061	DNO Est. Conc. 0.057
Nitrobenzene	ug/L	ND						ND		
Polychlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	30.1						44.3		
Phenols	ug/L	81								
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.17						1.09		
Silver	ug/L	0.26						0.28		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	0.71						1.7		
Total BOD5	mg/L	335	336	354	301	333	358	364	403	301
Total COD	mg/L	758	787	709	768	753	838	1011	801	896
Total cyanide	ug/L	ND								
Total dissolved solids	mg/L			504				482		
Total Kjeldahl Nitrogen (TKN)	mg/L	69.8	66.5	50.8	48.2	78.5	68.5	48.5	57.8	51.2
Total trihalomethanes	ug/L	2.2						3.1		
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	312						515		

Palmdale Water Reclamation Plant  
2020 Influent Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.42	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625.1		0.41	20.0
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608.3	0.05	0.02	0.40
Endrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001	0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608.3	0.01	0.006	0.10
Ethylbenzene	ug/L				ND	ND	ND	EPA 624.1		0.15	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625.1		0.69	20.0
Fluorene	ug/L				ND	ND	ND	EPA 625.1		0.58	20.0
Gasoline range organics	ug/L	ND			ND	ND	DNO Est. Conc. 30	SW8015 Gas-Range Organics		9 - 15	20 - 250
Heptachlor	ug/L				ND	ND	ND	EPA 608.3	0.01	0.005	0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608.3	0.01	0.005	0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625.1		0.47	20.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625.1		0.96	20.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625.1		2.0	100
Hexachloroethane	ug/L				ND	ND	ND	EPA 625.1		0.81	20.0
Indeno (1,2,3-ct) pyrene	ug/L				ND	ND	ND	EPA 625.1		0.53	20.0
Isophorone	ug/L				ND	ND	ND	EPA 625.1		0.28	20.0
Lead	ug/L				0.85	0.93	1.01	EPA 200.8	0.5	0.01	0.25
Lindane (gamma-Hexachlorocyclohexane)	ug/L				ND	ND	ND	EPA 608.3	0.02	0.002	0.10
Mercury	ug/L				0.076	0.076	0.076	EPA 245.1	0.5	0.012	0.040
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624.1		0.30	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624.1		0.41	0.50
Methylene chloride	ug/L				ND	ND	ND	EPA 624.1		0.46	0.50
n-Nitrosodipropylamine	ug/L				ND	ND	ND	EPA 625.1 & EPA 1625B (Modified)		0.0006 - 0.36	0.020 - 20.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625.1 & EPA 1625B (Modified)		0.0005 - 0.50	0.020 - 100
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625.1		0.64	20.0
Naphthalene	ug/L				ND	ND	ND	EPA 625.1		0.20	20.0
Nickel	ug/L				2.65	2.72	2.79	EPA 200.8	1	0.07	1.00
Nitrate as nitrogen	mg/L	DNO Est. Conc. 0.087	DNO Est. Conc. 0.114	ND	ND	ND	0.254	SM 4500 NO3 F		0.020 - 0.048	0.200
Nitrobenzene	ug/L				ND	ND	ND	EPA 625.1		0.31	20.0
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625.1		0.82	20.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625.1		0.59	20.0
Phenol	ug/L				30.1	37.2	44.3	EPA 625.1		0.24	20.0
Phenols	ug/L				81	81	81	EPA 420.1		3	30
Pyrene	ug/L				ND	ND	ND	EPA 625.1		0.60	20.0
Selenium	ug/L				1.09	1.13	1.17	EPA 200.8	2	0.02	1.00
Silver	ug/L				0.26	0.27	0.28	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624.1		0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L				0.71	1.2	1.7	EPA 624.1		0.15	0.50
Total BOD5	mg/L	364	379	503	301	362	516	SM 5210B		0.6	100
Total COD	mg/L	809	898	875	709	830	1010	SM 5220D (std)		7.4 - 8.5	25.0 - 50.0
Total cyanide	ug/L				ND	ND	ND	SM 4500 CN E	5	0.0010	0.0050
Total dissolved solids	mg/L				482	493	504	SM 2540C			25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	51.2	54.0	74.2	48.2	59.9	78.5	EPA 351.2		0.135	5.00
Total trihalomethanes	ug/L				2.2	2.6	3.1	Calculated			
Toxaphene	ug/L				ND	ND	ND	EPA 608.3	0.5	0.3	5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624.1		0.06	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624.1		0.15	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624.1		0.25	0.50
Zinc	ug/L				312	414	515	EPA 200.8	1	0.70	10.0 - 20.0

# Palmdale WRP Effluent Monitoring



Palmdale Water Reclamation Plant  
2020 Tertiary Effluent 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		
2,4,6-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						ND		
Aldrin	ug/L	ND						ND		
alpha-Endosulfan	ug/L	ND						ND		
alpha-Hexachlorocyclohexane (BHC)	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	0.942	1.09	1.12	1.14	1.02	0.960	1.08	1.42	0.994
Anthracene	ug/L	ND						ND		
Antimony	ug/L	0.50						0.54		
Arsenic	ug/L	DNQ Est. Conc. 0.39						DNQ Est. Conc. 0.36		
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		
BOD5, filtered	mg/L	ND	ND	4.9	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	3.4			1.9			2.9		
Bromoform	ug/L	ND			ND			ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	ND						ND		
Calcium	mg/L	33.9			32.7			36.0		
Carbon tetrachloride	ug/L	ND						ND		
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	ND	ND	DNQ Est. Conc. 12.5	DNQ Est. Conc. 17.5	ND
Chlordane	ug/L	ND						ND		

Palmdale Water Reclamation Plant  
2020 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624.1		0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624.1		0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624.1		0.13	0.50
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624.1		0.08	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624.1		0.21	0.50
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625.1		0.51	1.0
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624.1		0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624.1		0.14	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625.1		0.63	1.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			Calculated			
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624.1		0.25	0.50
2,4,6-Trichlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.64	1.0
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.60	1.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625.1		0.44	1.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625.1		1.5	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1		0.37	1.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1		0.50	1.0
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624.1		0.28	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625.1		0.41	1.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.41	1.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625.1		1.3	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1		0.31	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625.1		0.54	1.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.69	1.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608.3	0.05	0.005	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608.3	0.05	0.004	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1		0.58	1.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1		0.63	1.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1		1.6	5.0
Acenaphthene	ug/L				ND	ND	ND			EPA 625.1		0.50	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625.1		0.50	1.0
Acrolein	ug/L				ND	ND	ND			EPA 624.1		0.64	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624.1		0.64	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608.3	0.005	0.003	0.005
alpha-Endosulfan	ug/L				ND	ND	ND			EPA 608.3	0.02	0.004	0.01
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	1.30	1.15	2.86	0.942	1.26	2.86			SM 4500 NH3 G		0.020 - 0.043	0.100 - 0.200
Anthracene	ug/L				ND	ND	ND			EPA 625.1		0.56	1.0
Antimony	ug/L				0.50	0.52	0.54			EPA 200.8	0.5	0.07	0.50
Arsenic	ug/L				DNO Est. Conc. 0.36	ND	DNO Est. Conc. 0.39			EPA 200.8	2	0.06	1.00
Benzene	ug/L				ND	ND	ND			EPA 624.1		0.09	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625.1		0.77	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625.1		0.46	1.0
Benzo(a)pyrene	ug/L				ND	ND	ND			EPA 610	10	0.013	0.020
Benzo(b)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.015	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625.1		0.52	1.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	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 608.3	0.01	0.003	0.01
beta-Hexachlorocyclohexane	ug/L				ND	ND	ND			EPA 608.3	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625.1		0.28	1.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625.1		0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625.1		0.25	1.0
bis(2-Ethylhexyl) phthalate	ug/L	ND			ND	ND	ND			EPA 625.1		0.55	1.0
BOD5, filtered	mg/L	ND	ND	3.3	ND	ND	4.9	30	10	SM 5210B		0.6	3
Bromodichloromethane	ug/L	1.5			1.5	2.4	3.4			EPA 624.1		0.11	0.50
Bromoform	ug/L	ND			ND	ND	ND			EPA 624.1		0.18	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.58	1.0
Cadmium	ug/L				ND	ND	ND			EPA 200.8	0.25	0.066	0.20
Calcium	mg/L	34.0			32.7	34.2	36.0			EPA 200.8		0.006	0.020
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624.1		0.18	0.50
Chemical oxygen demand (COD)	mg/L	DNO Est. Conc. 15.7	DNO Est. Conc. 13.1	DNO Est. Conc. 15.0	ND	ND	DNO Est. Conc. 17.5			SM 5220D (std)		8.5	25.0
Chlordane	ug/L				ND	ND	ND			EPA 608.3	0.1	0.04	0.05

Palmdale Water Reclamation Plant  
2020 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Chloride	mg/L	107			130			143		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	0.59			DNO Est. Conc. 0.34			DNO Est. Conc. 0.43		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	11.9			6.6			10.0		
Chromium VI	ug/L	DNO Est. Conc. 0.01						DNO Est. Conc. 0.01		
Chromium, total	ug/L	1.05						0.74		
Chrysene	ug/L	ND						ND		
Copper	ug/L	1.11						1.35		
delta-Hexachlorocyclohexane	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dibromoacetic acid	ug/L	ND			ND			ND		
Dichloroacetic acid	ug/L	15			14			12		
Dieldrin	ug/L	ND						ND		
Diesel range organics	ug/L			180	129			132		
Diethyl phthalate	ug/L	ND						ND		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	8.1	8.0	8.0	7.8	7.3	7.3	6.9	6.8	6.6
Endosulfan sulfate	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
Gasoline range organics	ug/L	ND			ND			ND		
Heptachlor	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	DNO Est. Conc. 0.05						DNO Est. Conc. 0.04		
Lindane (gamma-Hexachlorocyclohexane)	ug/L	DNO Est. Conc. 0.002						DNO Est. Conc. 0.002		
Magnesium	mg/L	6.9			9.0			9.1		
Mercury	ug/L	0.00081								0.0028
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		
Monochloroacetic acid	ug/L	2.5			ND			3.9		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.63			1.2			0.30		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	DNO Est. Conc. 0.84						1.25		
Nitrate as nitrogen	mg/L	3.45	6.47	3.71	1.91	2.21	1.45	1.21	6.03	0.994
Nitrite as nitrogen	mg/L	0.033	0.041	0.035	0.047	0.063	0.045	0.044	0.058	0.036
Nitrobenzene	ug/L	ND						ND		
Pentachlorophenol	ug/L	ND						ND		
pH	SU	7.1	7.1	7.3	7.0	7.2	7.2	7.0	7.0	7.1
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	ND						ND		
Phenols	ug/L	DNO Est. Conc. 3						DNO Est. Conc. 5		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	DNO Est. Conc. 0.39						DNO Est. Conc. 0.22		
Silver	ug/L	ND						ND		
Sodium	mg/L	111			115			119		
Sulfate	mg/L	68.9			70.7			69.3		
Surfactant (MBAS)	mg/L	ND			0.12			0.10		
Temperature	°C	19.1	19.8	20.1	21.2	23.0	24.1	27.4	27.5	28.0
Tetrachloroethene	ug/L	ND						ND		

Palmdale Water Reclamation Plant  
2020 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Chloride	mg/L	152			107	133	152			EPA 300.0		0.120	10.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624.1		0.10	0.50
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.30			DNQ Est. Conc. 0.30	ND	0.59			EPA 624.1		0.11	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624.1		0.31	0.50
Chloroform	ug/L	4.0			4.0	8.1	11.9			EPA 624.1		0.08	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.01	ND	DNQ Est. Conc. 0.01			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				0.74	0.90	1.05			EPA 200.8	0.5	0.10	0.50
Chrysene	ug/L				ND	ND	ND			EPA 610	10	0.014	0.020
Copper	ug/L				1.11	1.23	1.35			EPA 200.8	0.5	0.05	0.50
delta-Hexachlorocyclohexane	ug/L				ND	ND	ND			EPA 608.3	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.59	1.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.69	1.0
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND			EPA 610	10	0.014	0.020
Dibromoacetic acid	ug/L	DNQ Est. Conc. 0.38			ND	ND	DNQ Est. Conc. 0.38			EPA 552.3		0.32	1.0
Dichloroacetic acid	ug/L	13			12	14	15			EPA 552.3		0.37	1.0
Dieldrin	ug/L				ND	ND	ND			EPA 608.3	0.01	0.0009	0.01
Diesel range organics	ug/L	161			129	150	180			SW8015 Diesel/Oil Organics		24 - 64	100
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.42	1.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625.1		0.41	1.0
Dissolved oxygen	mg/L	7.0	7.5	7.9	6.7	7.4	8.1	≥1		HACH 10360 LDO			0.2
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608.3	0.05	0.02	0.04
Endrin	ug/L				ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608.3	0.01	0.006	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
Fluoranthene	ug/L				ND	ND	ND			EPA 625.1		0.69	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625.1		0.58	1.0
Gasoline range organics	ug/L	ND			ND	ND	ND			SW8015 Gas-Range Organics		9 - 15	50
Heptachlor	ug/L				ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625.1		0.47	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625.1		0.96	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625.1		2.0	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625.1		0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND			EPA 610	10	0.013	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625.1		0.28	1.0
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				DNQ Est. Conc. 0.002	ND	DNQ Est. Conc. 0.002			EPA 608.3	0.02	0.002	0.01
Magnesium	mg/L	9.7			6.9	8.7	9.7			EPA 200.8		0.001	0.020
Mercury	ug/L				0.00081	0.0018	0.0028			EPA 1631E		0.000047	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624.1		0.30	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624.1		0.41	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624.1		0.08	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624.1		0.46	0.50
Monobromoacetic acid	ug/L	ND			ND	ND	ND			EPA 552.3		0.39	1.0
Monochloroacetic acid	ug/L	2.4			ND	2.4	3.9			EPA 552.3		0.34	2.0
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625.1 & EPA 1625B (Modified)		0.0006 - 0.36	0.010 - 1.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.90			0.30	0.76	1.2			EPA 1625B (Modified)		0.0005	0.010
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625.1 & EPA 1625B (Modified)		0.0013 - 0.64	0.050 - 1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625.1		0.20	1.0
Nickel	ug/L				DNQ Est. Conc. 0.84	ND	1.25			EPA 200.8	1	0.07	1.00
Nitrate as nitrogen	mg/L	2.19	1.47	2.82	0.994	2.83	6.47			SM 4500 NO3 F		0.020 - 0.048	0.200
Nitrite as nitrogen	mg/L	0.086	0.092	0.253	0.033	0.069	0.253			SM 4500 NO3 F		0.003 - 0.015	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625.1		0.31	1.0
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625.1		0.82	1.0
pH	SU	7.1	7.0	7.1	7.0	7.1	7.3	6<pH<9		SM 4500 H+ B			
Phenanthrene	ug/L				ND	ND	ND			EPA 625.1		0.59	1.0
Phenol	ug/L				ND	ND	ND			EPA 625.1		0.24	1.0
Phenols	ug/L				DNQ Est. Conc. 3	ND	DNQ Est. Conc. 5			EPA 420.1		3	6
Pyrene	ug/L				ND	ND	ND			EPA 625.1		0.60	1.0
Selenium	ug/L				DNQ Est. Conc. 0.22	ND	DNQ Est. Conc. 0.39			EPA 200.8		0.02	1.00
Silver	ug/L				ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Sodium	mg/L	122			111	117	122			EPA 200.8		0.033	2.0 - 4.0
Sulfate	mg/L	64.4			64.4	68.3	70.7			EPA 300.0		0.110	2.50
Surfactant (MBAS)	mg/L	DNQ Est. Conc. 0.09			ND	ND	0.12	2	1	SM 5540C		0.005 - 0.029	0.1
Temperature	°C	25.7	21.7	19.5	19.1	23.1	28.0			EPA 170.1 (pC)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624.1		0.18	0.50

Palmdale Water Reclamation Plant  
2020 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Thallium	ug/L	DNQ Est. Conc: 0.010						ND		
Toluene	ug/L	ND						ND		
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	ND							ND	
Total dissolved solids	mg/L	464			460			492		
Total haloacetic acids	ug/L	26			20			21		
Total Kjeldahl Nitrogen (TKN)	mg/L	2.30	3.46	3.06	2.99	2.66	2.52	2.28	3.14	1.74
Total Organic Carbon	mg/L	5.88			7.04					6.75
Total trihalomethanes	ug/L	15.9			8.5			12.9		
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroacetic acid	ug/L	8.3			6.1			5.3		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	90.5						98.9		

Palmdale Water Reclamation Plant  
2020 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Thallium	ug/L				ND	ND	DNO Est. Conc. 0.010			EPA 200.8	1	0.010	0.25
Toluene	ug/L				ND	ND	ND			EPA 624.1		0.15 - 0.24	0.50
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	23/240		SM 9222B			1
Total cyanide	ug/L				ND	ND	ND			SM 4500 CN E	5	0.0010 - 1.37	0.0050 - 5.00
Total dissolved solids	mg/L	506			460	480	506			SM 2540C			25.0
Total haloacetic acids	ug/L	19			19	22	26			Calculated			
Total Kjeldahl Nitrogen (TKN)	mg/L	2.46	2.52	4.87	1.74	2.83	4.87			EPA 351.2		0.045 - 0.129	1.00
Total Organic Carbon	mg/L	5.82			5.82	6.37	7.04			SM 5310C		0.13 - 0.18	0.50 - 2.50
Total trihalomethanes	ug/L	5.5			5.5	11	15.9			Calculated			
Toxaphene	ug/L				ND	ND	ND			EPA 608.3	0.5	0.26 - 0.3	0.50 - 0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624.1		0.06	0.50
Trichloroacetic acid	ug/L	3.6			3.6	5.8	8.3			EPA 552.3		0.28	1.0
Trichloroethene	ug/L				ND	ND	ND			EPA 624.1		0.15	0.50
Vinyl chloride	ug/L				ND	ND	ND			EPA 624.1		0.25	0.50
Zinc	ug/L				90.5	94.7	98.9			EPA 200.8	1	0.70	1.00

# Palmdale WRP Biosolids Monitoring

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](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](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](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](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](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.

**Public Availability of Information Submitted on and with General Permit Reports**

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 personal information (e.g., non-business cell phone number or non-business email address), 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.

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

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with EPA regulations (40 CFR 503.18, 503.28, and 503.48). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 3 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Facility Information

**Facility Name:** LACSD - PALMDALE WRP

**NPDES ID:** CAL000446

Program Information

**Please select all of the following that apply 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).**

1719

**Reporting Period Start Date:** 01/01/2020

**Reporting Period End Date:** 12/31/2020

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 (e.g., Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter, Screw Press)

**Other Processes to Manage Sewage Sludge:**

Methane or Biogas Capture and Recovery

Analytical Methods

Did you or your facility collect sewage sludge or biosolids samples for laboratory analysis?  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-NH<sub>3</sub> - 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:**

SM4500-NO-3

- 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: 001

Amount: 1719

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  
323-843-7265  
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](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](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:	Compliance Monitoring Period End Date:
	<u>01/01/2020</u>	<u>02/29/2020</u>

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.79	
Cadmium	=	2.4	

Copper	=	403	
Lead	=	5.4	
Mercury	=	0.92	
Molybdenum	=	14	
Nickel	=	32.1	
Selenium	=	4.89	
Zinc	=	2100	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.79	
Cadmium	=	2.4	
Copper	=	403	
Lead	=	5.4	
Mercury	=	0.92	
Nickel	=	32.1	
Selenium	=	4.89	
Zinc	=	2100	

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)	=	74500	

Compliance Monitoring Event No. 2

Compliance Monitoring Period Start Date:  
03/01/2020

Compliance Monitoring Period End Date:  
04/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.2	
Cadmium	=	2.1	
Copper	=	350	
Lead	=	5.14	
Mercury	=	0.7	
Molybdenum	=	12.4	
Nickel	=	24.3	
Selenium	=	4.69	
Zinc	=	1620	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.2	
Cadmium	=	2.1	
Copper	=	350	
Lead	=	5.14	

Mercury	=	0.7	
Nickel	=	24.3	
Selenium	=	4.69	
Zinc	=	1620	

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)	=	79800	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date:

05/01/2020

Compliance Monitoring Period End Date:

06/30/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.49	
Cadmium	=	1.7	
Copper	=	298	
Lead	=	4.96	
Mercury	=	0.66	
Molybdenum	=	11.7	
Nickel	=	20.6	
Selenium	=	4.16	
Zinc	=	1460	

#### 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)
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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	=	70	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.49	
Cadmium	=	1.7	
Copper	=	298	
Lead	=	4.96	
Mercury	=	0.66	
Nickel	=	20.6	
Selenium	=	4.16	
Zinc	=	1460	

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)	=	61300	

**Compliance Monitoring Event No. 4**                      **Compliance Monitoring Period Start Date:** 07/01/2020                      **Compliance Monitoring Period End Date:** 08/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.25	

Cadmium	=	2.1	
Copper	=	428	
Lead	=	6	
Mercury	=	0.67	
Molybdenum	=	13.1	
Nickel	=	24.5	
Selenium	=	5.09	
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	=	61	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.25	
Cadmium	=	2.1	
Copper	=	428	
Lead	=	6	
Mercury	=	0.67	
Nickel	=	24.5	
Selenium	=	5.09	
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)	=	59700	

Compliance Monitoring Event No. 5

Compliance Monitoring Period Start Date:  
09/01/2020

Compliance Monitoring Period End Date:  
10/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.24	
Cadmium	=	1.9	
Copper	=	447	
Lead	=	5.59	
Mercury	=	0.75	
Molybdenum	=	11.5	
Nickel	=	21	
Selenium	=	4.79	
Zinc	=	2080	

**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	=	57	

**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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.24	
Cadmium	=	1.9	
Copper	=	447	



Copper	=	...	
Lead	=	5.59	
Mercury	=	0.75	
Nickel	=	21	
Selenium	=	4.79	
Zinc	=	2080	

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)	=	68500	

**Compliance Monitoring Event No. 6**                      **Compliance Monitoring Period Start Date:** 11/01/2020                      **Compliance Monitoring Period End Date:** 12/31/2020

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](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](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](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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.34	
Cadmium	=	2.2	
Copper	=	445	
Lead	=	6.51	
Mercury	=	0.87	
Molybdenum	=	14.1	
Nickel	=	22.6	
Selenium	=	5.31	
Zinc	=	2190	

**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
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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 or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.34	
Cadmium	=	2.2	
Copper	=	445	
Lead	=	6.51	
Mercury	=	0.87	
Nickel	=	22.6	
Selenium	=	5.31	
Zinc	=	2190	

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)	=	67500	

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
Palmdale_Annual.pdf	01/25/2021 5:43 PM	149.54 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:** 02/10/2021 12:02 PM

**2020 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
20011400397	1/14/2020	17.4	2.79	2.4	60.2	403	5.40	0.92	14.0	32.1	4.9	2,100
20031100441	3/11/2020	18.1	3.20	2.1	56.2	350	5.14	0.70	12.4	24.3	4.7	1,620
20050600456	5/6/2020	21.1	2.49	1.7	50.0	298	4.96	0.66	11.7	20.6	4.2	1,460
20070800305	7/8/2020	26.8	3.25	2.1	55.4	428	6.00	0.67	13.1	24.5	5.1	1,820
20090200321	9/2/2020	19.5	3.24	1.9	48.2	447	5.59	0.75	11.5	21.0	4.8	2,080
20110400396	11/4/2020	19.3	3.34	2.2	50.5	445	6.51	0.87	14.1	22.6	5.3	2,190
<b>MEAN</b>		<b>20.4</b>	<b>3.05</b>	<b>2.1</b>	<b>53.4</b>	<b>395</b>	<b>5.60</b>	<b>0.76</b>	<b>12.8</b>	<b>24.2</b>	<b>4.8</b>	<b>1,880</b>
<b>MAX</b>			<b>3.34</b>	<b>2.4</b>	<b>60.2</b>	<b>447</b>	<b>6.51</b>	<b>0.92</b>	<b>14.1</b>	<b>32.1</b>	<b>5.3</b>	<b>2,190</b>
<b>TABLE 1 LIMITS</b>		\	<b>75</b>	<b>85</b>	\	<b>4,300</b>	<b>840</b>	<b>57</b>	<b>75</b>	<b>420</b>	<b>100</b>	<b>7,500</b>
<b>TABLE 3 LIMITS</b>		\	<b>41</b>	<b>39</b>	\	<b>1,500</b>	<b>300</b>	<b>17</b>	\	<b>420</b>	<b>100</b>	<b>2,800</b>

Sample No.	Date	Amm-N	Org-N	NO <sub>3</sub> -N	NO <sub>2</sub> -N	PO <sub>4</sub>	K	TN	TKN
20011400397	1/14/2020	7,580	66,900	26.6	7.1	98,100	1,680	74,500	74,500
20031100441	3/11/2020	8,550	71,200	< 11.1	6.4	111,000	1,680	79,800	79,800
20052700208	5/27/2020	6,510	54,800	9.5	4.5	107,000	1,420	61,300	61,300
20070800305	7/8/2020	11,300	48,400	8.0	2.0	147,000	1,820	59,700	59,700
20090200321	9/2/2020	8,250	60,200	< 10.2	2.42	111,000	1,500	68,500	68,400
20110400396	11/4/2020	6,420	61,100	< 10.3	< 1.55	103,000	1,670	67,500	67,500
<b>MEAN</b>		<b>8,100</b>	<b>60,400</b>	<b>10.0</b>	<b>4.5</b>	<b>112,900</b>	<b>1,628</b>		
<b>MAX</b>		<b>11,300</b>	<b>71,200</b>	<b>26.6</b>	<b>7.1</b>	<b>147,000</b>	<b>1,820</b>		

\ = No Limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

\* Lab ID: 20052700208 includes analytes Mercury and Total Solids

## 2020 BIOSOLIDS MANAGEMENT PROGRAM

### Palmdale WRP Digester Performance

Month	Temp (°F )	Detention Time * (Days)	VSD (%)
January	97	144	67
February	97	133	73
March	97	158	69
April	97	158	72
May	97	157	70
June	97	150	53
July	97	147	61
August	97	153	55
September	97	161	51
October	97	177	57
November	97	177	58
December	97	170	67
<b>MEAN</b>	<b>97</b>	<b>157</b>	<b>63</b>
<b>MIN</b>	<b>97</b>	<b>133</b>	<b>51</b>

\* = As flow decreases HDT will increase

**PALMDALE WATER RECLAMATION PLANT**  
**2020 Digester Performance Summary**

		HDT	Temperature	VSD			HDT	Temperature	VSD
		(days)	( degrees F)	(%)			(days)	( degrees F)	(%)
Jan	Dig 3	154	97	60	Jul	Dig 3	154	97	53
	Dig 4	150	97	70		Dig 4	153	97	63
	Dig 5	151	97	68		Dig 5	152	97	63
	Dig 7	123	97	69		Dig 7	129	97	65
	<b>Avg</b>	<b>144</b>	<b>97</b>	<b>67</b>		<b>Avg</b>	<b>147</b>	<b>97</b>	<b>61</b>
Feb	Dig 3	139	97	68	Aug	Dig 3	164	97	48
	Dig 4	136	97	76		Dig 4	157	97	58
	Dig 5	135	97	75		Dig 5	160	97	58
	Dig 7	121	97	74		Dig 7	130	97	58
	<b>Avg</b>	<b>133</b>	<b>97</b>	<b>73</b>		<b>Avg</b>	<b>153</b>	<b>97</b>	<b>55</b>
Mar	Dig 3	171	97	62	Sep	Dig 3	170	97	44
	Dig 4	166	97	71		Dig 4	168	97	52
	Dig 5	162	97	72		Dig 5	167	97	53
	Dig 7	134	97	72		Dig 7	139	97	54
	<b>Avg</b>	<b>158</b>	<b>97</b>	<b>69</b>		<b>Avg</b>	<b>161</b>	<b>97</b>	<b>51</b>
Apr	Dig 3	171	97	66	Oct	Dig 3	191	97	49
	Dig 4	164	97	75		Dig 4	184	97	58
	Dig 5	162	97	73		Dig 5	181	97	60
	Dig 7	135	97	74		Dig 7	150	97	60
	<b>Avg</b>	<b>158</b>	<b>97</b>	<b>72</b>		<b>Avg</b>	<b>177</b>	<b>97</b>	<b>57</b>
May	Dig 3	171	97	66	Nov	Dig 3	193	97	54
	Dig 4	163	97	72		Dig 4	182	97	58
	Dig 5	161	97	70		Dig 5	181	97	60
	Dig 7	135	97	71		Dig 7	151	97	60
	<b>Avg</b>	<b>157</b>	<b>97</b>	<b>70</b>		<b>Avg</b>	<b>177</b>	<b>97</b>	<b>58</b>
Jun	Dig 3	166	97	48	Dec	Dig 3	188	97	67
	Dig 4	153	97	54		Dig 4	174	97	67
	Dig 5	152	97	53		Dig 5	173	97	68
	Dig 7	127	97	57		Dig 7	146	97	68
	<b>Avg</b>	<b>150</b>	<b>97</b>	<b>53</b>		<b>Avg</b>	<b>170</b>	<b>97</b>	<b>67</b>

HDT = Hydraulic Detention Time  
VSD = Volatile Solids Destruction

## **Pomona WRP Influent Monitoring**

Pomona Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
1,1,1-Trichloroethane	ug/L						ND					
1,1,2,2-Tetrachloroethane	ug/L						ND					
1,1,2-Trichloroethane	ug/L						ND					
1,1-Dichloroethane	ug/L						ND					
1,1-Dichloroethylene	ug/L						ND					
1,2,4-Trichlorobenzene	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					
1,3-Dichlorobenzene	ug/L						ND					
1,3-Dichloropropene (Total)	ug/L						ND					
1,4-Dichlorobenzene	ug/L						ND					
2,3,7,8-TCDD	pg/L						ND					
2,4,6-Trichlorophenol	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					
2,6-Dinitrotoluene	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					
3,3'-Dichlorobenzidine	ug/L						ND					
3-Methyl-4-chlorophenol	ug/L						ND					
4,4-DDD	ug/L						ND					
4,4-DDE	ug/L						ND					
4,4-DDT	ug/L						ND					
4-Bromophenyl phenyl ether	ug/L						ND					
4-Chlorophenyl phenyl ether	ug/L						ND					
4-Nitrophenol	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						0.89					
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						1.37					
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					



Pomona Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	December	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	EPA 624.1		0.16	0.5
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	EPA 624.1		0.21	0.5
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	EPA 624.1		0.13	0.5
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	EPA 624.1		0.08	0.5
1,1-Dichloroethylene	ug/L	ND	ND	ND	ND	EPA 624.1		0.21	0.5
1,2,4-Trichlorobenzene	ug/L	ND	ND	ND	ND	EPA 625.1		0.51	10 - 20
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	EPA 624.1		0.15	0.5
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	EPA 624.1		0.22	0.5
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	EPA 624.1		0.14	0.5
1,2-Diphenylhydrazine	ug/L	ND	ND	ND	ND	EPA 625.1		0.63	10 - 20
1,2-trans-Dichloroethylene	ug/L	ND	ND	ND	ND	EPA 624.1		0.06	0.5
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	EPA 624.1		0.15	0.5
1,3-Dichloropropene (Total)	ug/L	ND	ND	ND	ND	Calculated			
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	EPA 624.1		0.25	0.5
2,3,7,8-TCDD	pg/L	DNQ Est. Conc. 2.6 (1)	ND	ND	DNQ Est. Conc. 2.6 (1)	EPA 1613B		0.79 - 2.6	10 - 11
2,4,6-Trichlorophenol	ug/L	ND	ND	ND	ND	EPA 625.1		0.64	10 - 20
2,4-Dichlorophenol	ug/L	ND	ND	ND	ND	EPA 625.1		0.6	10 - 20
2,4-Dimethylphenol	ug/L	ND	ND	ND	ND	EPA 625.1		0.44	10 - 20
2,4-Dinitrophenol	ug/L	ND	ND	ND	ND	EPA 625.1		1.5	50 - 100
2,4-Dinitrotoluene	ug/L	ND	ND	ND	ND	EPA 625.1		0.37	10 - 20
2,6-Dinitrotoluene	ug/L	ND	ND	ND	ND	EPA 625.1		0.5	10 - 20
2-Chloroethylvinyl ether	ug/L	ND	ND	ND	ND	EPA 624.1		0.28	0.5
2-Chloronaphthalene	ug/L	ND	ND	ND	ND	EPA 625.1		0.41	10 - 20
2-Chlorophenol	ug/L	ND	ND	ND	ND	EPA 625.1		0.41	10 - 20
2-Methyl-4,6-dinitrophenol	ug/L	ND	ND	ND	ND	EPA 625.1		1.3	50 - 100
2-Nitrophenol	ug/L	ND	ND	ND	ND	EPA 625.1		0.31	10 - 20
3,3'-Dichlorobenzidine	ug/L	ND	ND	ND	ND	EPA 625.1		0.54	10 - 20
3-Methyl-4-chlorophenol	ug/L	ND	ND	ND	ND	EPA 625.1		0.69	10 - 20
4,4-DDD	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.05	0.003 - 0.005	0.1
4,4-DDE	ug/L	DNQ Est. Conc. 0.09	ND	ND	DNQ Est. Conc. 0.09	EPA 608.3/8081/8082	0.05	0.002 - 0.004	0.1
4,4-DDT	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.01	0.001 - 0.004	0.1
4-Bromophenyl phenyl ether	ug/L	ND	ND	ND	ND	EPA 625.1		0.58	10 - 20
4-Chlorophenyl phenyl ether	ug/L	ND	ND	ND	ND	EPA 625.1		0.63	10 - 20
4-Nitrophenol	ug/L	ND	ND	ND	ND	EPA 625.1		1.6	50 - 100
Acenaphthene	ug/L	ND	ND	ND	ND	EPA 625.1		0.5	10 - 20
Acenaphthylene	ug/L	ND	ND	ND	ND	EPA 625.1		0.5	10 - 20
Acrolein	ug/L	ND	ND	ND	ND	EPA 624.1		0.64	2
Acrylonitrile	ug/L	ND	ND	ND	ND	EPA 624.1		0.64	2
Aldrin	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.005	0.002 - 0.003	0.05
alpha-BHC	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.01	0.001 - 0.003	0.1
alpha-Endosulfan	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.02	0.003 - 0.004	0.1
Anthracene	ug/L	ND	ND	ND	ND	EPA 625.1		0.56	10 - 20
Antimony	ug/L	0.93	0.89	0.91	0.93	EPA 200.8	0.5	0.07	0.5
Aroclor 1016	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.5	0.02 - 0.1	1 - 5
Aroclor 1221	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.1	5
Aroclor 1232	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.1	3 - 5
Aroclor 1242	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.1	1 - 5
Aroclor 1248	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.1	1 - 5
Aroclor 1254	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.1	1 - 5
Aroclor 1260	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.5	0.08 - 0.1	1 - 5
Arsenic	ug/L	1.71	1.37	1.54	1.71	EPA 200.8	2	0.06	1
Benzene	ug/L	ND	ND	ND	ND	EPA 624.1		0.09	0.5
Benzidine	ug/L	ND	ND	ND	ND	EPA 625.1		0.77	50 - 100
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	EPA 625.1		0.46	10 - 20
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	EPA 625.1		0.54	10 - 20
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	EPA 625.1		0.61	10 - 20
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	ND	EPA 625.1		0.52	10 - 20
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	EPA 625.1		0.53	10 - 20

Pomona Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
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						ND					
BOD	mg/L	237	361	287	230	230	250	218	274	283	252	308
Bromodichloromethane	ug/L						0.62					
Bromoform	ug/L						DNO Est. Conc. 0.36					
Butyl benzyl phthalate	ug/L						ND					
Cadmium	ug/L						0.25					
Carbon tetrachloride	ug/L						ND					
Chlorobenzene	ug/L						ND					
Chloroethane	ug/L						ND					
Chloroform	ug/L						3.3					
Chromium III	ug/L						2.81					
Chromium VI	ug/L						DNO Est. Conc. 0.01					
Chrysene	ug/L						ND					
Copper	ug/L						54.1					
Cyanide	ug/L						ND					
delta-BHC	ug/L						ND					
Dibenzo(a,h)anthracene	ug/L						ND					
Dibromochloromethane	ug/L						0.63					
Dieldrin	ug/L						ND					
Diethyl phthalate	ug/L						ND					
Dimethyl phthalate	ug/L						ND					
Di-n-butyl phthalate	ug/L						ND					
Di-n-octyl phthalate	ug/L						ND					
Endosulfan sulfate	ug/L						ND					
Endrin	ug/L						ND					
Endrin aldehyde	ug/L						ND					
Ethylbenzene	ug/L						ND					
Fluoranthene	ug/L						ND					
Fluorene	ug/L						ND					
gamma-BHC	ug/L						ND					
Heptachlor	ug/L						ND					
Heptachlor epoxide	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	0.00197	0.00186	0.00186	0.00161	0.00826	0.00190	0.00190	0.00153	0.00075	0.00151	0.00088
Mercury	ug/L						0.08					
Methyl bromide (Bromomethane)	ug/L						ND					
Methyl chloride (Chloromethane)	ug/L						ND					
Methylene chloride	ug/L						ND					
Naphthalene	ug/L						ND					
Nickel	ug/L						3.40					
Nitrobenzene	ug/L						ND					
n-Nitrosodimethylamine (NDMA)	ug/L						ND (EPA 625.1 only)					
N-Nitrosodi-n-propylamine	ug/L						ND (EPA 625.1 only)					
n-Nitrosodiphenylamine	ug/L						ND (EPA 625.1 only)					
PCB-18/30	pg/L						DNO Est. Conc. 120					
PCB-20/28	pg/L						DNO Est. Conc. 320					
PCB-37	pg/L						DNO Est. Conc. 90					

Pomona Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	December	Minimum	Average	Maximum	Method	ML	MDL	RL
Beryllium	ug/L	ND	ND	ND	ND	EPA 200.8	0.5	0.02	0.25
beta-BHC	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.005	0.003	0.05
beta-Endosulfan	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.01	0.003 - 0.004	0.1
Bis(2-chloroethoxy)methane	ug/L	ND	ND	ND	ND	EPA 625.1		0.28	10 - 20
bis(2-Chloroethyl) ether	ug/L	ND	ND	ND	ND	EPA 625.1		0.27	10 - 20
bis(2-Chloroisopropyl) ether	ug/L	ND	ND	ND	ND	EPA 625.1		0.25	10 - 20
bis(2-Ethylhexyl) phthalate	ug/L	DNO Est. Conc. 9.6	ND	ND	DNO Est. Conc. 9.6	EPA 625.1		0.55	10 - 20
BOD	mg/L	244	218	264	361	SM 5210B		0.6	120
Bromodichloromethane	ug/L	0.66	0.62	0.64	0.66	EPA 624.1		0.11	0.5
Bromoform	ug/L	DNO Est. Conc. 0.42	DNO Est. Conc. 0.36	ND	DNO Est. Conc. 0.42	EPA 624.1		0.18	0.5
Butyl benzyl phthalate	ug/L	ND	ND	ND	ND	EPA 625.1		0.58	10 - 20
Cadmium	ug/L	0.21	0.21	0.23	0.25	EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L	ND	ND	ND	ND	EPA 624.1		0.18	0.5
Chlorobenzene	ug/L	ND	ND	ND	ND	EPA 624.1		0.1	0.5
Chloroethane	ug/L	ND	ND	ND	ND	EPA 624.1		0.31	0.5
Chloroform	ug/L	3.5	3.3	3.4	3.5	EPA 624.1		0.08	0.5
Chromium III	ug/L	2.86	2.81	2.84	2.86	Calculated			
Chromium VI	ug/L	DNO Est. Conc. 0.02	DNO Est. Conc. 0.01	ND	DNO Est. Conc. 0.02	EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chrysene	ug/L	ND	ND	ND	ND	EPA 625.1		0.41	10 - 20
Copper	ug/L	39.6	39.6	46.8	54.1	EPA 200.8	0.5	0.05	0.5
Cyanide	ug/L	DNO Est. Conc. 1.82	ND	ND	DNO Est. Conc. 1.82	SM 4500 CN E	5	1	5
delta-BHC	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.005	0.003 - 0.004	0.05
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	EPA 625.1		0.58	10 - 20
Dibromochloromethane	ug/L	0.67	0.63	0.65	0.67	EPA 624.1		0.11	0.5
Dieldrin	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.01	0.0009 - 0.003	0.1
Diethyl phthalate	ug/L	ND	ND	ND	ND	EPA 625.1		0.42	10 - 20
Dimethyl phthalate	ug/L	ND	ND	ND	ND	EPA 625.1		0.41	10 - 20
Di-n-butyl phthalate	ug/L	ND	ND	ND	ND	EPA 625.1		0.59	10 - 20
Di-n-octyl phthalate	ug/L	ND	ND	ND	ND	EPA 625.1		0.69	10 - 20
Endosulfan sulfate	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.05	0.004 - 0.02	0.1 - 0.4
Endrin	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.01	0.001 - 0.004	0.1
Endrin aldehyde	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.01	0.003 - 0.006	0.1
Ethylbenzene	ug/L	ND	ND	ND	ND	EPA 624.1		0.15	0.5
Fluoranthene	ug/L	ND	ND	ND	ND	EPA 625.1		0.69	10 - 20
Fluorene	ug/L	ND	ND	ND	ND	EPA 625.1		0.58	10 - 20
gamma-BHC	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.02	0.002 - 0.003	0.1
Heptachlor	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.01	0.002 - 0.005	0.1
Heptachlor epoxide	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.01	0.003 - 0.005	0.1
Hexachlorobenzene	ug/L	ND	ND	ND	ND	EPA 625.1		0.47	10 - 20
Hexachlorobutadiene	ug/L	ND	ND	ND	ND	EPA 625.1		0.96	10 - 20
Hexachlorocyclopentadiene	ug/L	ND	ND	ND	ND	EPA 625.1		2	50 - 100
Hexachloroethane	ug/L	ND	ND	ND	ND	EPA 625.1		0.81	10 - 20
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	EPA 625.1		0.53	10 - 20
Isophorone	ug/L	ND	ND	ND	ND	EPA 625.1		0.28	10 - 20
Lead	mg/L	0.00178	0.00075	0.0022	0.00826	EPA 200.8	0.0005	0.00001	0.00025
Mercury	ug/L	0.11	0.08	0.1	0.11	EPA 245.1	0.5	0.012	0.04
Methyl bromide (Bromomethane)	ug/L	ND	ND	ND	ND	EPA 624.1		0.3	0.5
Methyl chloride (Chloromethane)	ug/L	ND	ND	ND	ND	EPA 624.1		0.41	0.5
Methylene chloride	ug/L	ND	ND	ND	ND	EPA 624.1		0.46	0.5
Naphthalene	ug/L	ND	ND	ND	ND	EPA 625.1		0.2	10 - 20
Nickel	ug/L	2.96	2.96	3.18	3.40	EPA 200.8	1	0.07	1
Nitrobenzene	ug/L	ND	ND	ND	ND	EPA 625.1		0.31	10 - 20
n-Nitrosodimethylamine (NDMA)	ug/L	ND (EPA 1625B only)	ND	ND	ND	EPA 1625B (Modified) / EPA 625.1		0.0005 - 0.5	0.02 - 100
N-Nitrosodi-n-propylamine	ug/L	ND (EPA 1625B only)	ND	ND	ND	EPA 1625B (Modified) / EPA 625.1		0.0006 - 0.36	0.02 - 20
n-Nitrosodiphenylamine	ug/L	ND (EPA 1625B only)	ND	ND	ND	EPA 1625B (Modified) / EPA 625.1		0.0013 - 0.64	0.1 - 20
PCB-18/30	pg/L		DNO Est. Conc. 120	ND	DNO Est. Conc. 120	EPA 1668C		3.6	430
PCB-20/28	pg/L		DNO Est. Conc. 320	ND	DNO Est. Conc. 320	EPA 1668C		9.7	430
PCB-37	pg/L		DNO Est. Conc. 90	ND	DNO Est. Conc. 90	EPA 1668C		13	220

Pomona Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
PCB-44/47/65	pg/L						2100 (2)					
PCB-49/69	pg/L						DNQ Est. Conc. 140					
PCB-52	pg/L						320 (2)					
PCB-61/70/74/76	pg/L						DNQ Est. Conc. 320 (2)					
PCB-66	pg/L						DNQ Est. Conc. 150					
PCB-77	pg/L						DNQ Est. Conc. 21 (1)					
PCB-81	pg/L						ND					
PCB-86/87/97/108/119	pg/L						DNQ Est. Conc. 230					
PCB-99	pg/L						DNQ Est. Conc. 150					
PCB-101 (Co: 90/101/113)	pg/L						DNQ Est. Conc. 350 (2)					
PCB-105	pg/L						100					
PCB-110/115	pg/L						DNQ Est. Conc. 340 (2)					
PCB-114	pg/L						DNQ Est. Conc. 7.0 (1)					
PCB-118	pg/L						250 (2)					
PCB-123	pg/L						ND					
PCB-126	pg/L						ND					
PCB-128/166	pg/L						DNQ Est. Conc. 27 (2)					
PCB-135/151	pg/L						DNQ Est. Conc. 79					
PCB-138 (Co: 129/138/163)	pg/L						DNQ Est. Conc. 260 (2)					
PCB-147/149	pg/L						DNQ Est. Conc. 170 (2)					
PCB-153/168	pg/L						DNQ Est. Conc. 220 (2)					
PCB-156/157	pg/L						52 (2)					
PCB-158	pg/L						DNQ Est. Conc. 25 (2)					
PCB-167	pg/L						ND					
PCB-169	pg/L						ND					
PCB-170	pg/L						DNQ Est. Conc. 63					
PCB-177	pg/L						DNQ Est. Conc. 37					
PCB-180/193	pg/L						DNQ Est. Conc. 180 (2)					
PCB-183	pg/L						DNQ Est. Conc. 57 (2)					
PCB-187	pg/L						DNQ Est. Conc. 77 (2)					
PCB-189	pg/L						DNQ Est. Conc. 4.2 (1)					
PCB-194	pg/L						DNQ Est. Conc. 45					
PCB-201	pg/L						DNQ Est. Conc. 11					
PCB-206	pg/L						DNQ Est. Conc. 44					
Pentachlorophenol	ug/L						ND					
pH	SU	7.9	7.9	7.8	7.7	7.7	7.6	7.6	7.7	7.6	7.7	7.7
Phenanthrene	ug/L						ND					
Phenol	ug/L						50.0					
Pyrene	ug/L						ND					
Selenium	mg/L	DNQ Est. Conc. 0.00098	DNQ Est. Conc. 0.00091	DNQ Est. Conc. 0.00075	DNQ Est. Conc. 0.00094	DNQ Est. Conc. 0.00098	0.00129	DNQ Est. Conc. 0.00090	DNQ Est. Conc. 0.00075	DNQ Est. Conc. 0.00074	DNQ Est. Conc. 0.00067	DNQ Est. Conc. 0.00055
Silver	ug/L						0.26					
Technical chlordane	ug/L						ND					
Tetrachloroethylene	ug/L						ND					
Thallium	ug/L						ND					
Toluene	ug/L						0.50					
Total chromium	ug/L						2.81					
Total Suspended Solids	mg/L	407	339	298	315	272	260	225	275	331	413	319
Toxaphene	ug/L						ND					
Trichloroethylene	ug/L						ND					
Vinyl chloride	ug/L						ND					
Zinc	ug/L						157					

Pomona Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	December	Minimum	Average	Maximum	Method	ML	MDL	RL
PCB-44/47/65	pg/L		2100 (2)	2100 (2)	2100 (2)	EPA 1668C		23	650
PCB-49/69	pg/L		DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668C		21	430
PCB-52	pg/L		320 (2)	320 (2)	320 (2)	EPA 1668C		23	220
PCB-61/70/74/76	pg/L		DNQ Est. Conc. 320 (2)	ND (2)	DNQ Est. Conc. 320 (2)	EPA 1668C		5.5	870
PCB-66	pg/L		DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		5.3	220
PCB-77	pg/L		DNQ Est. Conc. 21 (1)	ND (1)	DNQ Est. Conc. 21 (1)	EPA 1668C		6.7	22
PCB-81	pg/L		ND	ND	ND	EPA 1668C		6.9	22
PCB-86/87/97/108/119	pg/L		DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668C		6	1,300
PCB-99	pg/L		DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		5.9	220
PCB-101 (Co: 90/101/113)	pg/L		DNQ Est. Conc. 350 (2)	ND (2)	DNQ Est. Conc. 350 (2)	EPA 1668C		6.3	650
PCB-105	pg/L		100	100	100	EPA 1668C		5.8	22
PCB-110/115	pg/L		DNQ Est. Conc. 340 (2)	ND (2)	DNQ Est. Conc. 340 (2)	EPA 1668C		5.2	430
PCB-114	pg/L		DNQ Est. Conc. 7.0 (1)	ND (1)	DNQ Est. Conc. 7.0 (1)	EPA 1668C		5.9	22
PCB-118	pg/L		250 (2)	250 (2)	250 (2)	EPA 1668C		5.6	22
PCB-123	pg/L		ND	ND	ND	EPA 1668C		6.4	22
PCB-126	pg/L		ND	ND	ND	EPA 1668C		7.5	22
PCB-128/166	pg/L		DNQ Est. Conc. 27 (2)	ND (2)	DNQ Est. Conc. 27 (2)	EPA 1668C		3.6	430
PCB-135/151	pg/L		DNQ Est. Conc. 79	ND	DNQ Est. Conc. 79	EPA 1668C		3.9	430
PCB-138 (Co: 129/138/163)	pg/L		DNQ Est. Conc. 260 (2)	ND (2)	DNQ Est. Conc. 260 (2)	EPA 1668C		3.9	650
PCB-147/149	pg/L		DNQ Est. Conc. 170 (2)	ND (2)	DNQ Est. Conc. 170 (2)	EPA 1668C		3.7	430
PCB-153/168	pg/L		DNQ Est. Conc. 220 (2)	ND (2)	DNQ Est. Conc. 220 (2)	EPA 1668C		3.2	430
PCB-156/157	pg/L		52 (2)	52 (2)	52 (2)	EPA 1668C		12	43
PCB-158	pg/L		DNQ Est. Conc. 25 (2)	ND (2)	DNQ Est. Conc. 25 (2)	EPA 1668C		2.9	220
PCB-167	pg/L		ND	ND	ND	EPA 1668C		8.8	22
PCB-169	pg/L		ND	ND	ND	EPA 1668C		10	22
PCB-170	pg/L		DNQ Est. Conc. 63	ND	DNQ Est. Conc. 63	EPA 1668C		3.1	220
PCB-177	pg/L		DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37	EPA 1668C		2.8	220
PCB-180/193	pg/L		DNQ Est. Conc. 180 (2)	ND (2)	DNQ Est. Conc. 180 (2)	EPA 1668C		2.4	430
PCB-183	pg/L		DNQ Est. Conc. 57 (2)	ND (2)	DNQ Est. Conc. 57 (2)	EPA 1668C		2.3	220
PCB-187	pg/L		DNQ Est. Conc. 77 (2)	ND (2)	DNQ Est. Conc. 77 (2)	EPA 1668C		1.4	220
PCB-189	pg/L		DNQ Est. Conc. 4.2 (1)	ND (1)	DNQ Est. Conc. 4.2 (1)	EPA 1668C		1.8	22
PCB-194	pg/L		DNQ Est. Conc. 45	ND	DNQ Est. Conc. 45	EPA 1668C		1.3	220
PCB-201	pg/L		DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668C		0.91	220
PCB-206	pg/L		DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44	EPA 1668C		3.4	220
Pentachlorophenol	ug/L	ND	ND	ND	ND	EPA 625.1		0.82	10 - 20
pH	SU	7.6	7.6	7.7	7.9	SM 4500 H+ B		1	1
Phenanthrene	ug/L	ND	ND	ND	ND	EPA 625.1		0.59	10 - 20
Phenol	ug/L	19.2	19.2	34.6	50.0	EPA 625.1		0.24	10 - 20
Pyrene	ug/L	ND	ND	ND	ND	EPA 625.1		0.6	10 - 20
Selenium	mg/L	DNQ Est. Conc. 0.00080	DNQ Est. Conc. 0.00055	0.00011	0.00129	EPA 200.8	0.002	0.00002	0.00100
Silver	ug/L	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.17	0.13	0.26	EPA 200.8	0.25	0.02	0.2
Technical chlordane	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.1	0.02 - 0.04	0.5
Tetrachloroethylene	ug/L	ND	ND	ND	ND	EPA 624.1		0.18	0.5
Thallium	ug/L	ND	ND	ND	ND	EPA 200.8	1	0.01	0.25
Toluene	ug/L	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.31	0.25	0.50	EPA 624.1		0.15	0.5
Total chromium	ug/L	2.86	2.81	2.84	2.86	EPA 200.8	0.5	0.1	0.5
Total Suspended Solids	mg/L	320	225	314	413	SM 2540D		2.5	62.5 - 83.3
Toxaphene	ug/L	ND	ND	ND	ND	EPA 608.3/8081/8082	0.5	0.05 - 0.3	5
Trichloroethylene	ug/L	ND	ND	ND	ND	EPA 624.1		0.15	0.5
Vinyl chloride	ug/L	ND	ND	ND	ND	EPA 624.1		0.25	0.5
Zinc	ug/L	133	133	145	157	EPA 200.8	1	0.7	1

(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.

# Pomona WRP Effluent Monitoring

Pomona Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND	
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND	
1,1-Dichloroethylene	ug/L		ND		ND		ND		ND		ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L						ND					
1,2,3,4,6,7,8-HeptaCDF	pg/L						ND					
1,2,3,4,7,8,9-HeptaCDF	pg/L						ND					
1,2,3,4,7,8-HexaCDD	pg/L						ND					
1,2,3,4,7,8-HexaCDF	pg/L						ND					
1,2,3,6,7,8-HexaCDD	pg/L						ND					
1,2,3,6,7,8-HexaCDF	pg/L						ND					
1,2,3,7,8,9-HexaCDD	pg/L						ND					
1,2,3,7,8,9-HexaCDF	pg/L						ND					
1,2,3,7,8-PentaCDD	pg/L						ND					
1,2,3,7,8-PentaCDF	pg/L						ND					
1,2,3-Trichloropropane	ug/L						ND			ND		
1,2,4-Trichlorobenzene	ug/L				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	
1,3-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						1.2					
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					
2,4,6-Trichlorophenol	ug/L		ND		ND		ND		ND		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					
2,6-Dinitrotoluene	ug/L						ND					
2-Chloroethyvinyl 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					
3,3'-Dichlorobenzidine	ug/L						ND					
3-Methyl-4-chlorophenol	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	
4-Bromophenyl phenyl ether	ug/L						ND					
4-Chlorophenyl phenyl ether	ug/L						ND					
4-Nitrophenol	ug/L						ND					
Acenaphthene	ug/L						ND					
Acenaphthylene	ug/L						ND					
Acrolein	ug/L		ND				ND		ND			
Acrylonitrile	ug/L		ND				ND		ND			
Aldrin	ug/L		ND		ND		ND		ND		ND	
alpha-BHC	ug/L		ND		ND		ND		ND		ND	
alpha-Endosulfan	ug/L						ND					
Ammonia nitrogen	mg/L	1.35	2.04	1.48	1.18	1.74	1.51	1.41	1.30	1.52	1.52	1.52
Anthracene	ug/L						ND					
Antimony	ug/L		DNO Est. Conc. 0.48				0.50		0.50			
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		DNO Est. Conc. 0.65				DNO Est. Conc. 0.82		1.18			
Benzene	ug/L		ND		ND		ND		ND		ND	

Pomona Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	December	Minimum	Average	Maximum	NPDES Limit		Method	ML	MDL	RL
						Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND			EPA 624.1		0.16	0.5
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND			EPA 624.1		0.21	0.5
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND			EPA 624.1		0.13	0.5
1,1-Dichloroethane	ug/L	ND	ND	ND	ND			EPA 624.1		0.08	0.5
1,1-Dichloroethylene	ug/L	ND	ND	ND	ND			EPA 624.1		0.21	0.5
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.35 - 0.49	54
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.34 - 0.35	54
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		0.39	54
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.33 - 0.4	54
1,2,3,4,7,8-HexaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		0.29 - 0.4	54
1,2,3,6,7,8-HexaCDD	pg/L	ND	ND	ND	ND			EPA 1613B		0.31 - 0.4	54
1,2,3,6,7,8-HexaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		0.27 - 0.37	54
1,2,3,7,8,9-HexaCDD	pg/L	ND	ND	ND	ND			EPA 1613B		0.3 - 0.38	54
1,2,3,7,8,9-HexaCDF	pg/L	ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.25 - 0.36	54
1,2,3,7,8-PentaCDD	pg/L	ND	ND	ND	ND			EPA 1613B		0.58 - 1.1	54
1,2,3,7,8-PentaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		0.35 - 0.57	54
1,2,3-Trichloropropane	ug/L	ND	ND	ND	ND			EPA 524.2 (TCP) & SRL 524M-TCP		0.0012 - 0.012	0.005 - 0.05
1,2,4-Trichlorobenzene	ug/L	ND	ND	ND	ND			EPA 625.1		0.51	1
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND			EPA 624.1		0.15	0.5
1,2-Dichloroethane	ug/L	ND	ND	ND	ND			EPA 624.1		0.22	0.5
1,2-Dichloropropane	ug/L	ND	ND	ND	ND			EPA 624.1		0.14	0.5
1,2-Diphenylhydrazine	ug/L	ND	ND	ND	ND			EPA 625.1		0.63	1
1,2-trans-Dichloroethylene	ug/L	ND	ND	ND	ND			EPA 624.1		0.06	0.5
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND			EPA 624.1		0.15	0.5
1,3-Dichloropropane	ug/L	ND	ND	ND	ND			Calculated			
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND			EPA 624.1		0.25	0.5
1,4-Dioxane	ug/L	0.99	0.99	1.1	1.2			SW-846 8270MOD 1,4-Dioxane		0.26	0.4
2,3,4,6,7,8-HexaCDF	pg/L	ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.25 - 0.31	54
2,3,4,7,8-PentaCDF	pg/L	ND	ND	ND	ND			EPA 1613B		0.36 - 0.61	54
2,3,7,8-TCDD	pg/L	ND	ND	ND	ND			EPA 1613B		0.71 - 2.1	10 - 11
2,3,7,8-TetraCDF	pg/L	ND	ND	ND	ND			EPA 1613B		0.31 - 0.73	11
2,4,6-Trichlorophenol	ug/L	ND	ND	ND	ND			EPA 625.1		0.64	1
2,4-Dichlorophenol	ug/L	ND	ND	ND	ND			EPA 625.1		0.6	1
2,4-Dimethylphenol	ug/L	ND	ND	ND	ND			EPA 625.1		0.44	1
2,4-Dinitrophenol	ug/L	ND	ND	ND	ND			EPA 625.1		1.5	5
2,4-Dinitrotoluene	ug/L	ND	ND	ND	ND			EPA 625.1		0.37	1
2,6-Dinitrotoluene	ug/L	ND	ND	ND	ND			EPA 625.1		0.5	1
2-Chloroethylvinyl ether	ug/L	ND	ND	ND	ND			EPA 624.1		0.28	0.5
2-Chloronaphthalene	ug/L	ND	ND	ND	ND			EPA 625.1		0.41	1
2-Chlorophenol	ug/L	ND	ND	ND	ND			EPA 625.1		0.41	1
2-Methyl-4,6-dinitrophenol	ug/L	ND	ND	ND	ND			EPA 625.1		1.3	5
2-Nitrophenol	ug/L	ND	ND	ND	ND			EPA 625.1		0.31	1
3,3'-Dichlorobenzidine	ug/L	ND	ND	ND	ND			EPA 625.1		0.54	1
3-Methyl-4-chlorophenol	ug/L	ND	ND	ND	ND			EPA 625.1		0.69	1
4,4-DDD	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.05	0.003 - 0.005	0.01
4,4-DDE	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.05	0.002 - 0.004	0.01
4,4-DDT	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.01	0.001 - 0.004	0.01
4-Bromophenyl phenyl ether	ug/L	ND	ND	ND	ND			EPA 625.1		0.58	1
4-Chlorophenyl phenyl ether	ug/L	ND	ND	ND	ND			EPA 625.1		0.63	1
4-Nitrophenol	ug/L	ND	ND	ND	ND			EPA 625.1		1.6	5
Acenaphthene	ug/L	ND	ND	ND	ND			EPA 625.1		0.5	1
Acenaphthylene	ug/L	ND	ND	ND	ND			EPA 625.1		0.5	1
Acrolein	ug/L	ND	ND	ND	ND			EPA 624.1		0.64	2
Acrylonitrile	ug/L	ND	ND	ND	ND			EPA 624.1		0.64	2
Aldrin	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.005	0.002 - 0.003	0.005
alpha-BHC	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.01	0.001 - 0.003	0.01
alpha-Endosulfan	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.02	0.003 - 0.004	0.01
Ammonia nitrogen	mg/L	1.84	1.18	1.53	2.04	6.6	3.2	SM 4500 NH3 G		0.02 - 0.05	0.1 - 0.2
Anthracene	ug/L	ND	ND	ND	ND			EPA 625.1		0.56	1
Antimony	ug/L	0.53	DNQ Est. Conc. 0.48	0.38	0.53			EPA 200.8	0.5	0.07	0.5
Aroclor 1016	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.5	0.02 - 0.1	0.1 - 0.5
Aroclor 1221	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.5	0.08 - 0.1	0.5
Aroclor 1232	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.5	0.08 - 0.1	0.3 - 0.5
Aroclor 1242	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1248	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1254	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1260	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.5	0.08 - 0.1	0.1 - 0.5
Arsenic	ug/L	1.00	DNQ Est. Conc. 0.65	0.54	1.18			EPA 200.8	2	0.06	1
Benzene	ug/L	ND	ND	ND	ND			EPA 624.1		0.09	0.5



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Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
Benzidine	ug/L						ND					
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					
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	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.28	0.25	0.28	0.23	0.28	0.26	0.28	0.29	0.29	0.29	0.29
Bromodichloromethane	ug/L	8.7	12.7	8.6	13.3	14.0	6.2	13.5	11.9	6.6	12.1	4.9
Bromoform	ug/L	DNO Est. Conc. 0.23	ND	DNO Est. Conc. 0.19	ND	DNO Est. Conc. 0.36	ND	ND	DNO Est. Conc. 0.26	ND	ND	ND
Butyl benzyl phthalate	ug/L						ND					
Cadmium	ug/L		ND				ND		ND			
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND	
Chloride	mg/L	129	129	126	119	126	135	129	128	127	135	132
Chlorobenzene	ug/L		ND		ND		ND		ND		ND	
Chloroethane	ug/L		ND		ND		ND		ND		ND	
Chloroform	ug/L	22.5	22.8	20.4	36.4	26.8	17.4	30.1	28.0	19.6	26.2	13.6
Chlorpyrifos	ug/L						ND					
Chromium III	ug/L						0.78					
Chromium VI	ug/L		0.06				0.06		0.10			
Chrysene	ug/L						ND					
Copper	ug/L		5.26				6.65		5.11			
Cyanide	ug/L		DNO Est. Conc. 3.0				DNO Est. Conc. 2.9		DNO Est. Conc. 1.55			
delta-BHC	ug/L		ND		ND		ND		ND		ND	
Diazinon	ug/L						ND					
Dibenzo(a,h)anthracene	ug/L						ND					
Dibromochloromethane	ug/L	1.3	2.3	1.5	2.5	2.9	0.97	2.8	2.6	1.2	2.8	0.63
Dieldrin	ug/L		ND		ND		DNO Est. Conc. 0.008		ND		ND	
Diethyl phthalate	ug/L						ND					
Dimethyl phthalate	ug/L						ND					
Di-n-butyl phthalate	ug/L						ND					
Di-n-octyl phthalate	ug/L						ND					
Dissolved oxygen	mg/L	5.6	5.6	5.8	5.6	5.8	5.0	5.1	4.6	5.8	5.6	5.2
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L						ND					
Endrin	ug/L		ND		ND		ND		ND		ND	
Endrin aldehyde	ug/L						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		0.272		0.222		0.237		0.275		0.292	
gamma-BHC	ug/L		ND		ND		ND		ND		ND	
Gross alpha radioactivity	pCi/L		5.67				2.23		-1.65			
Gross beta radioactivity	pCi/L		14.3				10.6		8.21			
Heptachlor	ug/L		ND		ND		ND		ND		ND	
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND	
Hexachlorobenzene	ug/L		ND (EPA 508.1 only)				ND / ND		DNO Est. Conc. 0.013 (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		48.0				25.3		20.5			
Isophorone	ug/L						ND					
Lead	ug/L	DNO Est. Conc. 0.17	0.31	0.40	0.97	0.32	0.45	0.28	0.35	0.35	DNO Est. Conc. 0.24	0.27
Mercury	ug/L		0.0020				0.0021		0.0051			
Methyl bromide (Bromomethane)	ug/L				ND		ND		ND		ND	
Methyl chloride (Chloromethane)	ug/L				ND		ND		ND		ND	
Methyl tert-butyl ether	ug/L				ND		ND		ND			
Methylene chloride	ug/L		ND		ND		ND		ND		ND	
Naphthalene	ug/L						ND					

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Parameter	Units	December	Minimum	Average	Maximum	NPDES Limit		Method	ML	MDL	RL
						Max Daily	Monthly Average				
Benzidine	ug/L	ND	ND	ND	ND			EPA 625.1		0.77	5
Benzo(a)anthracene	ug/L	ND	ND	ND	ND			EPA 625.1		0.46	1
Benzo(a)pyrene	ug/L	ND / ND	ND / ND	ND / ND	ND / ND			EPA 525.2 / EPA 610	10	0.013 - 0.2	0.02 - 1
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND			EPA 610	10	0.015	0.02
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	ND			EPA 625.1		0.52	1
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND			EPA 610	10	0.014	0.02
Beryllium	ug/L	ND	ND	ND	ND			EPA 200.8	0.5	0.02	0.25
beta-BHC	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.005	0.003	0.005
beta-Endosulfan	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.01	0.003 - 0.004	0.01
Bis(2-chloroethoxy)methane	ug/L	ND	ND	ND	ND			EPA 625.1		0.28	1
bis(2-Chloroethyl) ether	ug/L	ND	ND	ND	ND			EPA 625.1		0.27	1
bis(2-Chloroisopropyl) ether	ug/L	ND	ND	ND	ND			EPA 625.1		0.25	1
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND			EPA 625.1		0.55	1
BOD	mg/L	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.26	0.23	0.27	0.29		1	EPA 200.8		0.017	0.02
Bromodichloromethane	ug/L	8.0	4.9	10	14.0			EPA 624.1		0.11	0.5
Bromoform	ug/L	DNQ Est. Conc. 0.20	ND	ND	DNQ Est. Conc. 0.36			EPA 624.1		0.18	0.5
Butyl benzyl phthalate	ug/L	ND	ND	ND	ND			EPA 625.1		0.58	1
Cadmium	ug/L	DNQ Est. Conc. 0.068	ND	ND	DNQ Est. Conc. 0.068			EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L	ND	ND	ND	ND			EPA 624.1		0.18	0.5
Chloride	mg/L	136	119	129	136		180	EPA 300.0		0.12 - 0.14	4 - 20
Chlorobenzene	ug/L	ND	ND	ND	ND			EPA 624.1		0.1	0.5
Chloroethane	ug/L	ND	ND	ND	ND			EPA 624.1		0.31	0.5
Chloroform	ug/L	19.8	13.6	23.6	36.4			EPA 624.1		0.08	0.5
Chlorpyrifos	ug/L	ND	ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L	0.91	0.78	0.84	0.91			Calculated			
Chromium VI	ug/L	0.08	0.06	0.08	0.10			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chrysene	ug/L	ND	ND	ND	ND			EPA 610	10	0.014	0.02
Copper	ug/L	5.82	5.11	5.71	6.65			EPA 200.8	0.5	0.05	0.5
Cyanide	ug/L	DNQ Est. Conc. 3.21	DNQ Est. Conc. 0.0029	ND	DNQ Est. Conc. 3.21			SM 4500 CN E	5	1	5
delta-BHC	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.005	0.003 - 0.004	0.005
Diazinon	ug/L	ND	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	0.02
Dibromochloromethane	ug/L	1.6	0.63	1.9	2.9			EPA 624.1		0.11	0.5
Dieldrin	ug/L	ND	ND	ND	ND			DNQ Est. Conc. 0.008	0.01	0.0009 - 0.003	0.01
Diethyl phthalate	ug/L	DNQ Est. Conc. 0.54	ND	ND	DNQ Est. Conc. 0.54			EPA 625.1		0.42	1
Dimethyl phthalate	ug/L	ND	ND	ND	ND			EPA 625.1		0.41	1
Di-n-butyl phthalate	ug/L	ND	ND	ND	ND			EPA 625.1		0.59	1
Di-n-octyl phthalate	ug/L	ND	ND	ND	ND			EPA 625.1		0.69	1
Dissolved oxygen	mg/L	5.2	4.6	5.4	5.8			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND			SM 9223 Quanti-Tray			1
Endosulfan sulfate	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.05	0.004 - 0.02	0.01 - 0.04
Endrin	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.01	0.001 - 0.004	0.01
Endrin aldehyde	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.01	0.003 - 0.006	0.01
Ethylbenzene	ug/L	ND	ND	ND	ND			EPA 624.1		0.15	0.5
Fecal coliform	No./100mL	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L	ND	ND	ND	ND			EPA 625.1		0.69	1
Fluorene	ug/L	ND	ND	ND	ND			EPA 625.1		0.58	1
Fluoride	mg/L	0.271	0.222	0.262	0.292			SM 4500 F C		0.016 - 0.04	0.1
gamma-BHC	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.02	0.002 - 0.003	0.01
Gross alpha radioactivity	pCi/L	2.71	-1.65	2.24	5.67			EPA 900.0		2.82 - 5.38	3
Gross beta radioactivity	pCi/L	9.57	8.21	10.7	14.3			EPA 900.0		1.6 - 2.78	4
Heptachlor	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.01	0.002 - 0.005	0.01
Heptachlor epoxide	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.01	0.003 - 0.005	0.01
Hexachlorobenzene	ug/L	ND / ND	ND / ND	ND / ND	DNQ Est. Conc. 0.013 / ND			EPA 508.1 / EPA 625.1		0.009 - 0.47	0.25 - 1
Hexachlorobutadiene	ug/L	ND	ND	ND	ND			EPA 625.1		0.96	1
Hexachlorocyclopentadiene	ug/L	ND / ND	ND / ND	ND / ND	ND / ND			EPA 508.1 / EPA 625.1		0.03 - 2	0.25 - 5
Hexachloroethane	ug/L	ND	ND	ND	ND			EPA 625.1		0.81	1
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND			EPA 610	10	0.013	0.02
Iron	ug/L	23.0	20.5	29.2	48.0			EPA 200.8		3.2	20
Isophorone	ug/L	ND	ND	ND	ND			EPA 625.1		0.28	1
Lead	ug/L	0.34	DNQ Est. Conc. 0.17	0.34	0.97	166 (2)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0039	0.0020	0.0033	0.0051			EPA 1631E		0.000047	0.00050
Methyl bromide (Bromomethane)	ug/L	ND	ND	ND	ND			EPA 624.1		0.3	0.5
Methyl chloride (Chloromethane)	ug/L	ND	ND	ND	ND			EPA 624.1		0.41	0.5
Methyl tert-butyl ether	ug/L	ND	ND	ND	ND			EPA 624.1		0.08	0.5
Methylene chloride	ug/L	ND	ND	ND	ND			EPA 624.1		0.46	0.5
Naphthalene	ug/L	ND	ND	ND	ND			EPA 625.1		0.2	1

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Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
Nickel	ug/L		1.62				2.25		1.24			
Nitrate + nitrite as nitrogen	mg/L	6.88	4.04	5.19	7.66	7.40	7.15	7.40	6.83	4.67	5.72	6.83
Nitrate as nitrogen	mg/L	6.82	3.84	5.07	7.44	7.16	7.01	7.36	6.79	4.61	5.66	6.78
Nitrite as nitrogen	mg/L	0.058	0.198	0.119	0.22	0.238	0.136	0.037	0.037	0.062	0.056	0.046
Nitrobenzene	ug/L						ND					
n-Nitrosodimethylamine (NDMA)	ug/L	0.11	0.083	0.65	0.15	0.041	0.061	0.049	0.074	0.070	0.046	0.045
N-Nitrosodi-n-propylamine	ug/L						ND / ND					
n-Nitrosodiphenylamine	ug/L						DNO Est. Conc. 0.028 / ND					
OctaCDD	pg/L						ND (1)					
OctaCDF	pg/L						ND					
Oil and grease	mg/L		ND				ND		DNO Est. Conc. 1.8			
Organic nitrogen	mg/L	2.50	1.98	1.84	1.67	1.68	1.74	1.82	0.840	1.66	1.93	1.74
Orthophosphate-P	mg/L		0.346				0.864		1.20			
PCB-18/30	pg/L						DNO Est. Conc. 18					
PCB-20/28	pg/L						DNO Est. Conc. 23					
PCB-37	pg/L						ND					
PCB-44/71/65	pg/L						ND (1)					
PCB-49/69	pg/L						DNO Est. Conc. 5.5					
PCB-52	pg/L						ND (1)					
PCB-61/70/147/6	pg/L						DNO Est. Conc. 16 (1)					
PCB-66	pg/L						DNO Est. Conc. 5.0 (3)					
PCB-77	pg/L						DNO Est. Conc. 5.2					
PCB-81	pg/L						ND					
PCB-86/87/97/108/119	pg/L						DNO Est. Conc. 6.5 (3)					
PCB-99	pg/L						DNO Est. Conc. 3.8					
PCB-101 (Co: 90/101/113)	pg/L						ND (1)					
PCB-105	pg/L						DNO Est. Conc. 2.9 (3)					
PCB-110/115	pg/L						ND (1)					
PCB-114	pg/L						ND					
PCB-118	pg/L						ND (1)					
PCB-123	pg/L						ND					
PCB-126	pg/L						ND					
PCB-128/166	pg/L						ND					
PCB-135/151	pg/L						ND					
PCB-138 (Co: 129/138/163)	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-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-180/193	pg/L						ND (1)					
PCB-183	pg/L						ND (1)					
PCB-187	pg/L						ND					
PCB-189	pg/L						ND					
PCB-194	pg/L						ND					
PCB-201	pg/L						ND					
PCB-206	pg/L						ND					
PCBs as Aroclors	ug/L		ND		ND		ND		ND		ND	
PCBs as Congeners	pg/L						ND					
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND	
Perchlorate	ug/L	0.16	0.054	ND	0.29	0.52	0.057	0.073	0.72	0.79	0.065	0.8
pH	SU	7.5		7.4		7.4		7.4	7.5	7.5	7.6	7.4
Phenanthrene	ug/L		ND		ND		ND		ND		ND	
Phenol	ug/L		DNO Est. Conc. 0.28		ND		ND		ND		DNO Est. Conc. 0.36	
Pyrene	ug/L						ND					
Radium-226 + radium-228	pCi/L		0.16				0.048		0.35			
Selenium	ug/L	DNO Est. Conc. 0.33	DNO Est. Conc. 0.33	DNO Est. Conc. 0.28	DNO Est. Conc. 0.29	DNO Est. Conc. 0.32	DNO Est. Conc. 0.37	DNO Est. Conc. 0.39	DNO Est. Conc. 0.30	DNO Est. Conc. 0.23	DNO Est. Conc. 0.22	DNO Est. Conc. 0.28
Settleable Solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		DNO Est. Conc. 0.02				ND		ND			
Strontium-90	pCi/L		-0.179				-0.0525		-0.101			
Sulfate	mg/L	66.0	61.9	61.9	59.1	62.6	65.6	76.2	81.0	80.1	77.5	79.9
Surfactant (CTAS)	mg/L		ND				ND		ND			
Surfactant (MBAS)	mg/L		ND		ND		ND		DNO Est. Conc. 0.03		DNO Est. Conc. 0.04	
Technical chlordane	ug/L		ND				ND		ND			
Temperature	Degrees F	70.7	71.4	72.4	73.2	76.9	80.6	83.1	83.6	84.4	82.9	78.4
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND	

Pomona Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	December	Minimum	Average	Maximum	NPDES Limit		Method	ML	MDL	RL
						Max Daily	Monthly Average				
Nickel	ug/L	1.66	1.24	1.69	2.25			EPA 200.8	1	0.07	1
Nitrate + nitrite as nitrogen	mg/L	6.19	4.04	6.33	7.66		8	SM 4500 NO3 F		0.03 - 0.097	0.2
Nitrate as nitrogen	mg/L	6.09	3.84	6.22	7.44			Calculated			
Nitrite as nitrogen	mg/L	0.096	0.037	0.11	0.238		1	SM 4500 NO3 F		0.003 - 0.012	0.03
Nitrobenzene	ug/L	ND	ND	ND	ND			EPA 625.1		0.31	1
n-Nitrosodimethylamine (NDMA)	ug/L	0.057	0.041	0.12	0.65			EPA 1625B (Modified)		0.0005	0.01
N-Nitrosodi-n-propylamine	ug/L	ND (EPA 1625B only)	ND / ND	ND / ND	ND / ND			EPA 1625B (Modified) / EPA 625.1		0.0006 - 0.36	0.01 - 1
n-Nitrosodiphenylamine	ug/L	ND (EPA 1625B only)	DNQ Est. Conc. 0.028 / ND	ND	DNQ Est. Conc. 0.028 / ND			EPA 1625B (Modified) / EPA 625.1		0.0013 - 0.64	0.05 - 1
OctaCDD	pg/L	ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.31 - 0.43	110
OctaCDF	pg/L	ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.54 - 1.2	110
Oil and grease	mg/L	ND	ND	ND	DNQ Est. Conc. 1.8	15	10	EPA 1664A		1.4	4.2 - 5.4
Organic nitrogen	mg/L	2.11	0.840	1.79	2.50			Calculated			
Orthophosphate-P	mg/L	0.923	0.346	0.833	1.20			EPA 365.1		0.006 - 0.01	0.03
PCB-18/30	pg/L		DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18			EPA 1668C		2.2	430
PCB-20/28	pg/L		DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23			EPA 1668C		2.7	430
PCB-37	pg/L		ND	ND	ND			EPA 1668C		3.2	220
PCB-44/47/65	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		1.8	650
PCB-49/69	pg/L		DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 5.5			EPA 1668C		1.6	430
PCB-52	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		1.8	220
PCB-61/70/74/76	pg/L		DNQ Est. Conc. 16 (1)	ND (1)	DNQ Est. Conc. 16 (1)			EPA 1668C		1.4	870
PCB-66	pg/L		DNQ Est. Conc. 5.0 (3)	ND (3)	DNQ Est. Conc. 5.0 (3)			EPA 1668C		1.4	220
PCB-77	pg/L		DNQ Est. Conc. 5.2	ND	DNQ Est. Conc. 5.2			EPA 1668C		2	22
PCB-81	pg/L		ND	ND	ND			EPA 1668C		2.1	22
PCB-86/87/97/108/119	pg/L		DNQ Est. Conc. 6.5 (3)	ND (3)	DNQ Est. Conc. 6.5 (3)			EPA 1668C		1.1	1,300
PCB-99	pg/L		DNQ Est. Conc. 3.8	ND	DNQ Est. Conc. 3.8			EPA 1668C		1.1	220
PCB-101 (Co: 90/101/113)	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		1.2	650
PCB-105	pg/L		DNQ Est. Conc. 2.9 (3)	ND (3)	DNQ Est. Conc. 2.9 (3)			EPA 1668C		1.1	22
PCB-110/115	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		0.98	430
PCB-114	pg/L		ND	ND	ND			EPA 1668C		1.2	22
PCB-118	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		1.1	22
PCB-123	pg/L		ND	ND	ND			EPA 1668C		1.2	22
PCB-126	pg/L		ND	ND	ND			EPA 1668C		1.3	22
PCB-128/166	pg/L		ND	ND	ND			EPA 1668C		0.98	430
PCB-135/151	pg/L		ND	ND	ND			EPA 1668C		1.1	430
PCB-138 (Co: 129/138/163)	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		1	650
PCB-147/149	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		1	430
PCB-153/168	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		0.85	430
PCB-156/157	pg/L		ND	ND	ND			EPA 1668C		1.2	43
PCB-158	pg/L		ND	ND	ND			EPA 1668C		0.77	220
PCB-167	pg/L		ND	ND	ND			EPA 1668C		0.88	22
PCB-169	pg/L		ND	ND	ND			EPA 1668C		0.96	22
PCB-170	pg/L		ND	ND	ND			EPA 1668C		1.1	220
PCB-177	pg/L		ND	ND	ND			EPA 1668C		0.93	220
PCB-180/193	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		0.8	430
PCB-183	pg/L		ND (1)	ND (1)	ND (1)			EPA 1668C		0.79	220
PCB-187	pg/L		ND	ND	ND			EPA 1668C		0.82	220
PCB-189	pg/L		ND	ND	ND			EPA 1668C		0.85	22
PCB-194	pg/L		ND	ND	ND			EPA 1668C		0.75	220
PCB-201	pg/L		ND	ND	ND			EPA 1668C		0.61	220
PCB-206	pg/L		ND	ND	ND			EPA 1668C		2.2	220
PCBs as Aroclors	ug/L	ND	ND	ND	ND			Calculated			
PCBs as Congeners	pg/L		ND	ND	ND			Calculated			
Pentachlorophenol	ug/L	ND	ND	ND	ND			EPA 625.1		0.82	1
Perchlorate	ug/L	0.36	ND	0.3	0.8			EPA 331.0		0.0201	0.05
pH	SU	7.5	7.3	7.4	7.6			SM 4500 H+ B		1	1
Phenanthrene	ug/L	ND	ND	ND	ND			EPA 625.1		0.59	1
Phenol	ug/L	ND	ND	ND	DNQ Est. Conc. 0.36			EPA 625.1		0.24	1
Pyrene	ug/L	ND	ND	ND	ND			EPA 625.1		0.6	1
Radium-226 + radium-228	pCi/L		0.048	0.16	0.35			Drinking H2O Radium Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.22	ND	DNQ Est. Conc. 0.39	6.2 (4)	4.7 (4)	EPA 200.8	2	0.02	1
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. 0.02			EPA 200.8	0.25	0.02	0.2
Strontium-90	pCi/L	-0.149	-0.179	-0.120	-0.0525			EPA 905.0		0.292 - 0.688	3
Sulfate	mg/L	74.6	59.1	70.5	81.0		300	EPA 300.0		0.11 - 0.14	1 - 5
Surfactant (CTAS)	mg/L	ND	ND	ND	ND			SM 5540D		0.06 - 0.1	0.1
Surfactant (MBAS)	mg/L	DNQ Est. Conc. 0.06	ND	ND	DNQ Est. Conc. 0.06		0.5	SM 5540C		0.017 - 0.03	0.1
Technical chlordane	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.1	0.02 - 0.04	0.05
Temperature	Degrees F	73.8	70.7	77.6	84.4	86 (5)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L	ND	ND	ND	ND			EPA 624.1		0.18	0.5

Pomona Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November
Thallium	ug/L		ND				ND		ND			
Toluene	ug/L		DNO Est. Conc. 0.22		ND		ND		ND		ND	
Total chromium	ug/L		0.96				0.84		1.14			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	513	528	546	522	520	580	558	580	535	593	567
Total hardness	mg/L	198	206	210	192	202	211	196	221	206	198	195
Total Kjeldahl Nitrogen (TKN)	mg/L	3.85	4.02	3.32	2.85	3.42	3.25	3.22	2.14	3.18	3.45	3.26
Total nitrogen	mg/L	10.7	8.06	8.52	11.2	10.8	10.4	10.6	8.97	7.84	9.17	10.1
Total phosphorus	mg/L		0.444				0.939		1.31			
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	32.5	37.8	30.5	52.2	43.7	24.6	46.4	42.5	27.4	41.1	19.1
Toxaphene	ug/L		ND		ND		ND		ND		ND	
Toxic equivalence	pg/L						ND					
Trichloroethylene	ug/L		ND		ND		ND		ND		ND	
Tritium	pCi/L		-176				106		-127			
Turbidity (flow proportioned avg daily value)	NTU	0.61	0.60	0.65	0.50	0.50	0.65	DNO Est. Conc. 0.45	0.50	DNO Est. Conc. 0.40	0.55	0.88
Uranium	pCi/L		0.527				0.497		0.675			
Vinyl chloride	ug/L		ND		ND		ND		ND		ND	
Zinc	ug/L		72.3				70.3		63.9			

Pomona Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	December	Minimum	Average	Maximum	NPDES Limit		Method	ML	MDL	RL
						Max Daily	Monthly Average				
Thallium	ug/L	ND	ND	ND	ND			EPA 200.8	1	0.01	0.25
Toluene	ug/L	ND	ND	ND	DNO Est. Conc. 0.22			EPA 624.1		0.15	0.5
Total chromium	ug/L	0.98	0.84	0.98	1.14			EPA 200.8	0.5	0.1	0.5
Total coliform	No./100mL	ND	ND	ND	ND	(6)	(6)	SM 9222B			1
Total dissolved solids	mg/L	525	513	547	593		750	SM 2540C		2.7	45.5 - 125
Total hardness	mg/L	202	192	203	221			Calculated			
Total Kjeldahl Nitrogen (TKN)	mg/L	3.95	2.14	3.32	4.02			EPA 351.2		0.12 - 0.17	0.2 - 0.5
Total nitrogen	mg/L	10.1	7.84	9.70	11.2			Total Nitrogen Calculation			
Total phosphorus	mg/L	0.965	0.444	0.914	1.31			EPA 365.1		0.014 - 0.026	0.03
Total residual chlorine	mg/L	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.1
Total Suspended Solids	mg/L	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	29.4	19.1	35.6	52.2		80	Calculated			
Toxaphene	ug/L	ND	ND	ND	ND			EPA 608.3/8081/8082	0.5	0.05 - 0.3	0.5
Toxic equivalence	pg/L	ND	ND	ND	ND			Calculated			
Trichloroethylene	ug/L	ND	ND	ND	ND			EPA 624.1		0.15	0.5
Tritium	pCi/L	-49.5	-176	-61.6	106			EPA 906.0		251 - 355	500
Turbidity (low proportioned avg daily value)	NTU	DNO Est. Conc. 0.45	DNO Est. Conc. 0.40	0.45	0.88	2		SM 2130B		0.081 - 0.12	0.5
Uranium	pCi/L	0.583	0.497	0.570	0.675			EPA 908.0		0.109 - 0.16	1
Vinyl chloride	ug/L	ND	ND	ND	ND			EPA 624.1		0.25	0.5
Zinc	ug/L	71.6	63.9	69.5	72.3			EPA 200.8	1	0.7	1

(1) Blank contamination observed.

(2) Wet weather effluent limit.

(3) 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.

(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  
2020 INF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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		
1,2-Trans-Dichloroethylene	ug/L		ND						DNQ Est. Conc. 0.06		
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						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		1.00						DNQ Est. Conc. 0.47		
Aroclor 1016	pg/L		ND						ND		
Aroclor 1221	pg/L		ND						ND		
Aroclor 1232	pg/L		ND						ND		
Aroclor 1242	pg/L		ND						ND		
Aroclor 1248	pg/L		ND						ND		
Aroclor 1254	pg/L		ND						ND		
Aroclor 1260	pg/L		ND						ND		
Arsenic	ug/L		2.04						1.65		
Benzene	ug/L		ND						ND		
Benzidine	ug/L			ND					ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND						ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND						ND		
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		



San Jose Creek East Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624.1	1	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.13	0.50
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624.1	1	0.08	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624.1	2	0.21	0.50
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625.1	5	0.51	20.0
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624.1	1	0.14	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625.1	1	0.63	20.0
1,2-trans-Dichloroethylene	ug/L			ND	ND	DNQ Est. Conc. 0.06	EPA 624.1	1	0.06	0.50
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	Calculated			
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.25	0.50
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.58 - 0.74	10 - 11
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625.1	10	0.64	20.0
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.60	20.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625.1	2	0.44	20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625.1	5	1.51	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1	5	0.37	20.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1	5	0.50	20.0
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624.1	1	0.28	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625.1	10	0.41	20.0
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.41	20.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625.1	5	1.3	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1	10	0.31	20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625.1	5	0.54	20.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625.1	1	0.69	20.0
4,4-DDD	ug/L			ND	ND	ND	EPA 608.3	0.05	0.003 - 0.005	0.10
4,4-DDE	ug/L			ND	ND	ND	EPA 608.3	0.05	0.002 - 0.004	0.10
4,4-DDT	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001 - 0.004	0.10
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625.1	5	0.58	20.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625.1	5	0.63	20.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1	10	1.6	100
Acenaphthene	ug/L			ND	ND	ND	EPA 625.1	1	0.50	20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625.1	10	0.50	20.0
Acrolein	ug/L			ND	ND	ND	EPA 624.1		0.64	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624.1		0.64	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608.3	0.005	0.002 - 0.003	0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001 - 0.003	0.10
alpha-Endosulfan	ug/L			ND	ND	ND	EPA 608.3	0.02	0.003 - 0.004	0.10
Anthracene	ug/L			ND	ND	ND	EPA 625.1	10	0.56	20.0
Antimony	ug/L			DNQ Est. Conc. 0.47	0.50	1.00	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	pg/L			ND	ND	ND	EPA 608.3	0.5	0.02 - 0.1	1.0 - 5.0
Aroclor 1221	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	5.0
Aroclor 1232	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	3.0 - 5.0
Aroclor 1242	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1248	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1254	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1260	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Arsenic	ug/L			1.65	1.85	2.04	EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND	EPA 624.1	2	0.09	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625.1	5	0.77	100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625.1	5	0.46	20.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.54	20.0
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625.1	10	0.61	20.0
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625.1	5	0.52	20.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625.1	10	0.53	20.0
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L			ND	ND	ND	EPA 608.3	0.005	0.003	0.05
beta-Endosulfan	ug/L			ND	ND	ND	EPA 608.3	0.01	0.003 - 0.004	0.10
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625.1	5	0.28	20.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625.1	1	0.27	20.0

San Jose Creek East Water Reclamation Plant  
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Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND						ND		
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.19						DNQ Est. Conc. 0.44		
Bromoform	ug/L		DNQ Est. Conc. 0.24						ND		
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		DNQ Est. Conc. 0.13						DNQ Est. Conc. 0.18		
Carbon tetrachloride	ug/L		ND						ND		
Chlorobenzene	ug/L		ND						ND		
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.20						ND		
Chloroethane	ug/L		ND						ND		
Chloroform	ug/L		2.3						4.4		
Chromium III	ug/L		5.43						4.78		
Chromium VI	ug/L		ND						DNQ Est. Conc. 0.01		
Chrysene	ug/L		ND						ND		
Copper	ug/L		64.7						26.8		
Cyanide	ug/L		DNQ Est. Conc. 1.0						DNQ Est. Conc. 1.89		
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 sulfate	ug/L		ND						ND		
Endrin	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Ethylbenzene	ug/L		ND						ND		
Fluoranthene	ug/L		ND						ND		
Fluorene	ug/L		ND						ND		
gamma-BHC	ug/L		DNQ Est. Conc. 0.02						ND		
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	1.83	1.62	2.11	1.86	2.51	1.42	2.04	0.81	1.21	1.42
Mercury	ug/L		0.17						0.04		
Methyl Bromide	ug/L		ND						ND		
Methyl Chloride	ug/L		ND						ND		
Methylene chloride	ug/L		0.52						3.6		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		7.47						3.71		
Nitrobenzene	ug/L		ND						ND		
n-Nitrosodimethylamine	ug/L		ND / ND						DNQ Est. Conc. 0.011 / ND		
N-nitrosodi-n-propylamine	ug/L		ND / ND						ND / ND		
n-Nitrosodiphenylamine	ug/L		ND / ND						ND / ND		
PCB-105	pg/L								44		
PCB-110/115	pg/L								DNQ Est. Conc. 160		
PCB-114	pg/L								DNQ Est. Conc. 3.9		
PCB-118	pg/L								110		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								DNQ Est. Conc. 11		
PCB-129/138/163	pg/L								DNQ Est. Conc. 110		
PCB-135/151	pg/L								DNQ Est. Conc. 36		
PCB-147/149	pg/L								DNQ Est. Conc. 77		
PCB-153/168	pg/L								DNQ Est. Conc. 97		
PCB-156/157	pg/L								DNQ Est. Conc. 21		
PCB-158	pg/L								DNQ Est. Conc. 9.5		
PCB-167	pg/L								DNQ Est. Conc. 5.3		

San Jose Creek East Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625.1	2	0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND	EPA 625.1	5	0.55	20.0
Bromodichloromethane	ug/L			DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.44	EPA 624.1	2	0.11	0.50
Bromoforn	ug/L			ND	ND	DNQ Est. Conc. 0.24	EPA 624.1	2	0.18	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0
Cadmium	ug/L			DNQ Est. Conc. 0.13	ND	DNQ Est. Conc. 0.18	EPA 200.8	0.25	0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624.1	2	0.18	0.50
Chlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.10	0.50
Chlorodibromomethane	ug/L			ND	ND	DNQ Est. Conc. 0.20	EPA 624.1	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.31	0.50
Chloroform	ug/L			2.3	3.4	4.4	EPA 624.1	2	0.08	0.50
Chromium III	ug/L			4.78	5.11	5.43	Calculated			
Chromium VI	ug/L			ND	ND	DNQ Est. Conc. 0.01	EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L			ND	ND	ND	EPA 625.1	10	0.41	20.0
Copper	ug/L			26.8	45.8	64.7	EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L			DNQ Est. Conc. 1.0	ND	DNQ Est. Conc. 1.89	SM 4500 CNE	5	1.00	5.00
delta-BHC	ug/L			ND	ND	ND	EPA 608.3	0.005	0.003 - 0.004	0.05
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0
Dieldrin	ug/L			ND	ND	ND	EPA 608.3	0.01	0.0009 - 0.003	0.10
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625.1	2	0.42	20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625.1	2	0.41	20.0
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.59	20.0
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.69	20.0
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608.3	0.05	0.004 - 0.02	0.10 - 0.40
Endrin	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001 - 0.004	0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608.3	0.01	0.003 - 0.006	0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625.1	1	0.69	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0
gamma-BHC	ug/L			ND	ND	DNQ Est. Conc. 0.02	EPA 608.3	0.02	0.002 - 0.003	0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608.3	0.01	0.002 - 0.005	0.10
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608.3	0.01	0.003 - 0.005	0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625.1	1	0.47	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625.1	1	0.96	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625.1	5	2.0	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625.1	1	0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.53	20.0
Isophorone	ug/L			ND	ND	ND	EPA 625.1	1	0.28	20.0
Lead	ug/L	2.20	2.41	0.81	1.8	2.51	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.04	0.1	0.17	EPA 245.1	0.5	0.012	0.04
Methyl Bromide	ug/L			ND	ND	ND	EPA 624.1	2	0.30	0.50
Methyl Chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.41	0.50
Methylene chloride	ug/L			0.52	2.1	3.6	EPA 624.1	2	0.46	0.50
Naphthalene	ug/L			ND	ND	ND	EPA 625.1	1	0.20	20.0
Nickel	ug/L			3.71	5.59	7.47	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625.1	1	0.31	20.0
n-Nitrosodimethylamine	ug/L			ND / ND	ND / ND	DNQ Est. Conc. 0.011 / ND	EPA 1625B (Modified) / EPA 625.1	5	0.0005 / 0.50	0.020 / 100
N-nitrosodi-n-propylamine	ug/L			ND / ND	ND / ND	ND / ND	EPA 1625B (Modified) / EPA 625.1	5	0.0006 / 0.36	0.020 / 20.0
n-Nitrosodiphenylamine	ug/L			ND / ND	ND / ND	ND / ND	EPA 1625B (Modified) / EPA 625.1		0.0013 / 0.64	0.10 / 20.0
PCB-105	pg/L			44	44	44	EPA 1668C		3.3	22
PCB-110/115	pg/L			DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668C		3	440
PCB-114	pg/L			DNQ Est. Conc. 3.9	ND	DNQ Est. Conc. 3.9	EPA 1668C		3.3	22
PCB-118	pg/L			110	110	110	EPA 1668C		3.2	22
PCB-123	pg/L			ND	ND	ND	EPA 1668C		3.5	22
PCB-126	pg/L			ND	ND	ND	EPA 1668C		4.3	22
PCB-128/166	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668C		1.5	440
PCB-129/138/163	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668C		1.6	660
PCB-135/151	pg/L			DNQ Est. Conc. 36	ND	DNQ Est. Conc. 36	EPA 1668C		1.6	440
PCB-147/149	pg/L			DNQ Est. Conc. 77	ND	DNQ Est. Conc. 77	EPA 1668C		1.5	440
PCB-153/168	pg/L			DNQ Est. Conc. 97	ND	DNQ Est. Conc. 97	EPA 1668C		1.3	440
PCB-156/157	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21	EPA 1668C		3.8	44
PCB-158	pg/L			DNQ Est. Conc. 9.5	ND	DNQ Est. Conc. 9.5	EPA 1668C		1.2	220
PCB-167	pg/L			DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 5.3	EPA 1668C		2.8	22

San Jose Creek East Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 28		
PCB-177	pg/L								DNQ Est. Conc. 13		
PCB-18/30	pg/L								DNQ Est. Conc. 47		
PCB-180/193	pg/L								DNQ Est. Conc. 67		
PCB-183	pg/L								DNQ Est. Conc. 20		
PCB-187	pg/L								DNQ Est. Conc. 29		
PCB-189	pg/L								ND		
PCB-194	pg/L								DNQ Est. Conc. 22		
PCB-20/28	pg/L								DNQ Est. Conc. 170		
PCB-201	pg/L								DNQ Est. Conc. 1.7 (1)		
PCB-206	pg/L								DNQ Est. Conc. 12		
PCB-37	pg/L								DNQ Est. Conc. 31		
PCB-44/47/65	pg/L								5500 (2)		
PCB-49/69	pg/L								DNQ Est. Conc. 150		
PCB-52	pg/L								DNQ Est. Conc. 150		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 230		
PCB-66	pg/L								DNQ Est. Conc. 100		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 100		
PCB-90/101/113	pg/L								DNQ Est. Conc. 160		
PCB-99	pg/L								DNQ Est. Conc. 87		
PCBs as Aroclors	pg/L								ND		
PCBs as Congeners	pg/L								5654		
Pentachlorophenol	ug/L		ND						ND		
pH	SU	7.2	7.5	7.2	7.3	7.3	7.2	7.1	7.1	7.5	7.3
Phenanthrene	ug/L		ND						ND		
Phenol	ug/L		22.2						44.3		
Pyrene	ug/L		ND						ND		
Selenium	ug/L	1.58	1.09	DNQ Est. Conc. 0.92	1.27	1.40	1.12	1.41	DNQ Est. Conc. 0.93	1.03	1.08
Silver	ug/L		0.29						DNQ Est. Conc. 0.10		
Technical Chlordane	ug/L		ND						ND		
Tetrachloroethylene	ug/L		ND						ND		
Thallium	ug/L		DNQ Est. Conc. 0.011						ND		
Toluene	ug/L		0.82						0.57		
Total BOD 20C	mg/L	455	403	346	349	329	456	385	400	325	355
Total Chromium	ug/L		5.81						2.23		
Total Suspended Solids	mg/L	622	657	611	699	500	560	721	702	450	412
Toxaphene	ug/L		ND						ND		
Trichloroethylene	ug/L		ND						ND		
Vinyl chloride	ug/L		ND						ND		
Zinc	ug/L		153						76.8		

San Jose Creek East Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
PCB-169	pg/L			ND	ND	ND	EPA 1668C		3.2	22
PCB-170	pg/L			DNQ Est. Conc. 28	ND	DNQ Est. Conc. 28	EPA 1668C		1.9	220
PCB-177	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668C		1.7	220
PCB-18/30	pg/L			DNQ Est. Conc. 47	ND	DNQ Est. Conc. 47	EPA 1668C		3.7	440
PCB-180/193	pg/L			DNQ Est. Conc. 67	ND	DNQ Est. Conc. 67	EPA 1668C		1.5	440
PCB-183	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20	EPA 1668C		1.5	220
PCB-187	pg/L			DNQ Est. Conc. 29	ND	DNQ Est. Conc. 29	EPA 1668C		0.89	220
PCB-189	pg/L			ND	ND	ND	EPA 1668C		1.7	22
PCB-194	pg/L			DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668C		1.4	220
PCB-20/28	pg/L			DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668C		10	440
PCB-201	pg/L			DNQ Est. Conc. 1.7 (1)	ND (1)	DNQ Est. Conc. 1.7 (1)	EPA 1668C		0.64	220
PCB-206	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668C		1.1	220
PCB-37	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31	EPA 1668C		11	220
PCB-44/47/65	pg/L			5500 (2)	5500 (2)	5500 (2)	EPA 1668C		32	660
PCB-49/69	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		28	440
PCB-52	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		31	220
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668C		8.5	880
PCB-66	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668C		8.2	220
PCB-77	pg/L			ND	ND	ND	EPA 1668C		11	22
PCB-81	pg/L			ND	ND	ND	EPA 1668C		11	22
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668C		3.4	1,300
PCB-90/101/113	pg/L			DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668C		3.6	660
PCB-99	pg/L			DNQ Est. Conc. 87	ND	DNQ Est. Conc. 87	EPA 1668C		3.3	220
PCBs as Aroclors	pg/L			ND	ND	ND	Calculated			
PCBs as Congeners	pg/L			5654	5654	5654	Calculated			
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.82	20.0
pH	SU	7.3	7.5	7.1	7.3	7.5	SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L			ND	ND	ND	EPA 625.1	5	0.59	20.0
Phenol	ug/L			22.2	33.3	44.3	EPA 625.1	1	0.24	20.0
Pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.60	20.0
Selenium	ug/L	1.30	2.51	DNQ Est. Conc. 0.92	1.15	2.51	EPA 200.8	2	0.02	1.00
Silver	ug/L			DNQ Est. Conc. 0.10	0.15	0.29	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L			ND	ND	ND	EPA 608.3	0.1	0.02 - 0.04	0.50
Tetrachloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.18	0.50
Thallium	ug/L			ND	ND	DNQ Est. Conc. 0.011	EPA 200.8	1	0.010	0.25
Toluene	ug/L			0.57	0.70	0.82	EPA 624.1	2	0.15	0.50
Total BOD 20C	mg/L	298	372	298	373	456	SM 5210B		0.6	100 - 150
Total Chromium	ug/L			2.23	4.02	5.81	EPA 200.8	0.5	0.10	0.50
Total Suspended Solids	mg/L	433	1487	412	654	1487	SM 2540D		2.5	83.3 - 125
Toxaphene	ug/L			ND	ND	ND	EPA 608.3	0.5	0.05 - 0.26	5.0
Trichloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.25	0.50
Zinc	ug/L			76.8	115	153	EPA 200.8	1	0.70	1.00

(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.

## **San Jose Creek WRP, East, Effluent Monitoring**

San Jose Creek East Water Reclamation Plant  
2020 EFF-002 and Reuse Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020 (1)	May 2020	June 2020	July 2020	August 2020	September 2020 (1)	October 2020
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethene	ug/L		ND		ND		ND		ND		ND
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (2)						DNQ Est. Conc. 1.7 (3)		
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (2)						DNQ Est. Conc. 1.7 (3)		
1,2,3,4,7,8,9-HeptaCDD	pg/L		ND						DNQ Est. Conc. 1.6 (3)		
1,2,3,4,7,8-HexaCDD	pg/L		ND (2)						DNQ Est. Conc. 4.3 (3)		
1,2,3,4,7,8-HexaCDF	pg/L		ND						ND		
1,2,3,6,7,8-HexaCDD	pg/L		ND (2)						ND		
1,2,3,6,7,8-HexaCDF	pg/L		ND						ND		
1,2,3,7,8,9-HexaCDD	pg/L		ND (2)						DNQ Est. Conc. 1.6 (3)		
1,2,3,7,8,9-HexaCDF	pg/L		ND (2)						DNQ Est. Conc. 0.74 (3)		
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		0.012	0.0065	0.0059	0.0058	ND	0.0074	0.0090	0.0064	DNQ Est. Conc. 0.0038
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L		1.6						1.2		
2,3,4,6,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 1.2 (3)		
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		ND		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		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		ND
4,4-DDE	ug/L		ND		ND		ND		ND		ND
4,4-DDT	ug/L		ND		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		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
alpha-Endosulfan	ug/L		ND						0.01		
Ammonia as nitrogen	mg/L	0.983	1.20	1.14	0.978	1.14	1.40	1.10	1.27	1.39	1.14
Anthracene	ug/L		ND						ND		
Antimony	ug/L		0.56				0.54		0.58		
Aroclor 1016	pg/L		ND		ND				ND		ND

San Jose Creek East Water Reclamation Plant  
2020 EFF-002 and Reuse Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.16	0.50
1,1,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	1	0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.13	0.50
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	1	0.08	0.50
1,1-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.21	0.50
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (2)	ND	DNQ Est. Conc. 1.7 (3)			EPA 1613B		0.54 - 0.55	52 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (2)	ND	DNQ Est. Conc. 1.7 (3)			EPA 1613B		0.43 - 0.49	52 - 54
1,2,3,4,7,8,9-HeptaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.6 (3)			EPA 1613B		0.56 - 0.86	52 - 54
1,2,3,4,7,8-HexaCDD	pg/L			ND (2)	ND	DNQ Est. Conc. 4.3 (3)			EPA 1613B		0.74 - 0.99	52 - 54
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		1.0 - 1.8	52 - 54
1,2,3,6,7,8-HexaCDD	pg/L			ND (2)	ND	ND (2)			EPA 1613B		0.70 - 0.75	52 - 54
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.80 - 1.7	52 - 54
1,2,3,7,8,9-HexaCDD	pg/L			ND (2)	ND	DNQ Est. Conc. 1.6 (3)			EPA 1613B		0.65 - 0.76	52 - 54
1,2,3,7,8,9-HexaCDF	pg/L			ND (2)	ND	DNQ Est. Conc. 0.74 (3)			EPA 1613B		0.63 - 0.94	52 - 54
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		1.1 - 1.5	52 - 54
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		1.0 - 1.1	52 - 54
1,2,3-Trichloropropane	ug/L	DNQ Est. Conc. 0.0029	DNQ Est. Conc. 0.0046	ND	0.0048	0.012			EPA 524.2 (TCP)		0.0012 - 0.012	0.0050 - 0.050
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625.1	5	0.51	1.0
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.22	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624.1	1	0.14	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625.1	1	0.63	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624.1	1	0.06	0.50
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.15	0.50
1,3-Dichloropropene (Total)	ug/L		ND	ND	ND	ND			Calculated			
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.25	0.50
1,4-Dioxane	ug/L			1.2	1.4	1.6			SW-846 8270MOD 1,4-Dioxane		0.26	0.40
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.2 (3)			EPA 1613B		0.60 - 0.95	52 - 54
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		1.1 - 1.6	52 - 54
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.72 - 1.1	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	ND			EPA 1613B		0.56 - 0.80	10 - 11
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND			EPA 625.1	10	0.64	1.0
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.60	1.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625.1	2	0.44	1.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625.1	5	1.51	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625.1	5	0.37	1.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625.1	5	0.50	1.0
2-Chloroethyl vinyl ether (mixed)	ug/L		ND	ND	ND	ND			EPA 624.1	1	0.28	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625.1	10	0.41	1.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.41	1.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625.1	5	1.3	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625.1	10	0.31	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625.1	5	0.54	1.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625.1	1	0.69	1.0
4,4-DDD	ug/L		ND	ND	ND	ND			EPA 608.3	0.05	0.003 - 0.005	0.01
4,4-DDE	ug/L		ND	ND	ND	ND			EPA 608.3	0.05	0.002 - 0.004	0.01
4,4-DDT	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.001 - 0.004	0.01
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625.1	5	0.58	1.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625.1	5	0.63	1.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625.1	10	1.6	5.0
Acenaphthene	ug/L			ND	ND	ND			EPA 625.1	1	0.50	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625.1	10	0.50	1.0
Acrolein	ug/L			ND	ND	ND			EPA 624.1		0.64	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624.1		0.64	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608.3	0.005	0.002 - 0.003	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.001 - 0.002	0.01
alpha-Endosulfan	ug/L			ND	0.005	0.01			EPA 608.3	0.02	0.003 - 0.004	0.01
Ammonia as nitrogen	mg/L	0.555	0.490	0.490	1.06	1.40	6.1(4)/7.8(5)	4.2(4)/5.4(5)	SM 4500 NH3 G		0.020 - 0.050	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625.1	10	0.56	1.0
Antimony	ug/L		0.60	0.54	0.57	0.60			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	pg/L			ND	ND	ND			EPA 608.3	0.5	0.02 - 0.1	0.1 - 0.5



San Jose Creek East Water Reclamation Plant  
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Parameter	Units	January 2020	February 2020	March 2020	April 2020 (1)	May 2020	June 2020	July 2020	August 2020	September 2020 (1)	October 2020
Aroclor 1221	pg/L		ND		ND				ND		ND
Aroclor 1232	pg/L		ND		ND				ND		ND
Aroclor 1242	pg/L		ND		ND		ND		ND		ND
Aroclor 1248	pg/L		ND		ND				ND		ND
Aroclor 1254	pg/L		ND		ND		ND		ND		ND
Aroclor 1260	pg/L		ND		ND				ND		ND
Arsenic	ug/L		DNQ Est. Conc. 0.94				1.08		1.52		
Barium	ug/L		80.6				74.6		75.4		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L			ND					ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND				ND		ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND				ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
beta-Endosulfan	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND		ND		ND		ND
Boron	mg/L	0.33	0.31	0.32	0.26	0.30	0.29	0.32	0.32	0.31	0.32
Bromodichloromethane	ug/L	18.2	20.6	22.7	16.9	24.4	24.1	25.4	24.7	24.5	24.1
Bromoform	ug/L	ND	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.35	ND	0.70	ND	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.32
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		ND				ND		ND		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	146	142	146	127	148	149	157	152	148	154
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chlorodibromomethane	ug/L	5.8	5.3	5.4	4.2	6.0	6.0	6.6	8.4	6.5	6.7
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	40.2	46.4	44.6	31.6	45.8	49.7	46.8	46.3	48.1	50.2
Chlorpyrifos	ug/L								ND		
Chromium III	ug/L		0.52				0.74		0.74		
Chromium VI	ug/L		0.08				0.15		0.14		
Chrysene	ug/L		ND						ND		
Copper	ug/L		4.44			6.10	3.56		3.10		
Cyanide	ug/L		DNQ Est. Conc. 1.18			ND			DNQ Est. Conc. 2.09		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Diazinon	ug/L								ND		
Dibenz(a,h)anthracene	ug/L		ND						ND		
Dieldrin	ug/L		ND		DNQ Est. Conc. 0.008		ND		ND		ND
Diethyl phthalate	ug/L		3.6						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	7.9	7.7	8.1	7.1	7.0	6.9	7.1	5.8	5.6	5.9
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L		ND						ND		
Endrin	ug/L		ND		ND		ND		ND		ND
Endrin aldehyde	ug/L		ND						ND		
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L		ND						ND		
Fluoride	mg/L		0.407		0.330		0.370		0.404		0.412
gamma-BHC	ug/L		DNQ Est. Conc. 0.005		ND		ND		ND		ND
Gross Alpha Radioactivity	pCi/L		2.45				5.29			2.90	
Gross Beta Radioactivity	pCi/L		12.5				19.9			12.9	
Heptachlor	ug/L		ND		ND		ND		ND		ND

San Jose Creek East Water Reclamation Plant  
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Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Aroclor 1221	pg/L			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.5
Aroclor 1232	pg/L			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.3 - 0.5
Aroclor 1242	pg/L		ND	ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1248	pg/L			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1254	pg/L		ND	ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1260	pg/L			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Arsenic	ug/L		1.32	DNQ Est. Conc. 0.94	0.98	1.52			EPA 200.8	2	0.06	1.00
Barium	ug/L		90.1	74.6	80.2	90.1			EPA 200.8		0.24	0.50
Benzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.09	0.5
Benzidine	ug/L			ND	ND	ND			EPA 625.1	5	0.77	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625.1	5	0.46	1.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 525.2		0.013 - 1.0	0.020 - 5.0
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.015	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625.1	5	0.52	1.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	0.098	0.049	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 608.3	0.005	0.003 - 0.003	0.005
beta-Endosulfan	ug/L			ND	ND	ND			EPA 608.3	0.01	0.003 - 0.004	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625.1	5	0.28	1.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625.1	1	0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625.1	2	0.25	1.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND			EPA 625.1	5	0.55	1.0
Boron	mg/L	0.29	0.28	0.26	0.30	0.33		1	EPA 200.8		0.017	0.020
Bromodichloromethane	ug/L	23.7	18.6	16.9	22.3	25.4			EPA 624.1	2	0.11	0.50
Bromoform	ug/L	ND	DNQ Est. Conc. 0.36	ND	0.058	0.70			EPA 624.1	2	0.18	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.58	1.0
Cadmium	ug/L		ND	ND	ND	ND			EPA 200.8	0.25	0.066	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.18	0.50
Chloride	mg/L	149	145	127	147	157		180	EPA 300.0		0.120 - 0.140	2.00 - 10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.10	0.50
Chlorodibromomethane	ug/L	5.0	4.8	4.2	5.9	8.4			EPA 624.1	2	0.11	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.31	0.50
Chloroform	ug/L	49.1	31.8	31.6	44.2	50.2			EPA 624.1	2	0.08	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L		0.72	0.52	0.68	0.74			Calculated			
Chromium VI	ug/L		0.20	0.08	0.1	0.20			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chrysene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.014	0.020
Copper	ug/L	4.69	3.54	3.10	4.24	6.10			EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L	DNQ Est. Conc. 2.86		ND	ND	DNQ Est. Conc. 2.86			SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608.3	0.005	0.003 - 0.004	0.005
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004	0.05
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.014	0.020
Dieldrin	ug/L		ND	ND	ND	DNQ Est. Conc. 0.008			EPA 608.3	0.01	0.0009 - 0.003	0.01
Diethyl phthalate	ug/L			ND	1.8	3.6			EPA 625.1	2	0.42	1.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625.1	2	0.41	1.0
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.59	1.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.69	1.0
Dissolved oxygen	mg/L	7.2	6.8	5.6	6.9	8.1			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608.3	0.05	0.004 - 0.02	0.01 - 0.04
Endrin	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.001 - 0.004	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608.3	0.01	0.003 - 0.006	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625.1	1	0.69	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625.1	10	0.58	1.0
Fluoride	mg/L		0.419	0.330	0.390	0.419			SM 4500 F C		0.016 - 0.040	0.100
gamma-BHC	ug/L		ND	ND	ND	DNQ Est. Conc. 0.005			EPA 608.3	0.02	0.002 - 0.003	0.01
Gross Alpha Radioactivity	pCi/L		2.75	-2.45	2.12	5.29		15	EPA 900.0		3.49 - 5.07	3.00
Gross Beta Radioactivity	pCi/L		23.3	12.5	17.2	23.3			EPA 900.0		1.67 - 2.00	4.00
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.002 - 0.005	0.01

San Jose Creek East Water Reclamation Plant  
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Parameter	Units	January 2020	February 2020	March 2020	April 2020 (1)	May 2020	June 2020	July 2020	August 2020	September 2020 (1)	October 2020
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND				ND		ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND				ND		ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Iron	ug/L		40				33		34		
Isophorone	ug/L		ND						ND		
Lead	ug/L	DNO Est. Conc. 0.23	DNO Est. Conc. 0.17	DNO Est. Conc. 0.19	DNO Est. Conc. 0.16	DNO Est. Conc. 0.19	DNO Est. Conc. 0.14	DNO Est. Conc. 0.14	DNO Est. Conc. 0.17	DNO Est. Conc. 0.14	DNO Est. Conc. 0.14
Mercury	ug/L		0.0016				0.0023		0.0052		
Methyl Bromide	ug/L		ND		ND		ND		ND		ND
Methyl Chloride	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
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		2.38				2.81		2.26		
Nitrate + nitrite as nitrogen	mg/L	4.74	6.84	6.45	7.77	7.76	7.11	6.06	5.51	8.65	5.67
Nitrate as nitrogen	mg/L	4.71	6.81	6.42	7.75	7.75	7.09	6.04	5.49	8.64	5.65
Nitrite as nitrogen	mg/L	ND	0.034	0.030	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ug/L		ND						ND		
n-Nitrosodimethylamine	ug/L	0.051	0.080	0.049	0.092	0.077	0.15	0.14	0.061	0.048	0.074
N-nitrosodi-n-propylamine	ug/L		ND / ND						ND / ND		
n-Nitrosodiphenylamine	ug/L		ND / ND						ND / ND		
OctaCDD	pg/L		ND (2)						ND (2)		
OctaCDF	pg/L		ND (2)						DNO Est. Conc. 3.1		
Oil and grease	mg/L		ND			ND			DNO Est. Conc. 3.0		
Organic Nitrogen	mg/L	1.41	1.50	1.10	0.482	1.03	1.60	1.90	1.63	0.344	1.14
Orthophosphate-P	mg/L	0.267	0.151	0.189	0.148	0.240	0.205	0.362	0.144	0.365	0.460
PCB-105	pg/L								ND		
PCB-110/115	pg/L								DNO Est. Conc. 11		
PCB-114	pg/L								ND		
PCB-118	pg/L								DNO Est. Conc. 6.0		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								ND		
PCB-129/138/163	pg/L								DNO Est. Conc. 3.6		
PCB-135/151	pg/L								DNO Est. Conc. 1.5		
PCB-147/149	pg/L								DNO Est. Conc. 3.2		
PCB-153/168	pg/L								DNO Est. Conc. 2.1 (3)		
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								DNO Est. Conc. 9.9		
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								DNO Est. Conc. 2.8		
PCB-20/28	pg/L								DNO Est. Conc. 15		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCB-37	pg/L								ND		
PCB-44/47/65	pg/L								ND (2)		
PCB-49/69	pg/L								DNO Est. Conc. 5.3		
PCB-52	pg/L								DNO Est. Conc. 19		
PCB-61/70/74/76	pg/L								DNO Est. Conc. 17		
PCB-66	pg/L								DNO Est. Conc. 6.9		
PCB-77	pg/L								ND		

San Jose Creek East Reclamation Plant  
2020 EFF-002 and Reuse Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.003 - 0.005	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1		0.0045 - 0.47	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625.1	1	0.96	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1		0.030 - 2.0	0.050 - 5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625.1	1	0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.013	0.020
Iron	ug/L		33	33	35	40			EPA 200.8		0.003	0.020
Isophorone	ug/L			ND	ND	ND			EPA 625.1	1	0.28	1.0
Lead	ug/L	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.14	ND	DNQ Est. Conc. 0.23	166 (6)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L		0.0024	0.0016	0.0029	0.0052			EPA 1631E		0.000047	0.00050
Methyl Bromide	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.30	0.50
Methyl Chloride	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.41	0.50
Methyl Tert-butyl Ether	ug/L		ND	ND	ND	ND			EPA 624.1		0.08	0.50
Methylene chloride	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.46	0.50
Naphthalene	ug/L			ND	ND	ND			EPA 625.1	1	0.20	1.0
Nickel	ug/L		4.04	2.26	2.87	4.04			EPA 200.8	1	0.07	1.0
Nitrate + nitrite as nitrogen	mg/L	7.84	4.92	4.74	6.61	8.65		8	Calculated			
Nitrate as nitrogen	mg/L	7.83	4.91	4.71	6.59	8.64			SM 4500 NO3 F		0.030 - 0.093	0.200
Nitrite as nitrogen	mg/L	ND	ND	ND	0.0053	0.034		1	SM 4500 NO3 F		0.003 - 0.012	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625.1	1	0.31	1.0
n-Nitrosodimethylamine	ug/L	0.086	0.049	0.048	0.080	0.15			EPA 1625B (Modified)		0.0005	0.010
N-nitrosodi-n-propylamine	ug/L			ND / ND	ND / ND	ND / ND			EPA 1625B (Modified) / EPA 625.1		0.0006 / 0.36	0.010 / 1.0
n-Nitrosodiphenylamine	ug/L			ND / ND	ND / ND	ND / ND			EPA 1625B (Modified) / EPA 625.1		0.0013 / 0.64	0.050 / 1.0
OctaCDD	pg/L			ND (2)	ND	ND (2)			EPA 1613B		0.75 - 0.77	100 - 110
OctaCDF	pg/L			ND (2)	ND	DNQ Est. Conc. 3.1			EPA 1613B		0.88 - 0.97	100 - 110
Oil and grease	mg/L	ND		ND	ND	DNQ Est. Conc. 3.0	15	10	EPA 1664A		1.4	4.7 - 4.8
Organic Nitrogen	mg/L	1.82	1.35	0.344	1.28	1.90			Calculated			
Orthophosphate-P	mg/L	0.424	0.431	0.144	0.282	0.460			EPA 365.1		0.006 - 0.010	0.030
PCB-105	pg/L			ND	ND	ND			EPA 1668C		1.8	21
PCB-110/115	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668C		1.7	430
PCB-114	pg/L			ND	ND	ND			EPA 1668C		2.0	21
PCB-118	pg/L			DNQ Est. Conc. 6.0	ND	DNQ Est. Conc. 6.0			EPA 1668C		1.7	21
PCB-123	pg/L			ND	ND	ND			EPA 1668C		2.0	21
PCB-126	pg/L			ND	ND	ND			EPA 1668C		2.2	21
PCB-128/166	pg/L			ND	ND	ND			EPA 1668C		0.97	430
PCB-129/138/163	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6			EPA 1668C		1.0	640
PCB-135/151	pg/L			DNQ Est. Conc. 1.5	ND	DNQ Est. Conc. 1.5			EPA 1668C		1.0	430
PCB-147/149	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668C		1.0	430
PCB-153/168	pg/L			DNQ Est. Conc. 2.1 (3)	ND (3)	DNQ Est. Conc. 2.1 (3)			EPA 1668C		0.85	430
PCB-156/157	pg/L			ND	ND	ND			EPA 1668C		1.4	43
PCB-158	pg/L			ND	ND	ND			EPA 1668C		0.77	210
PCB-167	pg/L			ND	ND	ND			EPA 1668C		1.1	21
PCB-169	pg/L			ND	ND	ND			EPA 1668C		1.2	21
PCB-170	pg/L			ND	ND	ND			EPA 1668C		1.3	210
PCB-177	pg/L			ND	ND	ND			EPA 1668C		1.2	210
PCB-18/30	pg/L			DNQ Est. Conc. 9.9	ND	DNQ Est. Conc. 9.9			EPA 1668C		2.8	430
PCB-180/193	pg/L			ND	ND	ND			EPA 1668C		0.99	430
PCB-183	pg/L			ND	ND	ND			EPA 1668C		0.98	210
PCB-187	pg/L			ND	ND	ND			EPA 1668C		1.1	210
PCB-189	pg/L			ND	ND	ND			EPA 1668C		1.2	21
PCB-194	pg/L			DNQ Est. Conc. 2.8	ND	DNQ Est. Conc. 2.8			EPA 1668C		1.4	210
PCB-20/28	pg/L			DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15			EPA 1668C		4.8	430
PCB-201	pg/L			ND	ND	ND			EPA 1668C		0.97	210
PCB-206	pg/L			ND	ND	ND			EPA 1668C		1.6	210
PCB-37	pg/L			ND	ND	ND			EPA 1668C		5.5	210
PCB-44/47/65	pg/L			ND (2)	ND (2)	ND (2)			EPA 1668C		2.4	640
PCB-49/69	pg/L			DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 5.3			EPA 1668C		2.1	430
PCB-52	pg/L			DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19			EPA 1668C		2.3	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17			EPA 1668C		1.9	850
PCB-66	pg/L			DNQ Est. Conc. 6.9	ND	DNQ Est. Conc. 6.9			EPA 1668C		1.9	210
PCB-77	pg/L			ND	ND	ND			EPA 1668C		2.7	21

San Jose Creek East Water Reclamation Plant  
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Parameter	Units	January 2020	February 2020	March 2020	April 2020 (1)	May 2020	June 2020	July 2020	August 2020	September 2020 (1)	October 2020
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								ND		
PCB-90/101/113	pg/L								DNQ Est. Conc. 10		
PCB-99	pg/L								ND		
PCBs as Aroclors	pg/L		ND		ND		ND		ND		ND
PCBs as Congeners	pg/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.15	0.31	0.21	0.32	0.24	0.39	0.84	0.62	0.57	ND
pH (SJC)	SU	7.3	7.4	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		ND		ND		ND		ND		ND
Pyrene	ug/L		ND						ND		
Radium-226 + radium-228	pCi/L		0.0452				0.215			0.243	
Selenium	ug/L	DNQ Est. Conc. 0.49	DNQ Est. Conc. 0.43	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.56	DNQ Est. Conc. 0.52	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.36
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				ND		ND		
Strontium-90	pCi/L		0.160				0.526			0.242	
Sulfate	mg/L	106	101	109	111	123	127	120	123	129	128
Surfactant (CTAS)	mg/L		ND			ND			ND		
Surfactant (MBAS)	mg/L		ND		ND	ND			DNQ Est. Conc. 0.04		DNQ Est. Conc. 0.02
Technical Chlordane	ug/L		ND				ND		ND		
Temperature (SJC)	Degrees F	73.6	73.6	73.9		80.9	81.7	83.3			82.5
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		ND		DNQ Est. Conc. 0.19		DNQ Est. Conc. 0.20		ND		DNQ Est. Conc. 0.28
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons	ug/L		ND				ND		ND		
Total Chromium	ug/L		0.60				0.88		0.87		
Total Coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	620	622	640	632	680	640	683	700	652	725
Total Hardness	mg/L	247	244	226	218	262	233	242	224	228	228
Total Kjeldahl Nitrogen (TKN)	mg/L	2.40	2.70	2.24	1.46	2.17	3.00	3.00	2.90	1.73	2.28
Total Nitrogen	mg/L	7.14	9.54	8.68	9.41	9.93	10.1	9.06	8.41	9.79	8.79
Total Phosphorous	mg/L	0.342	0.213	0.264	0.213	0.305	0.299	0.463	0.225	0.450	0.610
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	ND
Total Trihalomethanes	ug/L	64.2	72.3	72.7	52.7	76.4	79.8	79.5	79.4	79.2	81.0
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic Equivalence	pg/L		ND						ND		
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		-51.4				-1.35			-47.7	
Turbidity (flow proportioned avg daily value)	NTU	0.65	0.60	0.64	0.60	0.63		0.82	0.60	0.73	0.70
Uranium	pCi/L		0.728				0.554			0.283	
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		61.7				47.0		45.2		

San Jose Creek East Water Reclamation Plant  
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Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
PCB-81	pg/L			ND	ND	ND			EPA 1668C		2.9	21
PCB-86/87/97/108/119/125	pg/L			ND	ND	ND			EPA 1668C		1.9	1,300
PCB-90/101/113	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668C		2.0	640
PCB-99	pg/L			ND	ND	ND			EPA 1668C		1.9	210
PCBs as Aroclors	pg/L		ND	ND	ND	ND			Calculated			
PCBs as Congeners	pg/L			ND	ND	ND			Calculated			
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625.1	5	0.82	1.0
Perchlorate	ug/L	0.1	0.22	ND	0.33	0.84			EPA 331.0		0.0201	0.05
pH (SJC)	SU	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			EPA 625.1	5	0.59	1.0
Phenol	ug/L		ND	ND	ND	ND			EPA 625.1	1	0.24	1.0
Pyrene	ug/L			ND	ND	ND			EPA 625.1	10	0.60	1.0
Radium-226 + radium-228	pCi/L		0.138	0.0452	0.160	0.243		5	Drinking H2O Radium Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.28	ND	DNQ Est. Conc. 0.56	6.5 (7)	4.6 (7)	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	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L		-0.0313	-0.0313	0.224	0.526		8	EPA 905.0		0.302 - 0.983	3.00
Sulfate	mg/L	115	110	101	117	129		300	EPA 300.0		0.110 - 0.140	1.00 - 2.50
Surfactant (CTAS)	mg/L	ND		ND	ND	ND			SM 5540D		0.06 - 0.10	0.10
Surfactant (MBAS)	mg/L	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.03	ND	ND	DNQ Est. Conc. 0.05		0.5	SM 5540C		0.017 - 0.03	0.10
Technical Chlordane	ug/L			ND	ND	ND			EPA 608.3	0.1	0.02 - 0.04	0.05
Temperature (SJC)	Degrees F	80.3	78.6	73.6	78.7	83.3	86 (8)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.18	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.28			EPA 624.1	2	0.15	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Total chlorinated hydrocarbons	ug/L	ND		ND	ND	ND			Calculated			
Total Chromium	ug/L		0.92	0.60	0.82	0.92			EPA 200.8	0.5	0.10	0.50
Total Coliform	No./100mL	ND	ND	ND	ND	ND	(9)	(9)	SM 9222B		1	1
Total Coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND			SM 9222B		1	1
Total Dissolved Solids	mg/L	700	647	620	662	725		750	SM 2540C		2.7	50.0 - 250
Total Hardness	mg/L	225	241	218	235	262			Calculated			
Total Kjeldahl Nitrogen (TKN)	mg/L	2.38	1.84	1.46	2.34	3.00			EPA 351.2		0.120 - 0.170	0.200 - 0.500
Total Nitrogen	mg/L	10.9	6.76	6.76	9.04	10.9			Total Nitrogen Calculation			0.200
Total Phosphorous	mg/L	0.519	0.502	0.213	0.367	0.610			EPA 365.1		0.014 - 0.026	0.030
Total residual chlorine (SJC)	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.025 - 0.040	0.10
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total Trihalomethanes	ug/L	77.8	55.2	52.7	72.5	81.0		80	Calculated			
Toxaphene	ug/L			ND	ND	ND			EPA 608.3	0.5	0.05 - 0.3	0.50
Toxic Equivalence	pg/L			ND	ND	ND			Calculated			
Trichloroethylene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.15	0.50
Tritium	pCi/L		-4.50	-51.4	-26.2	-1.35		20000	EPA 906.0		309 - 357	500
Turbidity (flow proportioned avg daily value)	NTU	0.55	0.69	0.55	0.65	0.82	2		SM 2130B		0.057 - 0.12	0.50
Uranium	pCi/L		0.805	0.283	0.593	0.805		20	EPA 908.0		0.0949 - 0.268	1.00
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.25	0.50
Zinc	ug/L		57.8	45.2	52.9	61.7			EPA 200.8	1	0.70	1.00

- (1) No discharge at EFF-002 during this month.
- (2) Blank contamination observed.
- (3) 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.
- (4) Effluent ammonia limit effective from April 1 to September 30.
- (5) Effluent ammonia limit effective from October 1 to March 31.
- (6) Wet weather limit.
- (7) Dry weather limit.
- (8) The temperature of wastes discharged shall not exceed 86 °F except as a result of external ambient temperature.
- (9) 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  
2020 INF-002 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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		
1,2-Trans-Dichloroethylene	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						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		0.84						0.80		
Aroclor 1016	pg/L		ND						ND		
Aroclor 1221	pg/L		ND						ND		
Aroclor 1232	pg/L		ND						ND		
Aroclor 1242	pg/L		ND						ND		
Aroclor 1248	pg/L		ND						ND		
Aroclor 1254	pg/L		ND						ND		
Aroclor 1260	pg/L		ND						ND		
Arsenic	ug/L		1.68						2.25		
Benzene	ug/L		ND						ND		
Benzidine	ug/L			ND					ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND						ND		
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		
beta-Endosulfan	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		



San Jose Creek West Water Reclamation Plant  
2020 INF-002 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624.1	1	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.13	0.50
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624.1	1	0.08	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624.1	2	0.21	0.50
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625.1	5	0.51	20.0
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624.1	1	0.14	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625.1	1	0.63	20.0
1,2-trans-Dichloroethylene	ug/L			ND	ND	ND	EPA 624.1	1	0.06	0.50
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	Calculated			
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.25	0.50
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.66 - 0.68	11
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625.1	10	0.64	20.0
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.60	20.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625.1	2	0.44	20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625.1	5	1.5	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1	5	0.37	20.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1	5	0.50	20.0
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624.1	1	0.28	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625.1	10	0.41	20.0
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.41	20.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625.1	5	1.3	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1	10	0.31	20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625.1	5	0.54	20.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625.1	1	0.69	20.0
4,4-DDD	ug/L			ND	ND	ND	EPA 608.3	0.05	0.003 - 0.005	0.10
4,4-DDE	ug/L			ND	ND	ND	EPA 608.3	0.05	0.002 - 0.004	0.10
4,4-DDT	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001 - 0.004	0.10
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625.1	5	0.58	20.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625.1	5	0.63	20.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1	10	1.6	100
Acenaphthene	ug/L			ND	ND	ND	EPA 625.1	1	0.50	20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625.1	10	0.50	20.0
Acrolein	ug/L			ND	ND	ND	EPA 624.1		0.64	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624.1		0.64	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608.3	0.005	0.002 - 0.003	0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001 - 0.003	0.10
alpha-Endosulfan	ug/L			ND	ND	ND	EPA 608.3	0.02	0.003 - 0.004	0.10
Anthracene	ug/L			ND	ND	ND	EPA 625.1	10	0.56	20.0
Antimony	ug/L			0.80	0.82	0.84	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	pg/L			ND	ND	ND	EPA 608.3	0.5	0.02 - 0.1	1.0 - 5.0
Aroclor 1221	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	5.0
Aroclor 1232	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	3.0 - 5.0
Aroclor 1242	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1248	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1254	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1260	pg/L			ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Arsenic	ug/L			1.68	1.97	2.25	EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND	EPA 624.1	2	0.09	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625.1	5	0.77	100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625.1	5	0.46	20.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.54	20.0
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625.1	10	0.61	20.0
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625.1	5	0.52	20.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625.1	10	0.53	20.0
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.020	0.25
beta-BHC	ug/L			ND	ND	ND	EPA 608.3	0.005	0.003	0.05
beta-Endosulfan	ug/L			ND	ND	ND	EPA 608.3	0.01	0.003 - 0.004	0.10
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625.1	5	0.28	20.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625.1	1	0.27	20.0

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Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND						ND		
Bromodichloromethane	ug/L		0.67						DNQ Est. Conc. 0.21		
Bromoform	ug/L		DNQ Est. Conc. 0.48						ND		
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		DNQ Est. Conc. 0.17						0.20		
Carbon tetrachloride	ug/L		ND						ND		
Chlorobenzene	ug/L		ND						ND		
Chlorodibromomethane	ug/L		0.56						ND		
Chloroethane	ug/L		ND						ND		
Chloroform	ug/L		5.4						4.1		
Chromium III	ug/L		10.0						2.50		
Chromium VI	ug/L		ND						0.07		
Chrysene	ug/L		ND						ND		
Copper	ug/L		74.2						52.7		
Cyanide	ug/L		ND						DNQ Est. Conc. 1.80		
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 sulfate	ug/L		ND						ND		
Endrin	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Ethylbenzene	ug/L		ND						ND		
Fluoranthene	ug/L		ND						ND		
Fluorene	ug/L		ND						ND		
gamma-BHC	ug/L		DNQ Est. Conc. 0.02						ND		
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	2.28	1.81	1.69	2.83	2.80	1.85	2.50	1.16	5.49	3.18
Mercury	ug/L		0.13						0.05		
Methyl Bromide	ug/L		ND						ND		
Methyl Chloride	ug/L		ND						ND		
Methylene chloride	ug/L		2.0						0.84		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		4.45						5.31		
Nitrobenzene	ug/L		ND						ND		
n-Nitrosodimethylamine	ug/L		ND / ND						DNQ Est. Conc. 0.0095 / ND		
N-nitrosodi-n-propylamine	ug/L		ND / ND						ND / ND		
n-Nitrosodiphenylamine	ug/L		ND / ND						ND / ND		
PCB-105	pg/L								82		
PCB-110/115	pg/L								DNQ Est. Conc. 290		
PCB-114	pg/L								DNQ Est. Conc. 6.7		
PCB-118	pg/L								210		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								DNQ Est. Conc. 23		
PCB-129/138/163	pg/L								DNQ Est. Conc. 240		
PCB-135/151	pg/L								DNQ Est. Conc. 74		
PCB-147/149	pg/L								DNQ Est. Conc. 150		
PCB-153/168	pg/L								DNQ Est. Conc. 200		
PCB-156/157	pg/L								46		
PCB-158	pg/L								DNQ Est. Conc. 23		
PCB-167	pg/L								DNQ Est. Conc. 14		

San Jose Creek West Water Reclamation Plant  
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Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625.1	2	0.25	20.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND	EPA 625.1	5	0.55	20.0
Bromodichloromethane	ug/L			DNQ Est. Conc. 0.21	0.34	0.67	EPA 624.1	2	0.11	0.50
Bromoforn	ug/L			ND	ND	DNQ Est. Conc. 0.48	EPA 624.1	2	0.18	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0
Cadmium	ug/L			DNQ Est. Conc. 0.17	0.10	0.20	EPA 200.8	0.25	0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624.1	2	0.18	0.50
Chlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.10	0.50
Chlorodibromomethane	ug/L			ND	0.28	0.56	EPA 624.1	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.31	0.50
Chloroform	ug/L			4.1	4.8	5.4	EPA 624.1	2	0.08	0.50
Chromium III	ug/L			2.50	6.25	10.0	Calculated			
Chromium VI	ug/L			ND	0.04	0.07	EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L			ND	ND	ND	EPA 625.1	10	0.41	20.0
Copper	ug/L			52.7	63.5	74.2	EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L			ND	ND	DNQ Est. Conc. 1.80	SM 4500 CNE	5	1.00	5.00
delta-BHC	ug/L			ND	ND	ND	EPA 608.3	0.005	0.003 - 0.004	0.05
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0
Dieldrin	ug/L			ND	ND	ND	EPA 608.3	0.01	0.0009 - 0.003	0.10
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625.1	2	0.42	20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625.1	2	0.41	20.0
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.59	20.0
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.69	20.0
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608.3	0.05	0.004 - 0.02	0.10 - 0.40
Endrin	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001 - 0.004	0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608.3	0.01	0.003 - 0.006	0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625.1	1	0.69	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0
gamma-BHC	ug/L			ND	ND	DNQ Est. Conc. 0.02	EPA 608.3	0.02	0.002 - 0.003	0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608.3	0.01	0.002 - 0.005	0.10
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608.3	0.01	0.003 - 0.005	0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625.1	1	0.47	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625.1	1	0.96	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625.1	5	2.0	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625.1	1	0.81	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.53	20.0
Isophorone	ug/L			ND	ND	ND	EPA 625.1	1	0.28	20.0
Lead	ug/L	1.92	2.89	1.16	2.53	5.49	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.05	0.09	0.13	EPA 245.1	0.5	0.012	0.04
Methyl Bromide	ug/L			ND	ND	ND	EPA 624.1	2	0.30	0.50
Methyl Chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.41	0.50
Methylene chloride	ug/L			0.84	1.4	2.0	EPA 624.1	2	0.46	0.50
Naphthalene	ug/L			ND	ND	ND	EPA 625.1	1	0.20	20.0
Nickel	ug/L			4.45	4.88	5.31	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625.1	1	0.31	20.0
n-Nitrosodimethylamine	ug/L			ND / ND	ND / ND	DNQ Est. Conc. 0.0095 / ND	EPA 1625B (Modified) / EPA 625.1	5	0.0005 / 0.50	0.020 / 100
n-nitrosodi-n-propylamine	ug/L			ND / ND	ND / ND	ND / ND	EPA 1625B (Modified) / EPA 625.1	5	0.0006 / 0.36	0.020 / 20.0
n-Nitrosodiphenylamine	ug/L			ND / ND	ND / ND	ND / ND	EPA 1625B (Modified) / EPA 625.1		0.0013 / 0.64	0.10 / 20.0
PCB-105	pg/L			82	82	82	EPA 1668C		4.2	21
PCB-110/115	pg/L			DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668C		3.8	430
PCB-114	pg/L			DNQ Est. Conc. 6.7	ND	DNQ Est. Conc. 6.7	EPA 1668C		4.2	21
PCB-118	pg/L			210	210	210	EPA 1668C		3.9	21
PCB-123	pg/L			ND	ND	ND	EPA 1668C		4.6	21
PCB-126	pg/L			ND	ND	ND	EPA 1668C		5.9	21
PCB-128/166	pg/L			DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23	EPA 1668C		2.7	430
PCB-129/138/163	pg/L			DNQ Est. Conc. 240	ND	DNQ Est. Conc. 240	EPA 1668C		2.9	640
PCB-135/151	pg/L			DNQ Est. Conc. 74	ND	DNQ Est. Conc. 74	EPA 1668C		3.0	430
PCB-147/149	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		2.8	430
PCB-153/168	pg/L			DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200	EPA 1668C		2.4	430
PCB-156/157	pg/L			46	46	46	EPA 1668C		13	43
PCB-158	pg/L			DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23	EPA 1668C		2.2	210
PCB-167	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668C		9.8	21

San Jose Creek West Water Reclamation Plant  
2020 INF-002 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 66		
PCB-177	pg/L								DNQ Est. Conc. 31		
PCB-18/30	pg/L								DNQ Est. Conc. 99		
PCB-180/193	pg/L								DNQ Est. Conc. 150		
PCB-183	pg/L								DNQ Est. Conc. 42		
PCB-187	pg/L								DNQ Est. Conc. 64		
PCB-189	pg/L								ND		
PCB-194	pg/L								DNQ Est. Conc. 44		
PCB-20/28	pg/L								DNQ Est. Conc. 280		
PCB-201	pg/L								DNQ Est. Conc. 7.4		
PCB-206	pg/L								DNQ Est. Conc. 23		
PCB-37	pg/L								DNQ Est. Conc. 58		
PCB-44/47/65	pg/L								3000 (1)		
PCB-49/69	pg/L								DNQ Est. Conc. 140		
PCB-52	pg/L								270		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 210		
PCB-66	pg/L								DNQ Est. Conc. 94		
PCB-77	pg/L								21		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 200		
PCB-90/101/113	pg/L								DNQ Est. Conc. 290		
PCB-99	pg/L								DNQ Est. Conc. 130		
PCBs as Aroclors	pg/L								ND		
PCBs as Congeners	pg/L								3629		
Pentachlorophenol	ug/L		ND						ND		
pH	SU	7.5	7.5	7.4	7.6	7.4	7.5	7.3	7.1	7.2	7.3
Phenanthrene	ug/L		ND						ND		
Phenol	ug/L		25.2						36.0		
Pyrene	ug/L		ND						ND		
Selenium	ug/L	1.12	DNQ Est. Conc. 0.92	1.55	DNQ Est. Conc. 0.92	1.15	1.05	1.11	1.47	DNQ Est. Conc. 0.92	DNQ Est. Conc. 0.90
Silver	ug/L		0.24						0.37		
Technical Chlordane	ug/L		ND						ND		
Tetrachloroethylene	ug/L		ND						ND		
Thallium	ug/L		ND						ND		
Toluene	ug/L		0.97						2.2		
Total BOD 20C	mg/L	263	260	293	272	256	274	323	332	363	267
Total Chromium	ug/L		5.13						4.16		
Total Suspended Solids	mg/L	324	422	329	304	347	337	477	357	546	318
Toxaphene	ug/L		ND						ND		
Trichloroethylene	ug/L		ND						ND		
Vinyl chloride	ug/L		ND						ND		
Zinc	ug/L		141						124		

San Jose Creek West Water Reclamation Plant  
2020 INF-002 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
PCB-169	pg/L			ND	ND	ND	EPA 1668C		12	21
PCB-170	pg/L			DNQ Est. Conc. 66	ND	DNQ Est. Conc. 66	EPA 1668C		3.3	210
PCB-177	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31	EPA 1668C		2.9	210
PCB-18/30	pg/L			DNQ Est. Conc. 99	ND	DNQ Est. Conc. 99	EPA 1668C		5.2	430
PCB-180/193	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		2.5	430
PCB-183	pg/L			DNQ Est. Conc. 42	ND	DNQ Est. Conc. 42	EPA 1668C		2.5	210
PCB-187	pg/L			DNQ Est. Conc. 64	ND	DNQ Est. Conc. 64	EPA 1668C		1.7	210
PCB-189	pg/L			ND	ND	ND	EPA 1668C		3.6	21
PCB-194	pg/L			DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44	EPA 1668C		2.9	210
PCB-20/28	pg/L			DNQ Est. Conc. 280	ND	DNQ Est. Conc. 280	EPA 1668C		17	430
PCB-201	pg/L			DNQ Est. Conc. 7.4	ND	DNQ Est. Conc. 7.4	EPA 1668C		2.0	210
PCB-206	pg/L			DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23	EPA 1668C		2.5	210
PCB-37	pg/L			DNQ Est. Conc. 58	ND	DNQ Est. Conc. 58	EPA 1668C		23	210
PCB-44/47/65	pg/L			3000 (1)	3000 (1)	3000 (1)	EPA 1668C		20	640
PCB-49/69	pg/L			DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668C		18	430
PCB-52	pg/L			270	270	270	EPA 1668C		20	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 210	ND	DNQ Est. Conc. 210	EPA 1668C		5.0	860
PCB-66	pg/L			DNQ Est. Conc. 94	ND	DNQ Est. Conc. 94	EPA 1668C		4.8	210
PCB-77	pg/L			21	21	21	EPA 1668C		6.1	21
PCB-81	pg/L			ND	ND	ND	EPA 1668C		6.4	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200	EPA 1668C		4.4	1,300
PCB-90/101/113	pg/L			DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668C		4.6	640
PCB-99	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668C		4.3	210
PCBs as Aroclors	pg/L			ND	ND	ND	Calculated			
PCBs as Congeners	pg/L			3629	3629	3629	Calculated			
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.82	20.0
pH	SU	7.3	7.5	7.1	7.4	7.6	SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L			ND	ND	ND	EPA 625.1	5	0.59	20.0
Phenol	ug/L			25.2	30.6	36.0	EPA 625.1	1	0.24	20.0
Pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.60	20.0
Selenium	ug/L	DNQ Est. Conc. 0.89	1.15	DNQ Est. Conc. 0.89	0.717	1.55	EPA 200.8	2	0.02	1.00
Silver	ug/L			0.24	0.31	0.37	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L			ND	ND	ND	EPA 608.3	0.1	0.02 - 0.04	0.50
Tetrachloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.18	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L			0.97	1.6	2.2	EPA 624.1	2	0.15	0.50
Total BOD 20C	mg/L	333	320	256	296	363	SM 5210B		0.6	100 - 120
Total Chromium	ug/L			4.16	4.65	5.13	EPA 200.8	0.5	0.10	0.50
Total Suspended Solids	mg/L	1160	344	304	439	1160	SM 2540D		2.5	50.0 - 83.3
Toxaphene	ug/L			ND	ND	ND	EPA 608.3	0.5	0.05 - 0.3	5.0
Trichloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.25	0.50
Zinc	ug/L			124	133	141	EPA 200.8	1	0.70	1.00

(1) Blank contamination observed.

## **San Jose Creek WRP, West, Effluent Monitoring**

San Jose Creek West Water Reclamation Plant  
2020 EFF-003 and Reuse Monitoring Results

Parameter	Units	January 2020 (1)	February 2020 (1)	March 2020 (1)	April 2020 (1)	May 2020 (1)	June 2020 (1)	July 2020 (1)	August 2020 (1)	September 2020 (1)	October 2020 (1)
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethene	ug/L		ND		ND		ND		ND		ND
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (2)						DNO Est. Conc. 3.1		
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (2)						DNO Est. Conc. 3.1 (3)		
1,2,3,4,7,8,9-HeptaCDD	pg/L		ND (2)						DNO Est. Conc. 3.5		
1,2,3,4,7,8-HexaCDD	pg/L		ND (2)						DNO Est. Conc. 6.8 (3)		
1,2,3,4,7,8-HexaCDF	pg/L		ND						DNO Est. Conc. 3.4 (3)		
1,2,3,6,7,8-HexaCDD	pg/L		ND (2)						DNO Est. Conc. 3.5		
1,2,3,6,7,8-HexaCDF	pg/L		ND (2)						DNO Est. Conc. 3.3 (3)		
1,2,3,7,8,9-HexaCDD	pg/L		ND (2)						DNO Est. Conc. 5.2		
1,2,3,7,8,9-HexaCDF	pg/L		ND (2)						DNO Est. Conc. 3.8		
1,2,3,7,8-PentaCDD	pg/L		ND (2)						ND		
1,2,3,7,8-PentaCDF	pg/L		ND (2)						DNO Est. Conc. 3.2		
1,2,3-Trichloropropane	ug/L		0.0089	DNO Est. Conc. 0.0032	DNO Est. Conc. 0.0042		DNO Est. Conc. 0.0020		DNO Est. Conc. 0.0023		
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L		1.2						3.1		
2,3,4,6,7,8-HexaCDF	pg/L		ND						DNO Est. Conc. 3.8		
2,3,4,7,8-PentaCDF	pg/L		ND						DNO Est. Conc. 4.2 (3)		
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		ND		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		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		ND
4,4-DDE	ug/L		ND		ND		ND		ND		ND
4,4-DDT	ug/L		ND		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		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
alpha-Endosulfan	ug/L		ND						0.01		
Ammonia as nitrogen	mg/L	1.76	2.18	1.54	1.46	2.70	1.81	1.66	1.58	1.15	1.11
Anthracene	ug/L		ND						ND		
Antimony	ug/L		DNO Est. Conc. 0.46				0.56		0.65		
Aroclor 1016	pg/L		ND		ND				ND		ND

San Jose Creek West Water Reclamation Plant  
2020 EFF-003 and Reuse Monitoring Results

Parameter	Units	November 2020 (1)	December 2020 (1)	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	1	0.16	0.50
1,1,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.13	0.50
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.08	0.50
1,1-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624.1	1	0.21	0.50
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (2)	ND	DNQ Est. Conc. 3.1			EPA 1613B	2000000	0.45 - 0.75	52 - 55
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (2)	ND	DNQ Est. Conc. 3.1 (3)			EPA 1613B	2000000	0.34 - 0.40	52 - 55
1,2,3,4,7,8,9-HeptaCDD	pg/L			ND (2)	ND	DNQ Est. Conc. 3.5			EPA 1613B	1000000	0.44 - 0.67	52 - 55
1,2,3,4,7,8-HexaCDD	pg/L			ND (2)	ND	DNQ Est. Conc. 6.8 (3)			EPA 1613B	1000000	0.67 - 1.0	52 - 55
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 3.4 (3)			EPA 1613B		1.1 - 1.3	52 - 55
1,2,3,6,7,8-HexaCDD	pg/L			ND (2)	ND	DNQ Est. Conc. 3.5			EPA 1613B		0.64 - 0.80	52 - 55
1,2,3,6,7,8-HexaCDF	pg/L			ND (2)	ND	DNQ Est. Conc. 3.3 (3)			EPA 1613B		0.83 - 1.1	52 - 55
1,2,3,7,8,9-HexaCDD	pg/L			ND (2)	ND	DNQ Est. Conc. 5.2			EPA 1613B		0.59 - 0.79	52 - 55
1,2,3,7,8,9-HexaCDF	pg/L			ND (2)	ND	DNQ Est. Conc. 3.8			EPA 1613B		0.62 - 0.68	52 - 55
1,2,3,7,8-PentaCDD	pg/L			ND (2)	ND	ND			EPA 1613B		0.69 - 1.5	52 - 55
1,2,3,7,8-PentaCDF	pg/L			ND (2)	ND	DNQ Est. Conc. 3.2			EPA 1613B		0.63 - 0.99	52 - 55
1,2,3-Trichloropropane	ug/L		DNQ Est. Conc. 0.0016	DNQ Est. Conc. 0.0016	0.0015	0.0089			EPA 524.2 (TCP)		0.0012	0.0050
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625.1		0.51	1.0
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624.1		0.15	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624.1		0.22	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624.1		0.14	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625.1	5	0.63	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624.1	1	0.06	0.50
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.15	0.50
1,3-Dichloropropene (Total)	ug/L		ND	ND	ND	ND			Calculated			
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.25	0.50
1,4-Dioxane	ug/L			1.2	2.2	3.1			SW-846 8270MOD 1,4-Dioxane		0.26	0.40
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 3.8			EPA 1613B	1000000	0.62 - 0.68	52 - 55
2,3,4,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 4.2 (3)			EPA 1613B	10000000	0.67 - 1.4	52 - 55
2,3,7,8-TCDD	pg/L		DNQ Est. Conc. 3.1	ND	ND	DNQ Est. Conc. 3.1			EPA 1613B	5000000	0.60 - 1.3	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	ND			EPA 1613B	5000000	0.52 - 0.65	10 - 11
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND			EPA 625.1	10	0.64	1.0
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625.1		0.60	1.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625.1		0.44	1.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625.1		1.5	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625.1		0.37	1.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625.1	5	0.50	1.0
2-Chloroethyl vinyl ether (mixed)	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.28	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625.1	5	0.41	1.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.41	1.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625.1	10	1.3	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625.1	5	0.31	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625.1	1	0.54	1.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.69	1.0
4,4-DDD	ug/L		ND	ND	ND	ND			EPA 608.3	5	0.003 - 0.005	0.01
4,4-DDE	ug/L		ND	ND	ND	ND			EPA 608.3	5	0.002 - 0.004	0.01
4,4-DDT	ug/L		ND	ND	ND	ND			EPA 608.3	10	0.001 - 0.004	0.01
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625.1	0.05	0.58	1.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625.1	0.05	0.63	1.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625.1	0.01	1.6	5.0
Acenaphthene	ug/L			ND	ND	ND			EPA 625.1	1	0.50	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625.1	10	0.50	1.0
Acrolein	ug/L			ND	ND	ND			EPA 624.1		0.64	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624.1		0.64	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608.3	0.005	0.002 - 0.003	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.001 - 0.003	0.01
alpha-Endosulfan	ug/L			ND	0.005	0.01			EPA 608.3	0.01	0.003 - 0.004	0.01
Ammonia as nitrogen	mg/L	3.30	1.25	1.11	1.79	3.30	6.3(4)/7.8(5)	4.0(4)/5.0(5)	SM 4500 NH3 G		0.020 - 0.050	0.100 - 0.500
Anthracene	ug/L			ND	ND	ND			EPA 625.1	10	0.56	1.0
Antimony	ug/L		0.61	DNQ Est. Conc. 0.46	0.46	0.65			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	pg/L			ND	ND	ND			EPA 608.3	0.5	0.02 - 0.1	0.1 - 0.5



San Jose Creek West Water Reclamation Plant  
2020 EFF-003 and Reuse Monitoring Results

Parameter	Units	January 2020 (1)	February 2020 (1)	March 2020 (1)	April 2020 (1)	May 2020 (1)	June 2020 (1)	July 2020 (1)	August 2020 (1)	September 2020 (1)	October 2020 (1)
Aroclor 1221	pg/L		ND		ND				ND		ND
Aroclor 1232	pg/L		ND		ND				ND		ND
Aroclor 1242	pg/L		ND		ND		ND		ND		ND
Aroclor 1248	pg/L		ND		ND				ND		ND
Aroclor 1254	pg/L		ND		ND		ND		ND		ND
Aroclor 1260	pg/L		ND		ND				ND		ND
Arsenic	ug/L		DNO Est. Conc. 0.86				1.03		1.72		
Barium	ug/L		45.9				23.6		46.2		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L			ND					ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND				ND		ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND				ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
beta-Endosulfan	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND		ND		ND		ND
Boron	mg/L	0.32	0.32	0.33	0.25	0.32	0.30	0.31	0.33	0.32	0.34
Bromodichloromethane	ug/L	11.2	17.0	19.7	17.4	16	15.6	1.0	8.8	14.1	14.7
Bromoform	ug/L	ND	DNO Est. Conc. 0.32	DNO Est. Conc. 0.35	DNO Est. Conc. 0.31	DNO Est. Conc. 0.22	ND	ND	ND	DNO Est. Conc. 0.20	ND
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		ND				ND		ND		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	122	115	121	93.2	110	111	115	121	125	119
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chlorodibromomethane	ug/L	2.4	3.5	3.7	3.4	3.0	3.4	ND	2.3	3.6	3.2
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	32.7	40.0	43.3	33.3	36.8	38.1	5.4	21.9	27.4	31.6
Chlorpyrifos	ug/L								ND		
Chromium III	ug/L		0.98				0.88		0.79		
Chromium VI	ug/L		0.09				0.09		DNO Est. Conc. 0.04		
Chrysene	ug/L		ND						ND		
Copper	ug/L		4.77			5.24	5.92		3.74		
Cyanide	ug/L		DNO Est. Conc. 1.23			ND			DNO Est. Conc. 1.33		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Diazinon	ug/L								ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L		ND						DNO Est. Conc. 0.50		
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	7.7	7.7	7.1	6.8	6.6	6.7	6.4	6.6	6.5
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L		ND						ND		
Endrin	ug/L		ND		ND		ND		ND		ND
Endrin aldehyde	ug/L		ND						ND		
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L		ND						ND		
Fluoride	mg/L		0.630		0.481		0.604		0.465		0.689
gamma-BHC	ug/L		DNO Est. Conc. 0.003		ND		ND		ND		ND
Gross Alpha Radioactivity	pCi/L		0.0699				1.09			-1.22	
Gross Beta Radioactivity	pCi/L		16.4				14.9			9.51	
Heptachlor	ug/L		ND		ND		ND		ND		ND

San Jose Creek West Water Reclamation Plant  
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Parameter	Units	November 2020 (1)	December 2020 (1)	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Aroclor 1221	pg/L			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.5
Aroclor 1232	pg/L			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.3 - 0.5
Aroclor 1242	pg/L		ND	ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1248	pg/L			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1254	pg/L		ND	ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1260	pg/L			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Arsenic	ug/L		DNO Est. Conc. 0.99	DNO Est. Conc. 0.86	0.688	1.72			EPA 200.8	2	0.06	1.00
Barium	ug/L		57.8	23.6	43.4	57.8			EPA 200.8		0.24	0.50
Benzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.09	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625.1	5	0.77	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625.1	5	0.46	1.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 525.2	10	0.013 - 0.10	0.020 - 0.50
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.015	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625.1	5	0.52	1.0
Benzo(k)fluoranthene	ug/L			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 608.3	0.005	0.003	0.005
beta-Endosulfan	ug/L			ND	ND	ND			EPA 608.3	0.02	0.003 - 0.004	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625.1	5	0.28	1.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625.1	1	0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625.1	2	0.25	1.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND			EPA 625.1	5	0.55	1.0
Boron	mg/L	0.32	0.30	0.25	0.31	0.34		1.0	EPA 200.8		0.017	0.020
Bromodichloromethane	ug/L	8.7	13.6	1.0	13	19.7			EPA 624.1	2	0.11	0.50
Bromoform	ug/L	ND	DNO Est. Conc. 0.33	ND	ND	DNO Est. Conc. 0.35			EPA 624.1	2	0.18	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.58	1.0
Cadmium	ug/L		ND	ND	ND	ND			EPA 200.8	0.25	0.066	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.18	0.50
Chloride	mg/L	117	123	93.2	116	125		180	EPA 300.0		0.12 - 0.14	10 - 4
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.10	0.50
Chlorodibromomethane	ug/L	1.4	2.7	ND	2.7	3.7			EPA 624.1	2	0.11	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.31	0.50
Chloroform	ug/L	18.7	26.8	5.4	30	43.3			EPA 624.1	2	0.08	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L		1.67	0.79	1.1	1.67			Calculated			
Chromium VI	ug/L		0.22	DNO Est. Conc. 0.04	0.1	0.22			EPA 218.6 (Dissolved)		0.01 - 0.03	0.05
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.014	0.020
Copper	ug/L	3.46	7.01	3.46	5.02	7.01			EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L	DNO Est. Conc. 1.94		ND	ND	DNO Est. Conc. 1.94			SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608.3	0.005	0.003 - 0.004	0.005
Diazinon	ug/L			ND	ND	ND			SW-846 8141A	10	0.004	0.05
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	0.098	0.049	EPA 610	10	0.014	0.020
Dieldrin	ug/L		DNO Est. Conc. 0.003	ND	ND	DNO Est. Conc. 0.003			EPA 608.3		0.0009 - 0.003	0.01
Diethyl phthalate	ug/L			ND	ND	DNO Est. Conc. 0.50			EPA 625.1	10	0.42	1.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625.1	0.01	0.41	1.0
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625.1	2	0.59	1.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625.1	2	0.69	1.0
Dissolved oxygen	mg/L	7.1	5.7	5.7	6.8	7.7			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608.3	0.05	0.004 - 0.02	0.01 - 0.04
Endrin	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.001 - 0.004	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608.3	0.01	0.003 - 0.006	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625.1	1	0.69	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625.1	10	0.58	1.0
Fluoride	mg/L		0.552	0.465	0.570	0.689			SM 4500 F C		0.016 - 0.040	0.100
gamma-BHC	ug/L		ND	ND	ND	DNO Est. Conc. 0.003			EPA 608.3	0.02	0.002 - 0.003	0.01
Gross Alpha Radioactivity	pCi/L		13.7	-1.22	3.41	13.7		15	EPA 900.0		2.76 - 5.20	3.00
Gross Beta Radioactivity	pCi/L		48.6	9.51	22.4	48.6			EPA 900.0		1.63 - 2.20	4.00
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.002 - 0.005	0.01

San Jose Creek West Water Reclamation Plant  
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Parameter	Units	January 2020 (1)	February 2020 (1)	March 2020 (1)	April 2020 (1)	May 2020 (1)	June 2020 (1)	July 2020 (1)	August 2020 (1)	September 2020 (1)	October 2020 (1)
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND				ND		ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND				ND		ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Iron	ug/L		46				37		40		
Isophorone	ug/L		ND						ND		
Lead	ug/L	0.25	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.18
Mercury	ug/L		0.0018				0.0016		0.0040		
Methyl Bromide	ug/L		ND		ND		ND		ND		ND
Methyl Chloride	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
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		1.26				1.72		2.99		
Nitrate + nitrite as nitrogen	mg/L	5.49	5.94	7.69	7.73	5.91	7.79	6.63	5.25	4.41	6.48
Nitrate as nitrogen	mg/L	5.35	5.79	7.57	7.61	5.70	7.64	6.40	4.99	4.35	6.43
Nitrite as nitrogen	mg/L	0.142	0.150	0.121	0.12	0.205	0.153	0.234	0.262	0.055	0.050
Nitrobenzene	ug/L		ND						ND		
n-Nitrosodimethylamine	ug/L	0.037	0.022	0.022	0.010	0.020	0.022	0.035	0.018	0.015	0.020
N-nitrosodi-n-propylamine	ug/L		ND / ND						ND / ND		
n-Nitrosodiphenylamine	ug/L		ND / ND						ND / ND		
OctaCDD	pg/L		ND (2)						ND (2)		
OctaCDF	pg/L		ND (2)						DNQ Est. Conc. 4.7		
Oil and grease	mg/L		ND			ND			DNQ Est. Conc. 4.1		
Organic Nitrogen	mg/L	1.99	1.02	0.805	ND	1.08	0.658	1.12	1.84	1.45	1.49
Orthophosphate-P	mg/L	0.444	0.290	0.444	1.26	1.67	1.29	0.916	0.145	0.874	5.58
PCB-105	pg/L								ND		
PCB-110/115	pg/L								DNQ Est. Conc. 9.8		
PCB-114	pg/L								ND		
PCB-118	pg/L								DNQ Est. Conc. 5.0		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								ND		
PCB-129/138/163	pg/L								DNQ Est. Conc. 3.4		
PCB-135/151	pg/L								ND		
PCB-147/149	pg/L								DNQ Est. Conc. 3.4 (3)		
PCB-153/168	pg/L								DNQ Est. Conc. 3.7		
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. 11		
PCB-180/193	pg/L								DNQ Est. Conc. 2.4		
PCB-183	pg/L								DNQ Est. Conc. 1.6 (3)		
PCB-187	pg/L								ND		
PCB-189	pg/L								ND		
PCB-194	pg/L								ND		
PCB-20/28	pg/L								DNQ Est. Conc. 16		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCB-37	pg/L								ND		
PCB-44/47/65	pg/L								ND (2)		
PCB-49/69	pg/L								DNQ Est. Conc. 5.6		
PCB-52	pg/L								DNQ Est. Conc. 14		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 13		
PCB-66	pg/L								DNQ Est. Conc. 4.7		
PCB-77	pg/L								ND		

San Jose Creek West Water Reclamation Plant  
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Parameter	Units	November 2020 (1)	December 2020 (1)	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608.3	0.01	0.003 - 0.005	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1		0.0045 - 0.47	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625.1	1	0.96	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1	5	0.03 - 2.0	0.050 - 5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625.1	1	0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.013	0.020
Iron	ug/L		240	37	91	240			EPA 200.8		0.003	0.020
Isophorone	ug/L			ND	ND	ND			EPA 625.1	1	0.28	1.0
Lead	ug/L	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.13	0.021	0.25	166(6)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L		0.0017	0.0016	0.0023	0.0040			EPA 1631E		0.000047	0.00050
Methyl Bromide	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.30	0.50
Methyl Chloride	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.41	0.50
Methyl Tert-butyl Ether	ug/L		ND	ND	ND	ND			EPA 624.1		0.08	0.50
Methylene chloride	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.46	0.50
Naphthalene	ug/L			ND	ND	ND			EPA 625.1	5	0.20	1.0
Nickel	ug/L		1.68	1.26	1.91	2.99			EPA 200.8		0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	4.65	6.07	4.41	6.17	7.79		8	Calculated			
Nitrate as nitrogen	mg/L	4.47	5.87	4.35	6.01	7.64			SM 4500 NO3 F		0.030 - 0.093	0.200
Nitrite as nitrogen	mg/L	0.18	0.202	0.050	0.16	0.262		1	SM 4500 NO3 F	0.001	0.003 - 0.012	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625.1	1	0.31	1.0
n-Nitrosodimethylamine	ug/L	0.023	0.014	0.010	0.022	0.037			EPA 1625B (Modified)		0.0005	0.010
N-nitrosodi-n-propylamine	ug/L			ND / ND	ND / ND	ND / ND			EPA 1625B (Modified) / EPA 625.1		0.0006 / 0.36	0.010 / 1.0
n-Nitrosodiphenylamine	ug/L			ND / ND	ND / ND	ND / ND			EPA 1625B (Modified) / EPA 625.1	1	0.0013 / 0.64	0.050 / 1.0
OctaCDD	pg/L			ND (2)	ND	ND (2)			EPA 1613B		0.62 - 0.81	100 - 110
OctaCDF	pg/L			ND (2)	ND	DNQ Est. Conc. 4.7			EPA 1613B		0.73 - 0.74	100 - 110
Oil and grease	mg/L	DNQ Est. Conc. 2.1		ND	ND	DNQ Est. Conc. 4.1	15	10	EPA 1664A		1.4	4.7 - 4.8
Organic Nitrogen	mg/L	1.72	0.972	ND	1.18	1.99			Calculated			
Orthophosphate-P	mg/L	0.319	0.276	0.145	1.13	5.58			EPA 365.1		0.006 - 0.010	0.030 - 0.300
PCB-105	pg/L			ND	ND	ND			EPA 1668C		1.9	21
PCB-110/115	pg/L			DNQ Est. Conc. 9.8	ND	DNQ Est. Conc. 9.8			EPA 1668C		1.8	430
PCB-114	pg/L			ND	ND	ND			EPA 1668C		2.1	21
PCB-118	pg/L			DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0			EPA 1668C		1.9	21
PCB-123	pg/L			ND	ND	ND			EPA 1668C		2.2	21
PCB-126	pg/L			ND	ND	ND			EPA 1668C		2.4	21
PCB-128/166	pg/L			ND	ND	ND			EPA 1668C		0.8	430
PCB-129/138/163	pg/L			DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668C		0.86	640
PCB-135/151	pg/L			ND	ND	ND			EPA 1668C		0.87	430
PCB-147/149	pg/L			DNQ Est. Conc. 3.4 (3)	ND	DNQ Est. Conc. 3.4 (3)			EPA 1668C		0.83	430
PCB-153/168	pg/L			DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 3.7			EPA 1668C		0.70	430
PCB-156/157	pg/L			ND	ND	ND			EPA 1668C		0.96	43
PCB-158	pg/L			ND	ND	ND			EPA 1668C		0.64	210
PCB-167	pg/L			ND	ND	ND			EPA 1668C		0.73	21
PCB-169	pg/L			ND	ND	ND			EPA 1668C		0.74	21
PCB-170	pg/L			ND	ND	ND			EPA 1668C		1.0	210
PCB-177	pg/L			ND	ND	ND			EPA 1668C		0.88	210
PCB-18/30	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668C		2.3	430
PCB-180/193	pg/L			DNQ Est. Conc. 2.4	ND	DNQ Est. Conc. 2.4			EPA 1668C		0.76	430
PCB-183	pg/L			DNQ Est. Conc. 1.6 (3)	ND	DNQ Est. Conc. 1.6 (3)			EPA 1668C		0.75	210
PCB-187	pg/L			ND	ND	ND			EPA 1668C		0.96	210
PCB-189	pg/L			ND	ND	ND			EPA 1668C		0.99	21
PCB-194	pg/L			ND	ND	ND			EPA 1668C		0.97	210
PCB-20/28	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16			EPA 1668C		3.6	430
PCB-201	pg/L			ND	ND	ND			EPA 1668C		0.71	210
PCB-206	pg/L			ND	ND	ND			EPA 1668C		1.2	210
PCB-37	pg/L			ND	ND	ND			EPA 1668C		4.2	210
PCB-44/47/65	pg/L			ND (2)	ND (2)	ND (2)			EPA 1668C		2.3	640
PCB-49/69	pg/L			DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6			EPA 1668C		2.0	430
PCB-52	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668C		2.2	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668C		1.8	860
PCB-66	pg/L			DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7			EPA 1668C		1.7	210
PCB-77	pg/L			ND	ND	ND			EPA 1668C		2.6	21

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2020 EFF-003 and Reuse Monitoring Results

Parameter	Units	January 2020 (1)	February 2020 (1)	March 2020 (1)	April 2020 (1)	May 2020 (1)	June 2020 (1)	July 2020 (1)	August 2020 (1)	September 2020 (1)	October 2020 (1)
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								ND		
PCB-90/101/113	pg/L								DNO Est. Conc. 8.0		
PCB-99	pg/L								ND		
PCBs as Aroclors	pg/L		ND		ND		ND		ND		ND
PCBs as Congeners	pg/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.36	0.23	0.4	0.37	0.41	0.071	2.1	0.32	0.94	0.73
pH (SJC)	SU	7.6	7.5	7.8	7.4	7.4	7.5	7.7	7.6	7.4	7.6
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		ND		ND		ND		ND		ND
Pyrene	ug/L		ND						ND		
Radium-226 + radium-228	pCi/L		0.0234				0.178			0.573	
Selenium	ug/L	DNO Est. Conc. 0.35	DNO Est. Conc. 0.28	DNO Est. Conc. 0.31	DNO Est. Conc. 0.32	DNO Est. Conc. 0.36	DNO Est. Conc. 0.29	DNO Est. Conc. 0.29	DNO Est. Conc. 0.56	DNO Est. Conc. 0.44	DNO Est. Conc. 0.30
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				ND		ND		
Strontium-90	pCi/L		-0.0219				0.566			0.0852	
Sulfate	mg/L	82.4	77.9	83.8	78.8	82.8	84.5	92.4	100	124	110
Surfactant (CTAS)	mg/L		ND			ND			ND		
Surfactant (MBAS)	mg/L		ND		ND	ND	ND		DNO Est. Conc. 0.03		DNO Est. Conc. 0.03
Technical Chlordane	ug/L		ND				ND		ND		
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		ND		DNO Est. Conc. 0.17		ND		ND		ND
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons	ug/L		ND			ND			ND		
Total Chromium	ug/L		1.07				0.97		0.79		
Total Coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	556	534	578	532	548	535	582	637	612	628
Total Hardness	mg/L	215	216	213	189	215	215	218	225	218	215
Total Kjeldahl Nitrogen (TKN)	mg/L	3.75	3.20	2.34	1.16	3.78	2.47	2.78	3.42	2.60	2.60
Total Nitrogen	mg/L	9.24	9.14	10.0	11.0	9.68	10.3	9.40	8.68	6.68	11.4
Total Phosphorous	mg/L	0.506	0.365	0.519	1.35	1.77	1.39	1.01	0.265	1.03	6.11
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	ug/L	46.3	60.5	66.7	54.1	55.4	57.1	6.4	33.0	45.1	49.4
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic Equivalence	pg/L		ND						ND		
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		55.9				-145			-119	
Turbidity (flow proportioned avg daily value)	NTU	0.55	0.55	0.72	0.58	0.65	0.50	0.50	0.65	0.55	0.60
Uranium	pCi/L		1.68				1.69			0.643	
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		58.6				57.5		45.5		

San Jose Creek West Water Reclamation Plant  
2020 EFF-003 and Reuse Monitoring Results

Parameter	Units	November 2020 (1)	December 2020 (1)	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
PCB-81	pg/L			ND	ND	ND			EPA 1668C		2.7	21
PCB-86/87/97/108/119/125	pg/L			ND	ND	ND			EPA 1668C		2.1	1,300
PCB-90/101/113	pg/L			DNQ Est. Conc. 8.0	ND	DNQ Est. Conc. 8.0			EPA 1668C		2.2	640
PCB-99	pg/L			ND	ND	ND			EPA 1668C		2.0	210
PCBs as Aroclors	pg/L		ND	ND	ND	ND			Calculated			
PCBs as Congeners	pg/L			ND	ND	ND			Calculated			
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625.1	5	0.82	1.0
Perchlorate	ug/L	0.35	0.93	0.071	0.6	2.1			EPA 331.0		0.0201	0.05
pH (SJC)	SU	7.3	7.1	7.1	7.5	7.8			SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625.1	5	0.59	1.0
Phenol	ug/L		ND	ND	ND	ND			EPA 625.1	1	0.24	1.0
Pyrene	ug/L			ND	ND	ND			EPA 625.1	10	0.60	1.0
Radium-226 + radium-228	pCi/L		0.121	0.0234	0.224	0.573		5	Drinking H2O Radium Sum Method			
Selenium	ug/L	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.27	ND	DNQ Est. Conc. 0.56			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	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L		0.00973	-0.0219	0.160	0.566		8	EPA 905.0		0.278 - 0.945	3.00
Sulfate	mg/L	98.4	91.0	77.9	92.2	124		300	EPA 300.0		0.110 - 0.140	1.00 - 2.50
Surfactant (CTAS)	mg/L	ND		ND	ND	ND			SM 5540D		0.06 - 0.10	0.10
Surfactant (MBAS)	mg/L	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.03	ND	ND	DNQ Est. Conc. 0.05		0.5	SM 5540C		0.017 - 0.03	0.10
Technical Chlordane	ug/L			ND	ND	ND			EPA 608.3	0.1	0.02 - 0.04	0.05
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.18	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.17			EPA 624.1	2	0.15	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Total chlorinated hydrocarbons	ug/L	ND		ND	ND	ND			Calculated			
Total Chromium	ug/L		1.89	0.79	1.2	1.89			EPA 200.8	0.5	0.10	0.50
Total Coliform	No./100mL	ND	ND	ND	ND	ND	(7)	(7)	SM 9222B			1
Total Dissolved Solids	mg/L	600	595	532	578	637		750	SM 2540C		2.7	50.0 - 100
Total Hardness	mg/L	211	216	189	214	225			Calculated			
Total Kjeldahl Nitrogen (TKN)	mg/L	5.02	2.22	1.16	2.95	5.02			EPA 351.2		0.120 - 0.170	0.200 - 0.500
Total Nitrogen	mg/L	8.72	8.29	6.68	9.38	11.4			Total Nitrogen Calculation			0.200
Total Phosphorous	mg/L	0.375	0.342	0.265	1.25	6.11			EPA 365.1		0.014 - 0.026	0.030 - 0.060
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total Trihalomethanes	ug/L	28.8	43.1	6.4	45.5	66.7		80	EPA 624.1			
Toxaphene	ug/L			ND	ND	ND			EPA 608.3	0.5	0.05 - 0.3	0.5
Toxic Equivalence	pg/L			ND	ND	ND			Calculated			
Trichloroethylene	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.15	0.50
Tritium	pCi/L		-83.3	-145	-72.9	55.9		20000	EPA 906.0		319 - 362	500
Turbidity (flow proportioned avg daily value)	NTU	DNQ Est. Conc. 0.45	0.50	DNQ Est. Conc. 0.45	0.55	0.72	2		SM 2130B		0.057 - 0.12	0.50
Uranium	pCi/L		0.660	0.643	1.17	1.69		20	EPA 908.0		0.0667 - 0.316	1.00
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624.1	2	0.25	0.50
Zinc	ug/L		55.0	45.5	54.2	58.6			EPA 200.8	1	0.70	1.00

(1) No discharge at EFF-003 during this month.

(2) Blank contamination observed.

(3) 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.

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

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

(6) Wet weather limit.

(7) 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  
2020 INF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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-Dichloroethylene	ug/L	ND						ND			
1,2,4-Trichlorobenzene	ug/L	ND			ND			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-trans-Dichloroethylene	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			ND			ND
2,4-Dichlorophenol	ug/L	ND			ND			ND			ND
2,4-Dimethylphenol	ug/L	ND			ND			ND			ND
2,4-Dinitrophenol	ug/L	ND			ND			ND			ND
2,4-Dinitrotoluene	ug/L	ND			ND			ND			ND
2,6-Dinitrotoluene	ug/L	ND			ND			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
3,3'-Dichlorobenzidine	ug/L	ND			ND			ND			ND
3-Methyl-4-chlorophenol	ug/L	ND			ND			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			ND			ND
4-Chlorophenyl phenyl ether	ug/L	ND			ND			ND			ND
4-Nitrophenol	ug/L	ND			ND			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			
alpha-Endosulfan	ug/L	ND						ND			
Anthracene	ug/L	ND			ND			ND			ND
Antimony	ug/L	1.01			DNQ Est. Conc. 0.49			0.97			0.77
Aroclor 1016	pg/L	ND						ND			
Aroclor 1221	pg/L	ND						ND			
Aroclor 1232	pg/L	ND						ND			
Aroclor 1242	pg/L	ND						ND			
Aroclor 1248	pg/L	ND						ND			
Aroclor 1254	pg/L	ND						ND			
Aroclor 1260	pg/L	ND						ND			
Arsenic	ug/L	1.69			1.18			1.62			1.98
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
Benzo(k)fluoranthene	ug/L	ND			ND			ND			ND
Beryllium	ug/L	ND			ND			ND			ND



Saugus Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624.1	1	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.13	0.50
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624.1	1	0.08	0.50
1,1-Dichloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.21	0.50
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625.1	5	0.51	20.0 - 40.0
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624.1	1	0.14	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625.1	1	0.63	20.0 - 40.0
1,2-trans-Dichloroethylene	ug/L			ND	ND	ND	EPA 624.1	1	0.06	0.50
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	Calculated	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.25	0.50
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.61 - 1.6	10
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625.1	10	0.64	20.0 - 40.0
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.60	20.0 - 40.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625.1	2	0.44	20.0 - 40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625.1	5	1.5	100 - 200
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1	5	0.37	20.0 - 40.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1	5	0.50	20.0 - 40.0
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624.1	1	0.28	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625.1	10	0.41	20.0 - 40.0
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.41	20.0 - 40.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625.1	5	1.3	100 - 200
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1	10	0.31	20.0 - 40.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625.1	5	0.54	20.0 - 40.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625.1	1	0.69	20.0 - 40.0
4,4-DDD	ug/L			ND	ND	ND	EPA 608.3	0.05	0.005	0.10
4,4-DDE	ug/L			ND	ND	ND	EPA 608.3	0.05	0.004	0.10
4,4-DDT	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001	0.10
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625.1	5	0.58	20.0 - 40.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625.1	5	0.63	20.0 - 40.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1	10	1.6	100 - 200
Acenaphthene	ug/L			ND	ND	ND	EPA 625.1	1	0.50	20.0 - 40.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625.1	10	0.50	20.0 - 40.0
Acrolein	ug/L			ND	ND	ND	EPA 624.1		0.64	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624.1		0.64	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608.3	0.005	0.003	0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001	0.10
alpha-Endosulfan	ug/L			ND	ND	ND	EPA 608.3	0.02	0.004	0.10
Anthracene	ug/L			ND	ND	ND	EPA 625.1	10	0.56	20.0 - 40.0
Antimony	ug/L			DNO Est. Conc. 0.49	0.69	1.01	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	pg/L			ND	ND	ND	EPA 608.3	500000	20000	1000000
Aroclor 1221	pg/L			ND	ND	ND	EPA 608.3	500000	80000	5000000
Aroclor 1232	pg/L			ND	ND	ND	EPA 608.3	500000	80000	3000000
Aroclor 1242	pg/L			ND	ND	ND	EPA 608.3	500000	80000	1000000
Aroclor 1248	pg/L			ND	ND	ND	EPA 608.3	500000	80000	1000000
Aroclor 1254	pg/L			ND	ND	ND	EPA 608.3	500000	80000	1000000
Aroclor 1260	pg/L			ND	ND	ND	EPA 608.3	500000	80000	1000000
Arsenic	ug/L			1.18	1.62	1.98	EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND	EPA 624.1	2	0.09	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625.1	5	0.77	100 - 200
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	EPA 625.1	5	0.46	10.0 - 40.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.54	20.0 - 40.0
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625.1	10	0.61	20.0 - 40.0
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625.1	5	0.52	20.0 - 40.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625.1	10	0.53	20.0 - 40.0
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.020	0.25

Saugus Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
beta-BHC	ug/L	ND						ND			
beta-Endosulfan	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	ND			ND			ND			ND
BOD	mg/L	338	335	301	343	318	311	316	299	300	293
Bromodichloromethane	ug/L	4.0	0.83	3.9	2.2	2.9	1.8	1.7	1.9	2.7	2.0
Bromoform	ug/L	1.3	1.3	1.3	0.99	1.3	1.1	0.76	1.1	1.0	0.78
Butyl benzyl phthalate	ug/L	ND			ND			ND			ND
Cadmium	ug/L	0.40			DNQ Est. Conc. 0.14			0.50			0.21
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	102	98.7	96.2	88.1	91.2	89.2	87.4	88.9	89.9	91.5
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	2.6	1.2	2.4	1.8	2.0	1.6	1.0	1.9	1.9	1.8
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	7.8	1.7	5.6	4.3	4.6	3.5	3.6	2.9	3.9	2.7
Chromium III	ug/L	1.21						2.47			
Chromium VI	ug/L	0.14						ND			
Chrysene	ug/L	ND			ND			ND			ND
Copper	ug/L	119	106	111	57.8	113	162	111	59.8	224	74.5
Cyanide	ug/L	ND	DNQ Est. Conc. 1.2	DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 3.0	DNQ Est. Conc. 1.4	DNQ Est. Conc. 1.13	DNQ Est. Conc. 2.32	DNQ Est. Conc. 1.89	DNQ Est. Conc. 3.30
delta-BHC	ug/L	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
Di-n-butyl phthalate	ug/L	ND			ND			ND			ND
Di-n-octyl phthalate	ug/L	ND			ND			ND			ND
Endosulfan sulfate	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Endrin aldehyde	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	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Heptachlor epoxide	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	2.66	1.29	2.96	0.53	2.04	3.75	1.36	0.95	3.72	1.34
Mercury	ug/L	0.37	0.049	ND	DNQ Est. Conc. 0.026	0.044	0.13	0.053	DNQ Est. Conc. 0.039	0.12	0.055
Methyl Bromide	ug/L	ND						ND			
Methyl Chloride	ug/L	ND						ND			
Methylene chloride	ug/L	ND						2.6			
Naphthalene	ug/L	ND			ND			ND			ND
Nickel	ug/L	5.81	3.06	4.32	1.96	3.72	6.57	4.36	3.17	10.1	2.84
Nitrobenzene	ug/L	ND			ND			ND			ND
n-Nitrosodimethylamine	ug/L	ND			ND			ND			ND
N-nitrosodi-n-propylamine	ug/L	ND			ND			ND			ND
n-Nitrosodiphenylamine	ug/L	ND			ND			ND			ND
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 500			
PCB-105	pg/L							140			
PCB-110/115	pg/L							490			

Saugus Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
beta-BHC	ug/L			ND	ND	ND	EPA 608.3	0.005	0.003	0.05
beta-Endosulfan	ug/L			ND	ND	ND	EPA 608.3	0.01	0.003	0.10
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625.1	5	0.28	20.0 - 40.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625.1	1	0.27	20.0 - 40.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625.1	2	0.25	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND	EPA 625.1	5	0.55	20.0 - 40.0
BOD	mg/L	347	361	293	322	361	SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L	2.1	2.2	0.83	2.4	4.0	EPA 624.1	2	0.11	0.50
Bromoform	ug/L	0.62	0.85	0.62	1.0	1.3	EPA 624.1	2	0.18	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0 - 40.0
Cadmium	ug/L			DNQ Est. Conc. 0.14	0.28	0.50	EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624.1	2	0.18	0.50
Chlordane	ug/L			ND	ND	ND	EPA 608.3	0.1	0.039	0.50
Chloride	mg/L	90.3	91.4	87.4	92.1	102	EPA 300.0		0.12 - 0.14	10
Chlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.10	0.50
Chlorodibromomethane	ug/L	1.4	1.4	1.0	1.8	2.6	EPA 624.1	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.31	0.50
Chloroform	ug/L	2.9	2.6	1.7	3.8	7.8	EPA 624.1	2	0.08	0.50
Chromium III	ug/L			1.21	1.84	2.47	Calculated			
Chromium VI	ug/L			ND	0.07	0.14	EPA 218.6 (Dissolved)		0.014	0.05
Chrysene	ug/L			ND	ND	ND	EPA 625.1	10	0.41	20.0 - 40.0
Copper	ug/L	95.6	53.9	53.9	107	224	EPA 200.8	0.5	0.05	0.50 - 10.0
Cyanide	ug/L	DNQ Est. Conc. 2.72	DNQ Est. Conc. 2.98	ND	ND	DNQ Est. Conc. 3.30	SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L			ND	ND	ND	EPA 608.3	0.005	0.004	0.05
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0 - 40.0
Dieldrin	ug/L			ND	ND	ND	EPA 608.3	0.01	0.0009	0.10
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625.1	2	0.42	20.0 - 40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625.1	2	0.41	20.0 - 40.0
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.59	20.0 - 40.0
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.69	20.0 - 40.0
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608.3	0.05	0.02	0.40
Endrin	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001	0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608.3	0.01	0.006	0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625.1	1	0.69	20.0 - 40.0
Fluorene	ug/L			ND	ND	ND	EPA 625.1	10	0.58	20.0 - 40.0
gamma-BHC	ug/L			ND	ND	ND	EPA 608.3	0.02	0.002	0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608.3	0.01	0.005	0.10
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608.3	0.01	0.005	0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625.1	1	0.47	20.0 - 40.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625.1	1	0.96	20.0 - 40.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625.1	5	2.0	100 - 200
Hexachloroethane	ug/L			ND	ND	ND	EPA 625.1	1	0.81	20.0 - 40.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.53	20.0 - 40.0
Isophorone	ug/L			ND	ND	ND	EPA 625.1	1	0.28	20.0 - 40.0
Lead	ug/L	2.98	0.51	0.51	2.0	3.75	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.054	DNQ Est. Conc. 0.034	ND	0.073	0.37	EPA 245.1	0.5	0.012	0.040
Methyl Bromide	ug/L			ND	ND	ND	EPA 624.1	2	0.30	0.50
Methyl Chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.41	0.50
Methylene chloride	ug/L			ND	1.3	2.6	EPA 624.1	2	0.46	0.50
Naphthalene	ug/L			ND	ND	ND	EPA 625.1	1	0.20	20.0 - 40.0
Nickel	ug/L	4.94	2.21	1.96	4.42	10.1	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625.1	1	0.31	20.0 - 40.0
n-Nitrosodimethylamine	ug/L			ND	ND	ND	EPA 625.1	5	0.50	100 - 200
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625.1	5	0.36	20.0 - 40.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625.1	1	0.64	20.0 - 40.0
PCB-101 (Co: 90/101/113)	pg/L			DNQ Est. Conc. 500	ND	DNQ Est. Conc. 500	EPA 1668C		12	600
PCB-105	pg/L			140	140	140	EPA 1668C		11	20
PCB-110/115	pg/L			490	490	490	EPA 1668C		10	400

Saugus Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
PCB-114	pg/L							ND			
PCB-118	pg/L							400			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-128/166	pg/L							DNQ Est. Conc. 42			
PCB-135/151	pg/L							DNQ Est. Conc. 52 (1)			
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 300			
PCB-147/149	pg/L							DNQ Est. Conc. 160 (2)			
PCB-153/168	pg/L							DNQ Est. Conc. 240 (2)			
PCB-156/157	pg/L							76			
PCB-158	pg/L							DNQ Est. Conc. 12 (1)			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							DNQ Est. Conc. 96			
PCB-177	pg/L							DNQ Est. Conc. 40			
PCB-18/30	pg/L							DNQ Est. Conc. 110			
PCB-180/193	pg/L							DNQ Est. Conc. 230			
PCB-183	pg/L							ND			
PCB-187	pg/L							DNQ Est. Conc. 51			
PCB-189	pg/L							ND			
PCB-194	pg/L							DNQ Est. Conc. 62			
PCB-20/28	pg/L							DNQ Est. Conc. 280			
PCB-201	pg/L							DNQ Est. Conc. 3.5 (1)			
PCB-206	pg/L							DNQ Est. Conc. 33 (1)			
PCB-37	pg/L							ND			
PCB-44/47/65	pg/L							2600 (2)			
PCB-49/69	pg/L							DNQ Est. Conc. 180			
PCB-52	pg/L							580 (2)			
PCB-61/70/74/76	pg/L							ND			
PCB-66	pg/L							400			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 320			
PCB-99	pg/L							200			
PCBs as Aroclors	pg/L	ND						ND			
PCBs as Congeners	pg/L							4890			
Pentachlorophenol	ug/L	ND			ND			ND			ND
pH	SU	8.1	8.4	8.2	8.1	8.2	8.2	8.2	8.1	8.1	8.3
Phenanthrene	ug/L	ND			ND			ND			ND
Phenol	ug/L	44.9			28.1			DNQ Est. Conc. 20.5			32.3
Pyrene	ug/L	ND			ND			ND			ND
Selenium	ug/L	1.11			DNQ Est. Conc. 0.62			1.27			DNQ Est. Conc. 0.97
Silver	ug/L	0.56			0.35			0.48			0.23
Tetrachloroethylene	ug/L	ND						ND			
Thallium	ug/L	ND			ND			ND			ND
Toluene	ug/L	0.53						0.63			
Total Chromium	ug/L	1.34						2.47			
Total Suspended Solids	mg/L	873	612	1640	1030	1650	384	791	330	278	320
Total Trihalomethanes	ug/L	15.7	5.0	13.2	9.3	10.8	8.0	7.1	7.8	9.5	7.3
Toxaphene	ug/L	ND						ND			
Trichloroethylene	ug/L	ND						ND			
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	315	173	225	108	227	294	217	155	351	122

Saugus Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
PCB-114	pg/L			ND	ND	ND	EPA 1668C		11	20
PCB-118	pg/L			400	400	400	EPA 1668C		11	20
PCB-123	pg/L			ND	ND	ND	EPA 1668C		12	20
PCB-126	pg/L			ND	ND	ND	EPA 1668C		13	20
PCB-128/166	pg/L			DNQ Est. Conc. 42	ND	DNQ Est. Conc. 42	EPA 1668C		4.6	400
PCB-135/151	pg/L			DNQ Est. Conc. 52 (1)	ND (1)	DNQ Est. Conc. 52 (1)	EPA 1668C		5.0	400
PCB-138 (Co: 129/138/163)	pg/L			DNQ Est. Conc. 300	ND	DNQ Est. Conc. 300	EPA 1668C		4.9	600
PCB-147/149	pg/L			DNQ Est. Conc. 160 (2)	ND (2)	DNQ Est. Conc. 160 (2)	EPA 1668C		4.8	400
PCB-153/168	pg/L			DNQ Est. Conc. 240 (2)	ND (2)	DNQ Est. Conc. 240 (2)	EPA 1668C		4.0	400
PCB-156/157	pg/L			76	76	76	EPA 1668C		19	40
PCB-158	pg/L			DNQ Est. Conc. 12 (1)	ND (1)	DNQ Est. Conc. 12 (1)	EPA 1668C		3.6	200
PCB-167	pg/L			ND	ND	ND	EPA 1668C		15	20
PCB-169	pg/L			ND	ND	ND	EPA 1668C		15	20
PCB-170	pg/L			DNQ Est. Conc. 96	ND	DNQ Est. Conc. 96	EPA 1668C		4.4	200
PCB-177	pg/L			DNQ Est. Conc. 40	ND	DNQ Est. Conc. 40	EPA 1668C		3.9	200
PCB-18/30	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668C		9.6	400
PCB-180/193	pg/L			DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668C		3.3	400
PCB-183	pg/L			ND	ND	ND	EPA 1668C		3.3	200
PCB-187	pg/L			DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51	EPA 1668C		3.0	200
PCB-189	pg/L			ND	ND	ND	EPA 1668C		3.4	20
PCB-194	pg/L			DNQ Est. Conc. 62	ND	DNQ Est. Conc. 62	EPA 1668C		5.2	200
PCB-20/28	pg/L			DNQ Est. Conc. 280	ND	DNQ Est. Conc. 280	EPA 1668C		25	400
PCB-201	pg/L			DNQ Est. Conc. 3.5 (1)	ND (1)	DNQ Est. Conc. 3.5 (1)	EPA 1668C		2.6	200
PCB-206	pg/L			DNQ Est. Conc. 33 (1)	ND (1)	DNQ Est. Conc. 33 (1)	EPA 1668C		6.0	200
PCB-37	pg/L			ND	ND	ND	EPA 1668C		47	200
PCB-44/47/65	pg/L			2600 (2)	2600 (2)	2600 (2)	EPA 1668C		32	600
PCB-49/69	pg/L			DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668C		28	400
PCB-52	pg/L			580 (2)	580 (2)	580 (2)	EPA 1668C		31	200
PCB-61/70/74/76	pg/L			ND	ND	ND	EPA 1668C		12	800
PCB-66	pg/L			400	400	400	EPA 1668C		11	200
PCB-77	pg/L			ND	ND	ND	EPA 1668C		18	20
PCB-81	pg/L			ND	ND	ND	EPA 1668C		16	20
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 320	ND	DNQ Est. Conc. 320	EPA 1668C		12	1,200
PCB-99	pg/L			200	200	200	EPA 1668C		12	200
PCBs as Aroclors	pg/L			ND	ND	ND	Calculated			
PCBs as Congeners	pg/L			4890	4890	4890	Calculated			
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.82	20.0 - 40.0
pH	SU	8.2	8.2	8.1	8.2	8.4	SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L			ND	ND	ND	EPA 625.1	5	0.59	20.0 - 40.0
Phenol	ug/L			DNQ Est. Conc. 20.5	26.3	44.9	EPA 625.1	1	0.24	20.0 - 40.0
Pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.60	20.0 - 40.0
Selenium	ug/L			DNQ Est. Conc. 0.62	0.60	1.27	EPA 200.8	2	0.02	1.00
Silver	ug/L			0.23	0.41	0.56	EPA 200.8	0.25	0.02	0.20
Tetrachloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.18	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L			0.53	0.58	0.63	EPA 624.1	2	0.15	0.50
Total Chromium	ug/L			1.34	1.91	2.47	EPA 200.8	0.5	0.10	0.50
Total Suspended Solids	mg/L	353	338	278	717	1650	SM 2540D		2.5	100
Total Trihalomethanes	ug/L	7.0	7.0	5.0	9.0	15.7	Calculated			
Toxaphene	ug/L			ND	ND	ND	EPA 608.3	0.5	0.3	5.0
Trichloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.25	0.50
Zinc	ug/L	169	87.3	87.3	204	351	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  
2020 EFF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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-Dichloroethylene	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			
1,2,3,4,7,8-HeptaCDF	pg/L	ND						ND			
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)						ND			
1,2,3,4,7,8-HexaCDF	pg/L	ND						ND			
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND			
1,2,3,6,7,8-HexaCDF	pg/L	ND						ND			
1,2,3,7,8,9-HexaCDD	pg/L	ND						ND			
1,2,3,7,8,9-HexaCDF	pg/L	ND						ND			
1,2,3,7,8-PentaCDD	pg/L	ND						ND			
1,2,3,7,8-PentaCDF	pg/L	ND						ND			
1,2,3-Trichloropropane	ug/L	0.0053						DNQ Est. Conc. 0.0018			
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			
1,2-trans-Dichloroethylene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
1,4-Dioxane	ug/L	0.90						0.71			
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			
2,4,6-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						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
alpha-Endosulfan	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	1.04	1.86	1.01	0.944	1.02	0.866	0.972	0.839	0.764	0.795
Anthracene	ug/L	ND						ND			

Saugus Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624.1	2	0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624.1	1	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624.1	2	0.13	0.50
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624.1	1	0.08	0.50
1,1-Dichloroethylene	ug/L			ND	ND	ND			EPA 624.1	2	0.21	0.50
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.30 - 0.34	50 - 52
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.21 - 0.43	50 - 52
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND			EPA 1613B		0.2 - 0.53	50 - 52
1,2,3,4,7,8-HexaCDD	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.26 - 0.57	50 - 52
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.25 - 0.57	50 - 52
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.28 - 0.86	50 - 52
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.26 - 0.79	50 - 52
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.25 - 0.51	50 - 52
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.22 - 0.42	50 - 52
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.58 - 0.81	50 - 52
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.39 - 0.43	50 - 52
1,2,3-Trichloropropane	ug/L			DNQ Est. Conc. 0.0018	0.0026	0.0053			EPA 524.2 (TCP)		0.0012	0.0050
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625.1	5	0.51	1.0
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624.1	2	0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624.1	1	0.14	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625.1	1	0.63	1.0
1,2-trans-Dichloroethylene	ug/L			ND	ND	ND			EPA 624.1	1	0.06	0.50
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.15	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			Calculated	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.25	0.50
1,4-Dioxane	ug/L			0.71	0.80	0.90			SW-846 8270MOD 1,4-Dioxane		0.19 - 0.26	0.40
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.22 - 0.47	50 - 52
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.39 - 0.46	50 - 52
2,3,7,8-TCDD	pg/L			ND	ND	ND			EPA 1613B		0.44 - 1.6	10
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 0.62 (2)			EPA 1613B		0.3 - 0.33	10
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625.1		0.64	1.0
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.60	1.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625.1	2	0.44	1.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625.1	5	1.51	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625.1	5	0.37	1.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625.1	5	0.50	1.0
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624.1	1	0.28	0.5
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625.1	10	0.41	1.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.41	1.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625.1	5	1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625.1	10	0.31	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625.1	5	0.54	1.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625.1	1	0.69	1.0
4,4-DDD	ug/L			ND	ND	ND			EPA 608.3	0.05	0.005	0.01
4,4-DDE	ug/L			ND	ND	ND			EPA 608.3	0.05	0.004	0.01
4,4-DDT	ug/L			ND	ND	ND			EPA 608.3	0.01	0.001	0.01
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625.1	5	0.58	1.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625.1	5	0.63	1.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625.1	10	1.56	5.0
Acenaphthene	ug/L			ND	ND	ND			EPA 625.1	1	0.50	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625.1	10	0.50	1.0
Acrolein	ug/L			ND	ND	ND			EPA 624.1		0.64	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624.1		0.64	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608.3	0.005	0.003	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608.3	0.01	0.001	0.01
alpha-Endosulfan	ug/L			ND	ND	ND			EPA 608.3	0.02	0.004	0.01
Ammonia as nitrogen	mg/L	0.834	0.803	0.764	0.979	1.86	5.6	2.0	SM 4500 NH3 G		0.02 - 0.043	0.1 - 0.2
Anthracene	ug/L			ND	ND	ND			EPA 625.1	10	0.56	1.0



Saugus Water Reclamation Plant  
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Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
Antimony	ug/L	DNQ Est. Conc. 0.45			DNQ Est. Conc. 0.41			0.54			0.59
Aroclor 1016	pg/L	ND						ND			
Aroclor 1221	pg/L	ND						ND			
Aroclor 1232	pg/L	ND						ND			
Aroclor 1242	pg/L	ND						ND			
Aroclor 1248	pg/L	ND						ND			
Aroclor 1254	pg/L	ND						ND			
Aroclor 1260	pg/L	ND						ND			
Arsenic	ug/L	DNQ Est. Conc. 0.86			DNQ Est. Conc. 0.73			DNQ Est. Conc. 0.57			DNQ Est. Conc. 0.96
Barium	ug/L	29.0			22.3			24.3			20.0
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			
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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.47	0.42	0.39	0.38	0.41	0.37	0.40	0.37	0.39	0.40
Bromodichloromethane	ug/L	16.1	17.4	17.9	15.7	18.7	15.4	15.0	12.4	17.3	15.6
Bromoform	ug/L	0.79	0.93	0.90	1.1	0.92	1.0	1.0	0.70	1.0	0.53
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	ND			ND			ND			ND
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	110	114	106	99.2	102	99.9	100	99.2	100	102
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	6.0	7.2	6.8	8.4	7.2	6.7	5.6	4.7	7.4	5.9
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	27.5	19.1	19.4	15.5	19.5	15.0	18.3	13.1	19.0	17.0
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	0.80						0.63			
Chromium VI	ug/L	0.07						DNQ Est. Conc. 0.03			
Chrysene	ug/L	ND			ND			ND			ND
Copper	ug/L	4.77	3.36	4.43	2.76	3.68	3.21	2.90	3.32	3.13	3.16
Cyanide	ug/L	DNQ Est. Conc. 1.20	DNQ Est. Conc. 1.20	DNQ Est. Conc. 1.99	ND	DNQ Est. Conc. 1.77	DNQ Est. Conc. 2.60	ND	DNQ Est. Conc. 1.88	DNQ Est. Conc. 1.63	DNQ Est. Conc. 2.68
delta-BHC	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. 0.46						DNQ Est. Conc. 0.52			
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	8.8	8.8	8.4	8.5	7.5	8.0	7.5	7.9	7.9	7.9
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			

Saugus Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Antimony	ug/L			DNQ Est. Conc. 0.41	0.28	0.59			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	pg/L			ND	ND	ND			EPA 608.3	500000	20000	100000
Aroclor 1221	pg/L			ND	ND	ND			EPA 608.3	500000	80000	500000
Aroclor 1232	pg/L			ND	ND	ND			EPA 608.3	500000	80000	300000
Aroclor 1242	pg/L			ND	ND	ND			EPA 608.3	500000	80000	100000
Aroclor 1248	pg/L			ND	ND	ND			EPA 608.3	500000	80000	100000
Aroclor 1254	pg/L			ND	ND	ND			EPA 608.3	500000	80000	100000
Aroclor 1260	pg/L			ND	ND	ND			EPA 608.3	500000	80000	100000
Arsenic	ug/L			DNQ Est. Conc. 0.57	ND	DNQ Est. Conc. 0.96			EPA 200.8	2	0.06	1.00
Barium	ug/L			20.0	23.9	29.0			EPA 200.8		0.24	0.50
Benzene	ug/L			ND	ND	ND			EPA 624.1	2	0.09	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625.1	5	0.77	5.0
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610		0.014	0.020
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.013	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.015	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625.1	5	0.52	1.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.014	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.02	0.25
beta-BHC	ug/L			ND	ND	ND			EPA 608.3	0.005	0.003	0.005
beta-Endosulfan	ug/L			ND	ND	ND			EPA 608.3	0.01	0.003	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625.1	5	0.28	1.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625.1	1	0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625.1	2	0.25	1.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625.1	5	0.55	1.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.41	0.40	0.37	0.40	0.47		1.5	EPA 200.8		0.017	0.020
Bromodichloromethane	ug/L	14.7	15.3	12.4	16.0	18.7			EPA 624.1	2	0.11	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.38	0.74	1.1			EPA 624.1	2	0.18	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.58	1.0
Cadmium	ug/L			ND	ND	ND			EPA 200.8	0.25	0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624.1	2	0.18	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608.3	0.1	0.04	0.05
Chloride	mg/L	101	102	99.2	103	114	230	(3)	EPA 300.0		0.120 - 0.140	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.10	0.50
Chlorodibromomethane	ug/L	5.2	5.5	4.7	6.4	8.4			EPA 624.1	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624.1	2	0.31	0.50
Chloroform	ug/L	13.1	14.0	13.1	17.5	27.5			EPA 624.1	2	0.08	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L			0.63	0.72	0.80			Calculated			
Chromium VI	ug/L			DNQ Est. Conc. 0.03	0.04	0.07			EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.014	0.020
Copper	ug/L	3.48	2.17	2.17	3.36	4.77	23	15	EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L	DNQ Est. Conc. 2.27	DNQ Est. Conc. 2.15	ND	ND	DNQ Est. Conc. 2.68	8.9	4.1	SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L			ND	ND	ND			EPA 608.3	0.005	0.004	0.005
Diazinon	ug/L			ND	ND	ND			SW 8141		0.004 - 0.010	0.05
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.014	0.020
Dieldrin	ug/L			ND	ND	ND			EPA 608.3	0.01	0.0009	0.01
Diethyl phthalate	ug/L			DNQ Est. Conc. 0.46	ND	DNQ Est. Conc. 0.52			EPA 625.1	2	0.42	1.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625.1	2	0.41	1.0
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.59	1.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.69	1.0
Dissolved oxygen	mg/L	8.4	8.7	7.5	8.2	8.8			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608.3	0.05	0.018	0.04
Endrin	ug/L			ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608.3	0.01	0.006	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L			ND	ND	ND			EPA 625.1	1	0.69	1.0

Saugus Water Reclamation Plant  
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Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.232			0.168			0.187			0.183
gamma-BHC	ug/L	DNQ Est. Conc. 0.008						ND			
Gross Alpha Radioactivity	pCi/L	0.157			2.36			-0.0298			-0.546
Gross Beta Radioactivity	pCi/L	17.0			13.2			11.6			11.3
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			ND			ND
Iron	ug/L	DNO Est. Conc. 12.1			DNQ Est. Conc. 11.5			DNO Est. Conc. 16.9			DNO Est. Conc. 15.0
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.12	DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.10	DNO Est. Conc. 0.13	DNO Est. Conc. 0.13	DNO Est. Conc. 0.13	DNO Est. Conc. 0.13
Mercury	ug/L	0.0010	0.0027	0.00098	0.0030	0.0015	0.0016	0.0031	0.0018	0.0044	0.0080
Methyl Bromide	ug/L	ND						ND			
Methyl Chloride	ug/L	ND						ND			
Methyl Tert-butyl Ether	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	1.03	1.08	DNO Est. Conc. 0.95	DNO Est. Conc. 0.96	1.00	1.06	1.18	1.23	1.05	1.14
Nitrate + Nitrite as nitrogen	mg/L	4.35	4.22	4.58	4.84	4.13	4.05	4.25	4.52	4.68	3.76
Nitrate as nitrogen	mg/L	4.32	4.18	4.55	4.81	4.09	4.00	4.20	4.46	4.63	3.73
Nitrite as nitrogen	mg/L	ND	0.043	ND	ND	0.040	0.045	0.049	0.055	0.053	0.032
Nitrobenzene	ug/L	ND						ND			
n-Nitrosodimethylamine	ug/L	ND						ND			
N-nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
OctaCDD	pg/L	ND (1)						ND (1)			
OctaCDF	pg/L	ND (1)						ND			
Oil and grease	mg/L	ND			ND			DNO Est. Conc. 3.0			ND
Organic Nitrogen	mg/L	1.34	1.82	1.64	1.35	1.06	1.42	1.89	1.57	1.47	1.10
Orthophosphate-P	mg/L	2.25			0.398			0.239			0.362
PCB-101 (Co: 90/101/113)	pg/L							DNO Est. Conc. 9.3			
PCB-105	pg/L							ND			
PCB-110/115	pg/L							DNO Est. Conc. 10			
PCB-114	pg/L							ND			
PCB-118	pg/L							DNO Est. Conc. 5.6 (2)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-128/166	pg/L							ND			
PCB-135/151	pg/L							ND			
PCB-138 (Co: 129/138/163)	pg/L							DNO Est. Conc. 6.0 (2)			
PCB-147/149	pg/L							ND (1)			
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							DNO Est. Conc. 7.1 (2)			
PCB-180/193	pg/L							DNO Est. Conc. 2.7 (2)			
PCB-183	pg/L							DNO Est. Conc. 1.9 (2)			
PCB-187	pg/L							ND			
PCB-189	pg/L							ND			
PCB-194	pg/L							ND			
PCB-20/28	pg/L							DNO Est. Conc. 14			

Saugus Water Reclamation Plant  
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Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Fluorene	ug/L			ND	ND	ND			EPA 625.1	10	0.58	1.0
Fluoride	mg/L			0.168	0.192	0.232			SM 4500 F C		0.016 - 0.049	0.100
gamma-BHC	ug/L			ND	ND	DNQ Est. Conc. 0.008			EPA 608.3	0.02	0.002	0.01
Gross Alpha Radioactivity	pCi/L			-0.546	0.485	2.36	15		EPA 900.0		2.6 - 3.97	3.00
Gross Beta Radioactivity	pCi/L			11.3	13.3	17.0			EPA 900.0		1.10 - 1.98	4.00
Heptachlor	ug/L			ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625.1	1	0.47	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625.1	1	0.96	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625.1	5	2.01	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625.1	1	0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.013	0.020
Iron	ug/L			DNQ Est. Conc. 11.5	ND	DNQ Est. Conc. 16.9			EPA 200.8		3.2	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625.1	1	0.28	1.0
Lead	ug/L	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.10	ND	DNQ Est. Conc. 0.17	12	7	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0021	0.0033	0.00098	0.0028	0.0080	0.11	0.051	EPA 1631E		0.000047 - 0.00031	0.00050
Methyl Bromide	ug/L			ND	ND	ND			EPA 624.1	2	0.30	0.50
Methyl Chloride	ug/L			ND	ND	ND			EPA 624.1	2	0.41	0.50
Methyl Tert-butyl Ether	ug/L			ND	ND	ND			EPA 624.1		0.08	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624.1	2	0.46	0.50
Naphthalene	ug/L			ND	ND	ND			EPA 625.1	1	0.20	1.0
Nickel	ug/L	1.03	DNQ Est. Conc. 0.87	DNQ Est. Conc. 0.87	0.82	1.23	117	89	EPA 200.8	1	0.07	1.00
Nitrate + Nitrite as nitrogen	mg/L	4.50	4.41	3.76	4.36	4.84		7.1	Calculated			
Nitrate as nitrogen	mg/L	4.46	4.38	3.73	4.32	4.81		7.1	SM 4500 NO3 F		0.020 - 0.048	0.200
Nitrite as nitrogen	mg/L	0.044	0.033	ND	ND	0.055		0.9	SM 4500 NO3 F		0.003 - 0.015	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625.1	1	0.31	1.0
n-Nitrosodimethylamine	ug/L			ND	ND	ND			EPA 625.1	5	0.50	5.0
N-nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625.1	5	0.36	1.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625.1	1	0.64	1.0
OctaCDD	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.17 - 0.48	100
OctaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.45 - 1.0	100
Oil and grease	mg/L			ND	ND	DNQ Est. Conc. 3.0	15	10	EPA 1664A		1.2 - 1.4	4.3 - 4.5
Organic Nitrogen	mg/L	0.986	1.87	0.986	1.46	1.89			Calculated			
Orthophosphate-P	mg/L			0.239	0.812	2.25			EPA 365.1		0.0061 - 0.010	0.030
PCB-101 (Co: 90/101/113)	pg/L			DNQ Est. Conc. 9.3	ND	DNQ Est. Conc. 9.3			EPA 1668C		1.9	600
PCB-105	pg/L			ND	ND	ND			EPA 1668C		1.9	20
PCB-110/115	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668C		1.6	400
PCB-114	pg/L			ND	ND	ND			EPA 1668C		2.0	20
PCB-118	pg/L			DNQ Est. Conc. 5.6 (2)	ND (2)	DNQ Est. Conc. 5.6 (2)			EPA 1668C		1.7	20
PCB-123	pg/L			ND	ND	ND			EPA 1668C		2.0	20
PCB-126	pg/L			ND	ND	ND			EPA 1668C		2.3	20
PCB-128/166	pg/L			ND	ND	ND			EPA 1668C		1.1	400
PCB-135/151	pg/L			ND	ND	ND			EPA 1668C		1.2	400
PCB-138 (Co: 129/138/163)	pg/L			DNQ Est. Conc. 6.0 (2)	ND (2)	DNQ Est. Conc. 6.0 (2)			EPA 1668C		1.1	600
PCB-147/149	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.1	400
PCB-153/168	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.94	400
PCB-156/157	pg/L			ND	ND	ND			EPA 1668C		1.5	40
PCB-158	pg/L			ND	ND	ND			EPA 1668C		0.85	200
PCB-167	pg/L			ND	ND	ND			EPA 1668C		1.1	20
PCB-169	pg/L			ND	ND	ND			EPA 1668C		1.3	20
PCB-170	pg/L			ND	ND	ND			EPA 1668C		1.5	200
PCB-177	pg/L			ND	ND	ND			EPA 1668C		1.3	200
PCB-18/30	pg/L			DNQ Est. Conc. 7.1 (2)	ND (2)	DNQ Est. Conc. 7.1 (2)			EPA 1668C		3.3	400
PCB-180/193	pg/L			DNQ Est. Conc. 2.7 (2)	ND (2)	DNQ Est. Conc. 2.7 (2)			EPA 1668C		1.1	400
PCB-183	pg/L			DNQ Est. Conc. 1.9 (2)	ND (2)	DNQ Est. Conc. 1.9 (2)			EPA 1668C		1.1	200
PCB-187	pg/L			ND	ND	ND			EPA 1668C		1.3	200
PCB-189	pg/L			ND	ND	ND			EPA 1668C		1.4	20
PCB-194	pg/L			ND	ND	ND			EPA 1668C		1.4	200
PCB-20/28	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668C		3.8	400

Saugus Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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							DNO Est. Conc. 3.6 (2)			
PCB-52	pg/L							ND (1)			
PCB-61/70/74/76	pg/L							ND (1)			
PCB-66	pg/L							DNO Est. Conc. 4.4 (2)			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNO Est. Conc. 6.5			
PCB-99	pg/L							DNO Est. Conc. 3.1			
PCBs as Aroclors	pg/L	ND						ND			
PCBs as Congeners	pg/L							ND			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.098			ND			0.31			0.42
pH	SU	7.5	7.5	7.5	7.4	7.5	7.6	7.6	7.6	7.5	7.5
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	ND						ND			
Pyrene	ug/L	ND						ND			
Radium 226 + Radium 228	pCi/L	0.023			0.21			0.52			0.15
Selenium	ug/L	DNO Est. Conc. 0.31			DNO Est. Conc. 0.26			DNO Est. Conc. 0.20			DNO Est. Conc. 0.17
Settleable solids	mL/L	ND	ND	ND		ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	0.143			0.476			-0.0641			0.264
Sulfate	mg/L	128	96.8	86.5	107	93.0	84.9	84.3	82.6	82.9	88.0
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	ND			ND			DNO Est. Conc. 0.08			DNO Est. Conc. 0.09
Temperature	Degrees F	69.7	69.7	70.3	71.9	75.7	78.0	80.4	81.5	81.3	79.3
Tetrachloroethylene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	0.55						DNO Est. Conc. 0.24			
Total Chromium	ug/L	0.87						0.63			
Total Coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	582	489	473	478	484	463	450	453	456	491
Total Hardness	mg/L	191	164	168	156	150	141	138	137	144	172
Total Kjeldahl Nitrogen (TKN)	mg/L	2.38	3.68	2.65	2.29	2.08	2.29	2.86	2.41	2.23	1.89
Total Nitrogen	mg/L	6.73	7.90	7.23	7.13	6.21	6.34	7.11	6.93	6.91	5.65
Total Phosphorous	mg/L	2.29			0.444			0.288			0.398
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	50.4	44.6	45.0	40.7	46.3	38.1	39.9	30.9	44.7	39.0
Toxaphene	ug/L	ND						ND			
Toxic Equivalence	ug/L	ND						ND			
Trichloroethylene	ug/L	ND						ND			
Tritium	pCi/L	54.1			34.7			-103			-94.6
Turbidity (flow proportioned avg daily value)	NTU	1.1	0.98	1.0	1.1	1.0	0.78	0.84	0.94	0.88	0.83
Uranium	pCi/L	0.373			0.101			0.163			0.449
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	72.7	74.5	66.2	67.9	70.7	67.3	72.8	70.4	64.6	64.5

Saugus Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
PCB-201	pg/L			ND	ND	ND			EPA 1668C		1.1	200
PCB-206	pg/L			ND	ND	ND			EPA 1668C		2.4	200
PCB-37	pg/L			ND	ND	ND			EPA 1668C		4.1	200
PCB-44/47/65	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		2.0	600
PCB-49/69	pg/L			DNQ Est. Conc. 3.6 (2)	ND (2)	DNQ Est. Conc. 3.6 (2)			EPA 1668C		1.8	400
PCB-52	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.9	200
PCB-61/70/74/76	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.7	800
PCB-66	pg/L			DNQ Est. Conc. 4.4 (2)	ND (2)	DNQ Est. Conc. 4.4 (2)			EPA 1668C		1.7	200
PCB-77	pg/L			ND	ND	ND			EPA 1668C		2.4	20
PCB-81	pg/L			ND	ND	ND			EPA 1668C		2.5	20
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 6.5	ND	DNQ Est. Conc. 6.5			EPA 1668C		1.9	1,200
PCB-99	pg/L			DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 3.1			EPA 1668C		1.8	200
PCBs as Aroclors	pg/L			ND	ND	ND			Calculated			
PCBs as Congeners	pg/L			ND	ND	ND			Calculated			
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.82	1.0
Perchlorate	ug/L			ND	0.21	0.42			EPA 331.0		0.02	0.05
pH	SU	7.6	7.5	7.4	7.5	7.6			SM 4500 H+ B		1.00	1.00
Phenanthrene	ug/L			ND	ND	ND			EPA 625.1	5	0.59	1.0
Phenol	ug/L			ND	ND	ND			EPA 625.1	1	0.24	1.0
Pyrene	ug/L			ND	ND	ND			EPA 625.1	10	0.60	1.0
Radium 226 + Radium 228	pCi/L			0.023	0.23	0.52	5		Drinking H2O Radium Sum Method			
Selenium	ug/L			DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.31			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			-0.0641	0.205	0.476	8		EPA 905.0		0.414 - 0.673	3.00
Sulfate	mg/L	89.9	85.6	82.6	92.4	128		300	EPA 300.0		0.110 - 0.140	2.50
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.06 - 0.10	0.10
Surfactant (MBAS)	mg/L			ND	ND	DNQ Est. Conc. 0.09		0.5	SM 5540C		0.005 - 0.029	0.10
Temperature	Degrees F	76.2	72.8	69.7	75.6	81.5	(4)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L			ND	ND	ND			EPA 624.1	2	0.18	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L			DNQ Est. Conc. 0.24	0.28	0.55			EPA 624.1	2	0.15	0.50
Total Chromium	ug/L			0.63	0.75	0.87			EPA 200.8	0.5	0.10	0.50
Total Coliform	No./100mL	ND	ND	ND	ND	ND	(5)	(5)	SM 9222B			1
Total Dissolved Solids	mg/L	483	470	450	481	582		1000	SM 2540C		2.7	25.0
Total Hardness	mg/L	161	154	137	156	191			Calculated			
Total Kjeldahl Nitrogen (TKN)	mg/L	1.82	2.68	1.82	2.44	3.68			EPA 351.2		0.045 - 0.129	0.200 - 0.500
Total Nitrogen	mg/L	6.32	7.08	5.65	6.80	7.90			Total Nitrogen Calculation			0.200
Total Phosphorous	mg/L			0.288	0.855	2.29			EPA 365.1		0.014 - 0.026	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.008 - 0.030	0.10
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total Trihalomethanes	ug/L	33.0	34.8	30.9	40.6	50.4		80	Calculated			
Toxaphene	ug/L			ND	ND	ND			EPA 608.3	0.5	0.3	0.5
Toxic Equivalence	ug/L			ND	ND	ND			Calculated			
Trichloroethylene	ug/L			ND	ND	ND			EPA 624.1	2	0.15	0.50
Tritium	pCi/L			-103	-27.2	54.1	20000		EPA 906.0		302 - 338	500
Turbidity (flow proportioned avg daily value)	NTU	0.90	0.67	0.67	0.92	1.1	2		SM 2130B		0.061 - 0.12	0.50
Uranium	pCi/L			0.101	0.272	0.449	20		EPA 908.0		0.0933 - 0.199	1.00
Vinyl chloride	ug/L			ND	ND	ND			EPA 624.1	2	0.25	0.50
Zinc	ug/L	70.7	66.7	64.5	69.1	74.5	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 2020, the monthly TSO-based interim limit was equal to the monthly average chloride concentration in the treated water supply for the State Water Project plus 64 mg/L; compliance was based on the 12-month rolling average of the effluent chloride concentration. The NPDES-based limit is 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  
2020 INF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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-Dichloroethylene	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			
1,2-trans-Dichloroethylene	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						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	1.6						0.83			
Aroclor 1016	pg/L	ND						ND			
Aroclor 1221	pg/L	ND						ND			
Aroclor 1232	pg/L	ND						ND			
Aroclor 1242	pg/L	ND						ND			
Aroclor 1248	pg/L	ND						ND			
Aroclor 1254	pg/L	ND						ND			
Aroclor 1260	pg/L	ND						ND			
Arsenic	ug/L	1.58						1.19			
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			



Valencia Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624.1	1	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.13	0.50
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624.1	1	0.08	0.50
1,1-Dichloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.21	0.50
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625.1	5	0.51	10.0 - 20.0
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624.1	1	0.14	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625.1	1	0.63	10.0 - 20.0
1,2-trans-Dichloroethylene	ug/L			ND	ND	ND	EPA 624.1	1	0.06	0.50
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	Calculated	2		
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.25	0.50
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.62 - 1.4	10 - 11
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625.1	10	0.64	10.0 - 20.0
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.60	10.0 - 20.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625.1	2	0.44	10.0 - 20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625.1	5	1.5	50.0 - 100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1	5	0.37	10.0 - 20.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625.1	5	0.50	10.0 - 20.0
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624.1	1	0.28	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625.1	10	0.41	10.0 - 20.0
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.41	10.0 - 20.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625.1	5	1.3	50.0 - 100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1	10	0.31	10.0 - 20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625.1	5	0.54	10.0 - 20.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625.1	1	0.69	10.0 - 20.0
4,4-DDD	ug/L			ND	ND	ND	EPA 608.3	0.05	0.005	0.10
4,4-DDE	ug/L			ND	ND	ND	EPA 608.3	0.05	0.004	0.10
4,4-DDT	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001	0.10
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625.1	5	0.58	10.0 - 20.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625.1	5	0.63	10.0 - 20.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625.1	10	1.6	50.0 - 100
Acenaphthene	ug/L			ND	ND	ND	EPA 625.1	1	0.50	10.0 - 20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625.1	10	0.50	10.0 - 20.0
Acrolein	ug/L			ND	ND	ND	EPA 624.1		0.64	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624.1		0.64	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608.3	0.005	0.003	0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001	0.10
alpha-Endosulfan	ug/L			ND	ND	ND	EPA 608.3	0.02	0.004	0.10
Anthracene	ug/L			ND	ND	ND	EPA 625.1	10	0.56	10.0 - 20.0
Antimony	ug/L			0.83	1.2	1.6	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	pg/L			ND	ND	ND	EPA 608.3	500000	20000	1000000
Aroclor 1221	pg/L			ND	ND	ND	EPA 608.3	500000	80000	5000000
Aroclor 1232	pg/L			ND	ND	ND	EPA 608.3	500000	80000	3000000
Aroclor 1242	pg/L			ND	ND	ND	EPA 608.3	500000	80000	1000000
Aroclor 1248	pg/L			ND	ND	ND	EPA 608.3	500000	80000	1000000
Aroclor 1254	pg/L			ND	ND	ND	EPA 608.3	500000	80000	1000000
Aroclor 1260	pg/L			ND	ND	ND	EPA 608.3	500000	80000	1000000
Arsenic	ug/L			1.19	1.38	1.58	EPA 200.8	2	0.06	1.00
Benzene	ug/L			ND	ND	ND	EPA 624.1	2	0.09	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625.1	5	0.77	100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625.1	5	0.46	10.0 - 20.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.54	10.0 - 20.0
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625.1	10	0.61	10.0 - 20.0
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625.1	5	0.52	10.0 - 20.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625.1	10	0.53	10.0 - 20.0
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.020	0.25

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Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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	526	482	490	421	399	439	361	360	362	345
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.34						DNQ Est. Conc. 0.15			
Bromoform	ug/L	0.75						DNQ Est. Conc. 0.19			
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	0.42						0.39			
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	118	111	107	90.6	100	96.3	93.1	94.9	94.5	95.2
Chlorobenzene	ug/L	ND						ND			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	1.4						0.73			
Chromium III	ug/L	1.52						1.40			
Chromium VI	ug/L	ND						ND			
Chrysene	ug/L	ND						ND			
Copper	ug/L	196						152			
Cyanide	ug/L	ND						ND			
delta-BHC	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			
Dibromochloromethane	ug/L	0.70						DNQ Est. Conc. 0.25			
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 sulfate	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
gamma-BHC	ug/L	DNQ Est. Conc. 0.04						ND			
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	1.94						1.49			
Mercury	ug/L	0.23						0.16			
Methyl Bromide	ug/L	ND						ND			
Methyl Chloride	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	7.00						4.73			
Nitrobenzene	ug/L	ND						ND			
n-Nitrosodimethylamine	ug/L	ND						ND			
N-nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 390			
PCB-105	pg/L							94			
PCB110/115	pg/L							DNQ Est. Conc. 390			

Valencia Water Reclamation Plant  
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Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
beta-BHC	ug/L			ND	ND	ND	EPA 608.3	0.005	0.003	0.05
beta-Endosulfan	ug/L			ND	ND	ND	EPA 608.3	0.01	0.003	0.10
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625.1	5	0.28	10.0 - 20.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625.1	1	0.27	10.0 - 20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625.1	2	0.25	10.0 - 20.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND	EPA 625.1	5	0.55	10.0 - 20.0
BOD	mg/L	369	387	345	412	526	SM 5210B			120 - 150
Bromodichloromethane	ug/L			DNQ Est. Conc. 0.15	ND	DNQ Est. Conc. 0.34	EPA 624.1	2	0.11	0.50
Bromoform	ug/L			DNQ Est. Conc. 0.19	0.38	0.75	EPA 624.1	2	0.18	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.58	10.0 - 20.0
Cadmium	ug/L			0.39	0.40	0.42	EPA 200.8	0.25	0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624.1	2	0.18	0.50
Chlordane	ug/L			ND	ND	ND	EPA 608.3	0.1	0.04	0.50
Chloride	mg/L	97.5	94.6	90.6	99.4	118	EPA 300.0		0.120 - 0.140	10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.10	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624.1	2	0.31	0.50
Chloroform	ug/L			0.73	1.1	1.4	EPA 624.1	2	0.08	0.50
Chromium III	ug/L			1.40	1.46	1.52	Calculated			
Chromium VI	ug/L			ND	ND	ND	EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L			ND	ND	ND	EPA 625.1	10	0.41	10.0 - 20.0
Copper	ug/L			152	174	196	EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L			ND	ND	ND	SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L			ND	ND	ND	EPA 608.3	0.005	0.004	0.05
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625.1	10	0.58	10.0 - 20.0
Dibromochloromethane	ug/L			DNQ Est. Conc. 0.25	0.35	0.70	EPA 624.1	2	0.11	0.50
Dieldrin	ug/L			ND	ND	ND	EPA 608.3	0.01	0.0009	0.10
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625.1	2	0.42	10.0 - 20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625.1	2	0.41	10.0 - 20.0
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.59	10.0 - 20.0
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625.1	10	0.69	10.0 - 20.0
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608.3	0.05	0.02	0.40
Endrin	ug/L			ND	ND	ND	EPA 608.3	0.01	0.001	0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608.3	0.01	0.006	0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625.1	1	0.69	10.0 - 20.0
Fluorene	ug/L			ND	ND	ND	EPA 625.1	10	0.58	10.0 - 20.0
gamma-BHC	ug/L			ND	ND	DNQ Est. Conc. 0.04	EPA 608.3	0.02	0.002	0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608.3	0.01	0.005	0.10
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608.3	0.01	0.005	0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625.1	1	0.47	10.0 - 20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625.1	1	0.96	10.0 - 20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625.1	5	2.0	50.0 - 100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625.1	1	0.81	10.0 - 20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.53	10.0 - 20.0
Isophorone	ug/L			ND	ND	ND	EPA 625.1	1	0.28	10.0 - 20.0
Lead	ug/L			1.49	1.72	1.94	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.16	0.20	0.23	EPA 245.1	0.5	0.012	0.040
Methyl Bromide	ug/L			ND	ND	ND	EPA 624.1	2	0.30	0.50
Methyl Chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.41	0.50
Methylene chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.46	0.50
Naphthalene	ug/L			ND	ND	ND	EPA 625.1	1	0.20	10.0 - 20.0
Nickel	ug/L			4.73	5.86	7.00	EPA 200.8	1	0.07	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625.1	1	0.31	10.0 - 20.0
n-Nitrosodimethylamine	ug/L			ND	ND	ND	EPA 625.1 & EPA 1625C		0.0005 - 0.50	0.020 - 100
N-nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625.1 & EPA 1625C		0.0006 - 0.36	0.020 - 20.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625.1 & EPA 1625C		0.0013 - 0.64	0.10 - 20.0
PCB-101 (Co: 90/101/113)	pg/L			DNQ Est. Conc. 390	ND	DNQ Est. Conc. 390	EPA 1668C		9.0	600
PCB-105	pg/L			94	94	94	EPA 1668C		7.1	20
PCB110/115	pg/L			DNQ Est. Conc. 390	ND	DNQ Est. Conc. 390	EPA 1668C		7.4	400

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Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
PCB-114	pg/L							ND			
PCB-118	pg/L							250			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-128/166	pg/L							DNQ Est. Conc. 24			
PCB-135/151	pg/L							DNQ Est. Conc. 55			
PCB-138 (Co: 129/138/163)	pg/L							DNQ Est. Conc. 240 (1)			
PCB-147/149	pg/L							DNQ Est. Conc. 150			
PCB-153/168	pg/L							DNQ Est. Conc. 190			
PCB-156/157	pg/L							60			
PCB-158	pg/L							DNQ Est. Conc. 21			
PCB-167	pg/L							DNQ Est. Conc. 14			
PCB-169	pg/L							ND			
PCB-170	pg/L							DNQ Est. Conc. 82			
PCB-177	pg/L							DNQ Est. Conc. 37			
PCB-18/30	pg/L							DNQ Est. Conc. 80			
PCB-180/193	pg/L							DNQ Est. Conc. 180			
PCB-183	pg/L							DNQ Est. Conc. 49			
PCB-187	pg/L							DNQ Est. Conc. 42			
PCB-189	pg/L							DNQ Est. Conc. 5.9			
PCB-194	pg/L							DNQ Est. Conc. 63 (2)			
PCB-20/28	pg/L							DNQ Est. Conc. 250			
PCB-201	pg/L							ND			
PCB-206	pg/L							DNQ Est. Conc. 27			
PCB-37	pg/L							DNQ Est. Conc. 44			
PCB-44/47/65	pg/L							8000 (1)			
PCB-49/69	pg/L							DNQ Est. Conc. 200			
PCB-52	pg/L							270			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 180			
PCB-66	pg/L							DNQ Est. Conc. 76			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 250			
PCB-99	pg/L							DNQ Est. Conc. 190			
PCBs as Aroclors	pg/L	ND						ND			
PCBs as Congeners	pg/L							8670			
Pentachlorophenol	ug/L	ND						ND			
pH	SU	8.1	8.0	7.9	7.9	7.6	7.6	7.5	7.7	7.6	7.4
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	18.6						26.3			
Pyrene	ug/L	ND						ND			
Selenium	ug/L	1.74						1.02			
Silver	ug/L	1.07						1.18			
Tetrachloroethylene	ug/L	ND						ND			
Thallium	ug/L	DNQ Est. Conc. 0.010						ND			
Toluene	ug/L	0.99						1.1			
Total Chromium	ug/L	1.52						1.40			
Total Suspended Solids	mg/L	746	619	572	441	579	479	487	372	528	404
Total Trihalomethanes	ug/L	2.8						0.73			
Toxaphene	ug/L	ND						ND			
Trichloroethylene	ug/L	ND						ND			
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	232						199			

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Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Method	ML	MDL	RL
PCB-114	pg/L			ND	ND	ND	EPA 1668C		7.3	20
PCB-118	pg/L			250	250	250	EPA 1668C		7.0	20
PCB-123	pg/L			ND	ND	ND	EPA 1668C		7.9	20
PCB-126	pg/L			ND	ND	ND	EPA 1668C		9.7	20
PCB-128/166	pg/L			DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24	EPA 1668C		3.9	400
PCB-135/151	pg/L			DNQ Est. Conc. 55	ND	DNQ Est. Conc. 55	EPA 1668C		4.2	400
PCB-138 (Co: 129/138/163)	pg/L			DNQ Est. Conc. 240 (1)	ND (1)	DNQ Est. Conc. 240 (1)	EPA 1668C		4.2	600
PCB-147/149	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		4.1	400
PCB-153/168	pg/L			DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668C		3.4	400
PCB-156/157	pg/L			60	60	60	EPA 1668C		12	40
PCB-158	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21	EPA 1668C		3.1	200
PCB-167	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668C		8.7	20
PCB-169	pg/L			ND	ND	ND	EPA 1668C		11	20
PCB-170	pg/L			DNQ Est. Conc. 82	ND	DNQ Est. Conc. 82	EPA 1668C		4.0	200
PCB-177	pg/L			DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37	EPA 1668C		3.6	200
PCB-18/30	pg/L			DNQ Est. Conc. 80	ND	DNQ Est. Conc. 80	EPA 1668C		6.5	400
PCB-180/193	pg/L			DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668C		3.1	400
PCB-183	pg/L			DNQ Est. Conc. 49	ND	DNQ Est. Conc. 49	EPA 1668C		3.0	200
PCB-187	pg/L			DNQ Est. Conc. 42	ND	DNQ Est. Conc. 42	EPA 1668C		2.7	200
PCB-189	pg/L			DNQ Est. Conc. 5.9	ND	DNQ Est. Conc. 5.9	EPA 1668C		3.1	20
PCB-194	pg/L			DNQ Est. Conc. 63 (2)	ND (2)	DNQ Est. Conc. 63 (2)	EPA 1668C		3.1	200
PCB-20/28	pg/L			DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668C		21	400
PCB-201	pg/L			ND	ND	ND	EPA 1668C		2.4	200
PCB-206	pg/L			DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27	EPA 1668C		3.9	200
PCB-37	pg/L			DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44	EPA 1668C		25	200
PCB-44/47/65	pg/L			8000 (1)	8000 (1)	8000 (1)	EPA 1668C		51	600
PCB-49/69	pg/L			DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200	EPA 1668C		45	400
PCB-52	pg/L			270	270	270	EPA 1668C		50	200
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668C		10	800
PCB-66	pg/L			DNQ Est. Conc. 76	ND	DNQ Est. Conc. 76	EPA 1668C		9.9	200
PCB-77	pg/L			ND	ND	ND	EPA 1668C		11	20
PCB-81	pg/L			ND	ND	ND	EPA 1668C		11	20
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668C		8.6	1,200
PCB-99	pg/L			DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668C		8.4	200
PCBs as Aroclors	pg/L			ND	ND	ND	Calculated			
PCBs as Congeners	pg/L			8670	8670	8670	Calculated			
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625.1	5	0.82	10.0 - 20.0
pH	SU	7.5	7.5	7.4	7.7	8.1	SM 4500 H+ B			
Phenanthrene	ug/L			ND	ND	ND	EPA 625.1	5	0.59	10.0 - 20.0
Phenol	ug/L			18.6	22.4	26.3	EPA 625.1	1	0.24	10.0 - 20.0
Pyrene	ug/L			ND	ND	ND	EPA 625.1	10	0.60	10.0 - 20.0
Selenium	ug/L			1.02	1.38	1.74	EPA 200.8	2	0.02	1.00
Silver	ug/L			1.07	1.12	1.18	EPA 200.8	0.25	0.02	0.20
Tetrachloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.18	0.50
Thallium	ug/L			ND	ND	DNQ Est. Conc. 0.010	EPA 200.8	1	0.010	0.25
Toluene	ug/L			0.99	1.0	1.1	EPA 624.1	2	0.15	0.50
Total Chromium	ug/L			1.40	1.46	1.52	EPA 200.8	0.5	0.10	0.50
Total Suspended Solids	mg/L	409	679	372	526	746	SM 2540D			50.0 - 100
Total Trihalomethanes	ug/L			0.73	1.8	2.8	Calculated			
Toxaphene	ug/L			ND	ND	ND	EPA 608.3	0.5	0.3	5.0
Trichloroethylene	ug/L			ND	ND	ND	EPA 624.1	2	0.15	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624.1	2	0.25	0.50
Zinc	ug/L			199	216	232	EPA 200.8	1	0.70	1.00 - 20.0

(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.

# Valencia WRP Effluent Monitoring

Valencia Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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-Dichloroethylene	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)(2)			ND			ND (1)			ND
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)(2)			ND			ND (1)			ND
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND			ND			ND (1)			ND
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)(2)			ND (1)			ND			ND
1,2,3,4,7,8-HexaCDF	pg/L	ND			ND			ND			ND
1,2,3,6,7,8-HexaCDD	pg/L	ND			DNO Est. Conc. 2.5			ND			ND
1,2,3,6,7,8-HexaCDF	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			DNO Est. Conc. 2.5			ND			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-Trichloropropane	ug/L	ND						DNO Est. Conc. 0.0013			
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			
1,2-trans-Dichloroethylene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
1,4-Dioxane	ug/L	0.95						0.65			
2,3,4,6,7,8-HexaCDF	pg/L	DNO Est. Conc. 1.0 (2)			ND			ND			ND
2,3,4,7,8-PentaCDF	pg/L	ND			ND			ND			ND
2,3,7,8-TCDD	pg/L	DNO Est. Conc. 2.1 (2)			ND			ND			ND
2,3,7,8-TetraCDF	pg/L	DNO Est. Conc. 2.8			ND			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						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
alpha-Endosulfan	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	0.968	0.965	1.07	1.02	1.13	0.906	0.994	1.09	1.04	0.970
Anthracene	ug/L	ND						ND			
Antimony	ug/L	DNO Est. Conc. 0.47						DNO Est. Conc. 0.43			
Aroclor 1016	pg/L	ND						ND			
Aroclor 1221	pg/L	ND						ND			

Valencia Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624.1	2	0.16	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624.1	1	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624.1	2	0.13	0.50
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624.1	1	0.08	0.50
1,1-Dichloroethylene	ug/L			ND	ND	ND			EPA 624.1	2	0.21	0.50
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.13 - 4.1	50 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.15 - 3.2	50 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.14 - 5.2	50 - 54
1,2,3,4,7,8-HexaCDD	pg/L			ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.22 - 4.6	50 - 54
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.11 - 3.8	50 - 54
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.24 - 4.9	50 - 54
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.12 - 3.5	50 - 54
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.21 - 4.4	50 - 54
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.11 - 3.1	50 - 54
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.35 - 2.8	50 - 54
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.20 - 5.1	50 - 54
1,2,3-Trichloropropane	ug/L			ND	ND	DNQ Est. Conc. 0.0013			EPA 524.2 (TCP)		0.0012	0.0050
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625.1	5	0.51	1.0
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.15	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624.1	2	0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624.1	1	0.14	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625.1	1	0.63	1.0
1,2-trans-Dichloroethylene	ug/L			ND	ND	ND			EPA 624.1	1	0.06	0.50
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.15	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			Calculated			
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.25	0.50
1,4-Dioxane	ug/L			0.65	0.80	0.95			82705IM		0.19 - 0.26	0.40
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.0 (2)			EPA 1613B		0.11 - 2.9	50 - 54
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.20 - 5.8	50 - 54
2,3,7,8-TCDD	pg/L			ND	ND	DNQ Est. Conc. 2.1 (2)	0.028	0.014	EPA 1613B		0.52 - 6.9	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 2.8			EPA 1613B		0.16 - 3.0	10 - 11
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625.1	10	0.64	1.0
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.60	1.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625.1	2	0.44	1.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625.1	5	1.5	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625.1	5	0.37	1.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625.1	5	0.50	1.0
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624.1	1	0.28	0.5
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625.1	10	0.41	1.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.41	1.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625.1	5	1.3	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625.1	10	0.31	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625.1	5	0.54	1.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625.1	1	0.69	1.0
4,4-DDD	ug/L			ND	ND	ND			EPA 608.3	0.05	0.005	0.01
4,4-DDE	ug/L			ND	ND	ND			EPA 608.3	0.05	0.004	0.01
4,4-DDT	ug/L			ND	ND	ND			EPA 608.3	0.01	0.001	0.01
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625.1	5	0.58	1.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625.1	5	0.63	1.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625.1	10	1.6	5.0
Acenaphthene	ug/L			ND	ND	ND			EPA 625.1	1	0.50	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625.1	10	0.50	1.0
Acrolein	ug/L			ND	ND	ND			EPA 624.1		0.64	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624.1		0.64	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608.3	0.005	0.003	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608.3	0.01	0.001	0.01
alpha-Endosulfan	ug/L			ND	ND	ND			EPA 608.3	0.02	0.004	0.01
Ammonia as nitrogen	mg/L	0.941	1.02	0.906	1.01	1.13	5.2	1.75	SM 4500 NH3 G		0.02 - 0.043	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625.1	10	0.56	1.0
Antimony	ug/L			DNQ Est. Conc. 0.43	ND	DNQ Est. Conc. 0.47			EPA 200.8	0.5	0.07	0.50
Aroclor 1016	pg/L			ND	ND	ND			EPA 608.3	500000	20000	100000
Aroclor 1221	pg/L			ND	ND	ND			EPA 608.3	500000	80000	500000



Valencia Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
Aroclor 1232	pg/L	ND						ND			
Aroclor 1242	pg/L	ND						ND			
Aroclor 1248	pg/L	ND						ND			
Aroclor 1254	pg/L	ND						ND			
Aroclor 1260	pg/L	ND						ND			
Arsenic	ug/L	DNQ Est. Conc. 0.50	DNQ Est. Conc. 0.73	DNQ Est. Conc. 0.46	DNQ Est. Conc. 0.46	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.59	DNQ Est. Conc. 0.46	DNQ Est. Conc. 0.48
Barium	ug/L	6.32			4.26			3.74			4.33
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			
beta-Endosulfan	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BOD	mg/L	ND	ND	5.6	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.45	0.42	0.42	0.38	0.43	0.38	0.38	0.35	0.37	0.39
Bromodichloromethane	ug/L	6.4	4.6	4.6	3.7	5.4	3.9	4.1	7.2	7.2	6.9
Bromoform	ug/L	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.29	ND	ND	DNQ Est. Conc. 0.23	ND	ND	ND	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.20
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	ND			ND			ND			ND
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	126	122	117	104	115	109	110	116	111	111
Chlorobenzene	ug/L	ND						ND			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	11.6	6.9	7.3	6.4	7.5	6.4	9.5	9.3	11.8	10.5
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	0.55						ND			
Chromium VI	ug/L	DNQ Est. Conc. 0.01						DNQ Est. Conc. 0.01			
Chrysene	ug/L	ND						ND			
Copper	ug/L	2.33	1.97	2.14	1.85	1.59	1.42	1.49	1.27	1.10	1.51
Cyanide	ug/L	DNQ Est. Conc. 2.7	DNQ Est. Conc. 3.8	DNQ Est. Conc. 2.2	DNQ Est. Conc. 2.7	DNQ Est. Conc. 2.7	DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 2.77	DNQ Est. Conc. 2.54	DNQ Est. Conc. 4.09
delta-BHC	ug/L	ND						ND			
Diazinon	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			
Dibromochloromethane	ug/L	2.1	1.4	1.2	1.2	1.6	1.2	1.0	2.5	2.2	2.0
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			
Dissolved oxygen	mg/L	8.2	8.2	7.8	7.8	7.8	7.6	7.3	7.4	7.4	6.9
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.252			0.244			0.252			0.272
gamma-BHC	ug/L	DNQ Est. Conc. 0.005						ND			
Gross Alpha Radioactivity	pCi/L	1.94			-0.279			2.95			0.838
Gross Beta Radioactivity	pCi/L	14.6			15.2			14.4			14.2
Heptachlor	ug/L	ND						ND			

Valencia Water Reclamation Plant  
2020 EFF-001 Monitoring Results

Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Aroclor 1232	pg/L			ND	ND	ND			EPA 608.3	500000	80000	300000
Aroclor 1242	pg/L			ND	ND	ND			EPA 608.3	500000	80000	100000
Aroclor 1248	pg/L			ND	ND	ND			EPA 608.3	500000	80000	100000
Aroclor 1254	pg/L			ND	ND	ND			EPA 608.3	500000	80000	100000
Aroclor 1260	pg/L			ND	ND	ND			EPA 608.3	500000	80000	100000
Arsenic	ug/L	DNO Est. Conc. 0.54	DNO Est. Conc. 0.82	DNO Est. Conc. 0.42	ND	DNO Est. Conc. 0.82			EPA 200.8	2	0.06	1.00
Barium	ug/L			3.74	4.66	6.32			EPA 200.8		0.24	0.50
Benzene	ug/L			ND	ND	ND			EPA 624.1	2	0.09	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625.1	5	0.77	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625.1	5	0.46	1.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.013	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.015	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625.1	5	0.52	1.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	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 608.3	0.005	0.003	0.005
beta-Endosulfan	ug/L			ND	ND	ND			EPA 608.3	0.01	0.003	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625.1	5	0.28	1.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625.1	1	0.27	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625.1	2	0.25	1.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND		4	EPA 625.1	5	0.55	1.0
BOD	mg/L	ND	6.7	ND	1.0	6.7	45	20	SM 5210B			3
Boron	mg/L	0.39	0.39	0.35	0.40	0.45		1.5	EPA 200.8		0.017	0.020
Bromodichloromethane	ug/L	5.9	6.2	3.7	5.5	7.2			EPA 624.1	2	0.11	0.50
Bromoform	ug/L	ND	DNO Est. Conc. 0.27	ND	ND	DNO Est. Conc. 0.44			EPA 624.1	2	0.18	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.58	1.0
Cadmium	ug/L			ND	ND	ND			EPA 200.8	0.25	0.066	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624.1	2	0.18	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608.3	0.1	0.04	0.05
Chloride	mg/L	109	111	104	113	126	230	(3)	EPA 300.0		0.120 - 0.140	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.10	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624.1	2	0.31	0.50
Chloroform	ug/L	8.5	7.3	6.4	8.6	11.8			EPA 624.1	2	0.08	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW8141		0.003	0.05
Chromium III	ug/L			ND	0.28	0.55			Calculated			
Chromium VI	ug/L			DNO Est. Conc. 0.01	ND	DNO Est. Conc. 0.01			EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.014	0.020
Copper	ug/L	1.27	1.59	1.10	1.63	2.33	39	12	EPA 200.8	0.5	0.05	0.50
Cyanide	ug/L	DNO Est. Conc. 3.17	DNO Est. Conc. 4.53	ND	ND	DNO Est. Conc. 4.53	7.0	4.7	SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L			ND	ND	ND			EPA 608.3	0.005	0.004	0.005
Diazinon	ug/L			ND	ND	ND			SW 8141		0.004 - 0.010	0.05
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.014	0.020
Dibromochloromethane	ug/L	1.5	1.9	1.0	1.6	2.5			EPA 624.1	2	0.11	0.50
Dieldrin	ug/L			ND	ND	ND			EPA 608.3	0.01	0.0009	0.01
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625.1	2	0.42	1.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625.1	2	0.41	1.0
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.59	1.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625.1	10	0.69	1.0
Dissolved oxygen	mg/L	7.7	8.1	6.9	7.7	8.2			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608.3	0.05	0.02	0.04
Endrin	ug/L			ND	ND	ND			EPA 608.3	0.01	0.001	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608.3	0.01	0.006	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624.1	2	0.15	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D			1.0
Fluoranthene	ug/L			ND	ND	ND			EPA 625.1	1	0.69	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625.1	10	0.58	1.0
Fluoride	mg/L			0.244	0.255	0.272			SM 4500 F C		0.016 - 0.049	0.100
gamma-BHC	ug/L			ND	ND	DNO Est. Conc. 0.005			EPA 608.3	0.02	0.002	0.01
Gross Alpha Radioactivity	pCi/L			-0.279	1.36	2.95	15		EPA 900.0		2.6 - 3.75	3
Gross Beta Radioactivity	pCi/L			14.2	14.6	15.2			EPA 900.0		1.22 - 1.47	4
Heptachlor	ug/L			ND	ND	ND			EPA 608.3	0.01	0.005	0.01

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Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
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			
Iron	ug/L	77.6	83.8	94.3	99.9	103	93.0	91.5	97.2	119	89.8
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.04			DNQ Est. Conc. 0.05			DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.03
Mercury	ug/L	0.0010	0.0025	0.0021	0.0025	0.0025	0.00074		0.00077	0.0065	
Methyl Bromide	ug/L	ND						ND			
Methyl Chloride	ug/L	ND						ND			
Methyl TerT-butyl Ether	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	2.12			1.88			2.06			2.26
Nitrate + nitrite as nitrogen	mg/L	2.88	3.70	3.11	4.40	2.83	2.39	3.14	3.94	3.54	3.31
Nitrate as nitrogen	mg/L	2.85	3.66	3.07	4.35	2.65	2.35	3.10	3.83	3.51	3.27
Nitrite as nitrogen	mg/L	ND	0.038	0.041	0.046	0.177	0.039	0.044	0.111	0.031	0.038
Nitrobenzene	ug/L	ND						ND			
n-Nitrosodimethylamine	ug/L	ND						1.2			
N-nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
OctaCDD	pg/L	ND (1)			ND (1)			ND (1)			DNQ Est. Conc. 89 (1)
OctaCDF	pg/L	ND (1)(2)			ND (1)			ND (1)			DNQ Est. Conc. 34
Oil and grease	mg/L	ND			ND			ND			ND
Organic Nitrogen	mg/L	1.37	1.22	1.43	1.06	1.45	1.39	1.67	0.480	1.51	1.14
Orthophosphate-P	mg/L	0.427			0.470			0.773			0.871
PCB-101 (Co: 90/101/113)	pg/L							DNQ Est. Conc. 10			
PCB-105	pg/L							ND			
PCB-110/115	pg/L							DNQ Est. Conc. 8.0			
PCB-114	pg/L							ND			
PCB-118	pg/L							DNQ Est. Conc. 9.3			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-128/166	pg/L							ND			
PCB-135/151	pg/L							ND			
PCB-138 (Co: 129/138/163)	pg/L							ND (1)			
PCB-147/149	pg/L							DNQ Est. Conc. 1.3			
PCB-153/168	pg/L							DNQ Est. Conc. 3.7			
PCB-156/157	pg/L							DNQ Est. Conc. 1.6			
PCB-158	pg/L							ND			
PCB-167	pg/L							DNQ Est. Conc. 0.94 (2)			
PCB-169	pg/L							ND			
PCB-170	pg/L							ND			
PCB-177	pg/L							ND			
PCB-18/30	pg/L							DNQ Est. Conc. 6.5 (2)			
PCB-180/193	pg/L							DNQ Est. Conc. 3.4			
PCB-183	pg/L							DNQ Est. Conc. 1.3			
PCB-187	pg/L							ND			
PCB-189	pg/L							ND			
PCB-194	pg/L							ND			
PCB-20/28	pg/L							DNQ Est. Conc. 15			
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. 3.0 (2)			
PCB-52	pg/L							DNQ Est. Conc. 14			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 7.6			
PCB-66	pg/L							DNQ Est. Conc. 3.3			
PCB-77	pg/L							ND			

Valencia Water Reclamation Plant  
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Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
Hepachlor epoxide	ug/L			ND	ND	ND			EPA 608.3	0.01	0.005	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625.1	1	0.47	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625.1	1	0.96	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625.1	5	2.0	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625.1	1	0.81	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.013	0.020
Iron	ug/L	96.8	71.6	71.6	93.1	119		300	EPA 200.8		3.2	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625.1	0.5	0.28	1.0
Lead	ug/L			DNO Est. Conc. 0.02	ND	DNO Est. Conc. 0.05			EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0043	0.0040	0.00074	0.0027	0.0065			EPA 1631E		0.000047 - 0.00031	0.00050
Methyl Bromide	ug/L			ND	ND	ND			EPA 624.1	2	0.30	0.50
Methyl Chloride	ug/L			ND	ND	ND			EPA 624.1	2	0.41	0.50
Methyl Tert-butyl Ether	ug/L			ND	ND	ND			EPA 624.1		0.08	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624.1	2	0.46	0.50
Naphthalene	ug/L			ND	ND	ND			EPA 625.1	1	0.20	1.0
Nickel	ug/L			1.88	2.08	2.26			EPA 200.8	1	0.07	1.00
Nitrate + nitrite as nitrogen	mg/L	3.80	3.61	2.39	3.39	4.40		6.8	Calculated			
Nitrate as nitrogen	mg/L	3.77	3.59	2.35	3.33	4.35		6.8	SM 4500 NO3 F		0.020 - 0.048	0.200
Nitrite as nitrogen	mg/L	ND	ND	0.047	0.047	0.177		0.9	SM 4500 NO3 F		0.003 - 0.015	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625.1	1	0.31	1.0
n-Nitrosodimethylamine	ug/L			ND	ND	1.2			EPA 625.1 & EPA 1625C		0.0005 - 0.50	0.010 - 5.0
N-nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625.1 & EPA 1625C		0.0006 - 0.36	0.010 - 1.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625.1 & EPA 1625C	1	0.0013 - 0.64	0.050 - 1.0
OctaCDD	pg/L			ND (1)	ND	DNO Est. Conc. 89 (1)			EPA 1613B		0.16 - 14	100 - 110
OctaCDF	pg/L			ND (1)(2)	ND	DNO Est. Conc. 34			EPA 1613B		0.37 - 5.1	100 - 110
Oil and grease	mg/L			ND	ND	ND	15	10	EPA 1664A		1.2 - 1.4	4.2 - 4.4
Organic Nitrogen	mg/L	0.979	0.990	0.480	1.22	1.67			Calculated			
Orthophosphate-P	mg/L			0.427	0.635	0.871			EPA 365.1		0.006 - 0.010	0.030
PCB-101 (Co: 90/101/113)	pg/L			DNO Est. Conc. 10	ND	DNO Est. Conc. 10			EPA 1668C		2.3	600
PCB-105	pg/L			ND	ND	ND			EPA 1668C		1.9	20
PCB-110/115	pg/L			DNO Est. Conc. 8.0	ND	DNO Est. Conc. 8.0			EPA 1668C		1.9	400
PCB-114	pg/L			ND	ND	ND			EPA 1668C		2.0	20
PCB-118	pg/L			DNO Est. Conc. 9.3	ND	DNO Est. Conc. 9.3			EPA 1668C		1.8	20
PCB-123	pg/L			ND	ND	ND			EPA 1668C		2.1	20
PCB-126	pg/L			ND	ND	ND			EPA 1668C		2.2	20
PCB-128/166	pg/L			ND	ND	ND			EPA 1668C		0.77	400
PCB-135/151	pg/L			ND	ND	ND			EPA 1668C		0.84	400
PCB-138 (Co: 129/138/163)	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.83	600
PCB-147/149	pg/L			DNO Est. Conc. 1.3	ND	DNO Est. Conc. 1.3			EPA 1668C		0.80	400
PCB-153/168	pg/L			DNO Est. Conc. 3.7	ND	DNO Est. Conc. 3.7			EPA 1668C		0.68	400
PCB-156/157	pg/L			DNO Est. Conc. 1.6	ND	DNO Est. Conc. 1.6			EPA 1668C		0.65	40
PCB-158	pg/L			ND	ND	ND			EPA 1668C		0.61	200
PCB-167	pg/L			DNO Est. Conc. 0.94 (2)	ND (2)	DNO Est. Conc. 0.94 (2)			EPA 1668C		0.47	20
PCB-169	pg/L			ND	ND	ND			EPA 1668C		0.51	20
PCB-170	pg/L			ND	ND	ND			EPA 1668C		1.1	200
PCB-177	pg/L			ND	ND	ND			EPA 1668C		0.98	200
PCB-18/30	pg/L			DNO Est. Conc. 6.5 (2)	ND (2)	DNO Est. Conc. 6.5 (2)			EPA 1668C		3.3	400
PCB-180/193	pg/L			DNO Est. Conc. 3.4	ND	DNO Est. Conc. 3.4			EPA 1668C		0.84	400
PCB-183	pg/L			DNO Est. Conc. 1.3	ND	DNO Est. Conc. 1.3			EPA 1668C		0.83	200
PCB-187	pg/L			ND	ND	ND			EPA 1668C		1.0	200
PCB-189	pg/L			ND	ND	ND			EPA 1668C		0.82	20
PCB-194	pg/L			ND	ND	ND			EPA 1668C		0.97	200
PCB-20/28	pg/L			DNO Est. Conc. 15	ND	DNO Est. Conc. 15			EPA 1668C		2.7	400
PCB-201	pg/L			ND	ND	ND			EPA 1668C		0.57	200
PCB-206	pg/L			ND	ND	ND			EPA 1668C		1.9	200
PCB-37	pg/L			ND	ND	ND			EPA 1668C		2.5	200
PCB-44/47/65	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		2.5	600
PCB-49/69	pg/L			DNO Est. Conc. 3.0 (2)	ND (2)	DNO Est. Conc. 3.0 (2)			EPA 1668C		2.2	400
PCB-52	pg/L			DNO Est. Conc. 14	ND	DNO Est. Conc. 14			EPA 1668C		2.4	200
PCB-61/70/74/76	pg/L			DNO Est. Conc. 7.6	ND	DNO Est. Conc. 7.6			EPA 1668C		1.6	800
PCB-66	pg/L			DNO Est. Conc. 3.3	ND	DNO Est. Conc. 3.3			EPA 1668C		1.6	200
PCB-77	pg/L			ND	ND	ND			EPA 1668C		1.7	20

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Parameter	Units	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							ND			
PCB-99	pg/L							ND			
PCBs as Aroclors	pg/L	ND						ND			
PCBs as Congeners	pg/L							ND			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.15						0.59			
pH	SU	7.3	7.3	7.2	7.2	7.2	7.2	7.3	7.2	7.2	7.3
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	ND						ND			
Pyrene	ug/L	ND						ND			
Radium 226 + Radium 228	pCi/L	0.35			0.46			0.29			0.32
Selenium	ug/L	DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.21
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	0.343			0.285			0.506			0.356
Sulfate	mg/L	166	160	149	149	149	138	126	131	126	138
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	ND			ND			DNQ Est. Conc. 0.08			DNQ Est. Conc. 0.09
Temperature	Degrees F	72.4	71.3	70.9	73.6	76.7	78.6	80.7	81.9	81.1	79.3
Tetrachloroethylene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	DNQ Est. Conc. 0.34						DNQ Est. Conc. 0.20			
Total chlorinated hydrocarbons	ug/L	ND			ND			ND			ND
Total Chromium	ug/L	0.55						DNQ Est. Conc. 0.36			
Total Coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	676	635	623	584	599	585	534	591	545	576
Total Hardness	mg/L	228	218	224	209	212	189	175	183	175	199
Total Kjeldahl Nitrogen (TKN)	mg/L	2.34	2.18	2.50	2.08	2.58	2.30	2.66	1.57	2.55	2.11
Total Nitrogen	mg/L	5.22	5.88	5.61	6.48	5.41	4.69	5.80	5.51	6.09	5.42
Total Phosphorous	mg/L	0.479			0.522			0.825			0.936
Total Residual Chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	ug/L	20.1	12.9	13.1	11.3	14.5	11.5	14.6	19.0	21.2	19.4
Toxaphene	ug/L	ND						ND			
Toxic Equivalence	pg/L	ND			ND			ND			ND
Trichloroethylene	ug/L	ND						ND			
Tritium	pCi/L	1230			-102			14.4			-23.4
Turbidity (flow proportioned avg daily value)	NTU	0.93	0.71	1.1	0.76	0.75	0.95	1.1	0.93	1.2	1.0
Uranium	pCi/L	0.522			0.284			0.211			0.407
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	25.9			18.4			19.2			18.8

Valencia Water Reclamation Plant  
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Parameter	Units	November 2020	December 2020	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
							Max Daily	Monthly Average				
PCB-81	pg/L			ND	ND	ND			EPA 1668C		1.8	20
PCB-86/87/97/108/119	pg/L			ND	ND	ND			EPA 1668C		2.2	1,200
PCB-99	pg/L			ND	ND	ND			EPA 1668C		2.2	200
PCBs as Aroclors	pg/L			ND	ND	ND			Calculated			
PCBs as Congeners	pg/L			ND	ND	ND			Calculated			
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625.1	5	0.82	1.0
Perchlorate	ug/L			0.15	0.37	0.59			EPA 331.0		0.0201	0.05
pH	SU	7.3	7.3	7.2	7.2	7.3			SM 4500 H+ B			
Phenanthrene	ug/L			ND	ND	ND			EPA 625.1	5	0.59	1.0
Phenol	ug/L			ND	ND	ND			EPA 625.1	1	0.24	1.0
Pyrene	ug/L			ND	ND	ND			EPA 625.1	10	0.60	1.0
Radium 226 + Radium 228	pCi/L			0.29	0.36	0.46	5		Drinking H2O Radium Sum Method			
Selenium	ug/L	DNO Est. Conc. 0.22	DNO Est. Conc. 0.26	DNO Est. Conc. 0.20	ND	DNO Est. Conc. 0.45	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
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			0.285	0.372	0.506	8		EPA 905.0		0.379 - 0.765	3.00
Sulfate	mg/L	131	133	126	141	166		400	EPA 300.0		0.110 - 0.140	2.50
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.06 - 0.10	0.10
Surfactant (MBAS)	mg/L			ND	ND	DNO Est. Conc. 0.09		0.5	SM 5540C		0.01 - 0.03	0.10
Temperature	Degrees F	76.6	72.2	70.9	76.3	81.9	(4)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L			ND	ND	ND			EPA 624.1	2	0.18	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L			DNO Est. Conc. 0.20	ND	DNO Est. Conc. 0.34			EPA 624.1	2	0.15	0.50
Total chlorinated hydrocarbons	ug/L			ND	ND	ND			Calculated			
Total Chromium	ug/L			DNO Est. Conc. 0.36	0.28	0.55			EPA 200.8	0.5	0.10	0.50
Total Coliform	No./100mL	ND	ND	ND	ND	ND	(5)	(5)	SM 9222B			1
Total Dissolved Solids	mg/L	543	566	534	588	676		1000	SM 2540C			25.0
Total Hardness	mg/L	182	193	175	199	228			Calculated			
Total Kjeldahl Nitrogen (TKN)	mg/L	1.92	2.01	1.57	2.23	2.66			EPA 351.2		0.045 - 0.129	0.200
Total Nitrogen	mg/L	5.72	5.62	4.69	5.62	6.48			Total Nitrogen Calculation			0.200
Total Phosphorous	mg/L			0.479	0.691	0.936			EPA 365.1		0.014 - 0.026	0.030
Total Residual Chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.005 - 0.030	0.10
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D			2.5
Total Trihalomethanes	ug/L	15.9	15.4	11.3	15.7	21.2		80	Calculated			
Toxaphene	ug/L			ND	ND	ND			EPA 608.3	0.5	0.3	0.5
Toxic Equivalence	pg/L			ND	ND	ND			Calculated			
Trichloroethylene	ug/L			ND	ND	ND			EPA 624.1	2	0.15	0.50
Tritium	pCi/L			-102	280	1230	20000		EPA 906.0		300 - 346	500
Turbidity (flow proportioned avg daily value)	NTU	0.86	0.75	0.71	0.92	1.2		2	SM 2130B		0.0070 - 0.12	0.50
Uranium	pCi/L			0.211	0.356	0.522	20		EPA 908.0		0.111 - 0.196	1.00
Vinyl chloride	ug/L			ND	ND	ND			EPA 624.1	2	0.25	0.50
Zinc	ug/L			18.4	20.6	25.9			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 2020, the monthly TSO-based interim limit was equal to the monthly average chloride concentration in the treated water supply for the State Water Project plus 77 mg/L; compliance was based on the 12-month rolling average of the effluent chloride concentration. The NPDES-based limit is 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

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](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](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](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](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](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.

**Public Availability of Information Submitted on and with General Permit Reports**

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 personal information (e.g., non-business cell phone number or non-business email address), 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.

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

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with EPA regulations (40 CFR 503.18, 503.28, and 503.48). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 3 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Facility Information

**Facility Name:** LACSD - VALENCIA WRP

**NPDES ID:** CAL054216

Program Information

**Please select all of the following that apply 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).**

4266

**Reporting Period Start Date:** 01/01/2020

**Reporting Period End Date:** 12/31/2020

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 (e.g., Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter, Screw Press)

**Other Processes to Manage Sewage Sludge:**

Methane or Biogas Capture and Recovery

Analytical Methods

Did you or your facility collect sewage sludge or biosolids samples for laboratory analysis?  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

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 003

Amount: 4266

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:

Eulas Thomas  
Mine Superintendent  
661-303-1383  
Eulas.Thomas@hmholloway.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
Valencia Annual.pdf	01/25/2021 5:48 PM	102.41 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: 02/09/2021 3:41 PM

**2020 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
20011500364	1/15/2020	17.4	4.13	1.7	15.0	691	7.36	0.44	8.9	16.5	5.4	689
20020600335	2/5/2020	19.7	3.36	1.5	-	636	6.91	0.60	8.1	13.6	4.4	644
20030400533	3/4/2020	18.9	3.89	1.7	-	777	7.62	0.63	10.2	17.1	5.1	727
20040800324	4/8/2020	19.1	3.50	1.6	13.5	709	7.01	0.48	9.5	16.3	5.5	644
20050600465	5/6/2020	19.1	3.84	1.7	-	699	7.23	0.43	9.3	16.4	5.2	726
20060300422	6/3/2020	20.0	4.20	1.9	-	701	7.80	0.66	9.8	16.2	5.2	765
20071500410	7/15/2020	17.1	3.48	1.6	11.5	584	5.47	0.36	8.5	13.9	4.7	632
20080500511	8/5/2020	19.2	4.21	1.9	-	680	7.55	0.52	10.2	15.9	5.4	822
20090200470	9/2/2020	15.4	4.24	1.8	-	773	6.73	0.95	9.5	15.9	4.8	864
20100700494	10/7/2020	17.4	4.36	1.7	13.2	796	7.22	0.47	10.8	17.5	5.2	835
20110400501	11/4/2020	18.6	5.24	1.6	-	886	8.77	0.42	11.2	17.8	5.0	949
20120300190	12/2/2020	18.4	4.68	1.6	-	741	6.90	0.49	10.1	16.5	4.5	777
<b>MEAN</b>		<b>18.4</b>	<b>4.09</b>	<b>1.7</b>	<b>13.3</b>	<b>723</b>	<b>7.21</b>	<b>0.54</b>	<b>9.7</b>	<b>16.1</b>	<b>5.0</b>	<b>756</b>
<b>MAX</b>			<b>5.24</b>	<b>1.9</b>	<b>15.0</b>	<b>886</b>	<b>8.77</b>	<b>0.95</b>	<b>11.2</b>	<b>17.8</b>	<b>5.5</b>	<b>949</b>
<b>TABLE 1 LIMITS</b>		\	<b>75</b>	<b>85</b>	\	<b>4,300</b>	<b>840</b>	<b>57</b>	<b>75</b>	<b>420</b>	<b>100</b>	<b>7,500</b>
<b>TABLE 3 LIMITS</b>		\	<b>41</b>	<b>39</b>	\	<b>1,500</b>	<b>300</b>	<b>17</b>	\	<b>420</b>	<b>100</b>	<b>2,800</b>

Sample No.	Date	% TS	NH <sub>3</sub> -N	Org-N	NO <sub>3</sub> -N	NO <sub>2</sub> -N	PO <sub>4</sub>	Boron	K	pH
20011500364	1/15/2020	17.4	10,600	67,000	< 11.5	30.2	89,700	33.5	2,030	8.3
20020600335	2/5/2020	19.7	10,200	63,400	< 10.1	12.0	92,700	-	-	-
20030400533	3/4/2020	18.9	11,000	67,100	< 10.6	32.6	105,000	-	-	-
20040800324	4/8/2020	19.1	9,730	67,500	< 10.4	9.2	101,000	28.1	1,560	8.6
20050600465	5/6/2020	19.1	11,100	59,800	< 10.5	18.3	93,700	-	-	-
20060300422	6/3/2020	20.0	10,300	54,300	< 9.98	14.5	99,800	-	-	-
20071500410	7/15/2020	17.1	9,510	60,600	< 11.7	20.0	84,400	31.0	1,940	8.5
20080500511	8/5/2020	19.2	8,770	62,700	< 10.4	11.9	86,700	-	-	-
20090200470	9/2/2020	15.4	10,400	67,100	< 13.0	10.4	94,500	-	-	-
20100700494	10/7/2020	17.4	9,400	63,700	< 11.5	18.0	112,000	33.7	1,930	8.3
20110400501	11/4/2020	18.6	8,830	69,000	< 10.7	14.3	107,000	-	-	-
20120300190	12/2/2020	18.4	12,000	59,000	< 10.9	18.0	90,200	-	-	-
<b>MEAN</b>		<b>18.4</b>	<b>10,200</b>	<b>63,400</b>	<b>5.5</b>	<b>17.5</b>	<b>96,392</b>	<b>31.6</b>	<b>1,865</b>	<b>8.4</b>
<b>MAX</b>			<b>12,000</b>	<b>69,000</b>	<b>6.5</b>	<b>32.6</b>	<b>112,000</b>	<b>33.7</b>	<b>2,030</b>	<b>8.6</b>

\ = No limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

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

Sample No.		Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu
20011500366	1/15/2020	45.4	0.02	< 0.05	3.1	< 0.01	< 0.005	0.09	< 0.04	< 0.10
20040800326	4/8/2020	43.0	0.02	< 0.05	10.8	< 0.01	0.005	0.12	< 0.04	0.22
20071500411	7/15/2020	29.7	0.02	< 0.05	2.5	< 0.01	< 0.005	0.09	< 0.04	< 0.10
20100700496	10/7/2020	26.9	0.02	< 0.05	2.5	< 0.01	< 0.005	0.09	< 0.04	< 0.10
<b>MEAN</b>		<b>36.3</b>	<b>0.02</b>	<b>0.03</b>	<b>4.7</b>	<b>0.005</b>	<b>0.003</b>	<b>0.10</b>	<b>0.02</b>	<b>0.09</b>
<b>MAX</b>		<b>45.4</b>	<b>0.02</b>	<b>0.03</b>	<b>10.8</b>	<b>0.005</b>	<b>0.005</b>	<b>0.12</b>	<b>0.02</b>	<b>0.22</b>
<b>TITLE 22 STLCs</b>		<b>\</b>	<b>15</b>	<b>5.0</b>	<b>100</b>	<b>0.75</b>	<b>1.0</b>	<b>5</b>	<b>80</b>	<b>25</b>

Sample No.		Pb	Hg	Mo	Ni	Se	Ag	Tl	Sn	V	Zn
20011500366	1/15/2020	0.04	< 0.0005	0.05	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.39	6.32
20040800326	4/8/2020	0.05	< 0.0005	0.07	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.51	14.7
20071500411	7/15/2020	0.05	< 0.0005	0.07	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.43	8.29
20100700496	10/7/2020	0.06	< 0.0005	0.06	< 1.00	< 0.02	< 0.02	< 0.04	< 0.04	0.46	8.02
<b>MEAN</b>		<b>0.05</b>	<b>0.00025</b>	<b>0.06</b>	<b>0.5</b>	<b>0.01</b>	<b>0.01</b>	<b>0.02</b>	<b>0.02</b>	<b>0.45</b>	<b>9.33</b>
<b>MAX</b>		<b>0.06</b>	<b>0.00025</b>	<b>0.07</b>	<b>0.5</b>	<b>0.01</b>	<b>0.01</b>	<b>0.02</b>	<b>0.02</b>	<b>0.51</b>	<b>14.70</b>
<b>TITLE 22 STLCs</b>		<b>5.0</b>	<b>0.2</b>	<b>350</b>	<b>20</b>	<b>1.0</b>	<b>5</b>	<b>7.0</b>	<b>\</b>	<b>24</b>	<b>250</b>

\ = No limit

Calculated mean values use one-half of the detection limit if a reported concentration is non-detect.

**2020 BIOSOLIDS MANAGEMENT PROGRAM**

**VALENCIA WATER RECLAMATION PLANT  
Digester Performance**

Month	Temp ( °F )	Detention	
		Time (Days)	VSD (%)
January	98.4	39	65
February	98.4	39	65
March	98.2	37	59
April	98.8	41	63
May	98.3	43	66
June	98.4	40	65
July	98.3	40	65
August	98.5	40	64
September	98.8	43	66
October	98.8	40	67
November	99.1	41	69
December	98.4	38	68
<b>MEAN</b>	<b>98.5</b>	<b>40</b>	<b>65</b>
<b>MIN</b>	<b>98.2</b>	<b>37</b>	<b>59</b>

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

Date	1/15/2020	4/8/2020	7/15/2020	10/7/2020
Sample Number(s)	20011500363	20040800323	20071500410	20100700492
	20011500364	20040800324	20071500411	20100700494
	20011500365	20040800325		20100700495
Constituent	Result	Result	Result	Result
Total Cyanide	4.13	2.38	3.89	< 3.24
Total Chromium	15.00	13.5	11.5	13.2
Arsenic	4.13	3.50	3.48	4.36
Antimony	1.92	1.79	1.70	1.94
Beryllium	0.05	0.05	< 0.05	< 0.05
Cadmium	1.7	1.6	1.6	1.7
Copper	691	709	584	796
Lead	7.36	7.01	5.47	7.22
Mercury	0.44	0.48	0.36	0.47
Nickel	16.5	16.3	13.9	17.5
Selenium	5.4	5.5	4.7	5.2
Silver	3.7	3.0	4.8	4.8
Zinc	689	644	632	835
PP'-DDE	< 0.025	< 0.025	< 0.025	0.018
BETA-BHC	< 0.025	< 0.025	< 0.025	0.029
Methylene Chloride	0.085	< 0.049	< 0.049	< 0.060

**VALENCIA WATER RECLAMATION PLANT**  
**2020 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)**

Sample Number(s)	20011500363	20040800323	20071500408	20100700492	
	20011500364	20040800324	20071500410	20100700494	
	20011500365	20040800325	20071500411	20100700495	
				20100700496	
Sample Date	1/15/2020	4/8/2020	7/15/2020	10/7/2020	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
TOTAL CYANIDE	4.13	2.38	3.89	< 3.24	MG/KG
TOTAL CHROMIUM	15.0	13.5	11.5	13.2	MG/KG
TOTAL SOLIDS	17.4	19.1	17.1	17.4	%
ARSENIC	4.13	3.50	3.48	4.36	MG/KG
CADMIUM	1.7	1.6	1.6	1.7	MG/KG
COPPER	691	709	584	796	MG/KG
LEAD	7.36	7.01	5.47	7.22	MG/KG
MERCURY	0.44	0.48	0.36	0.47	MG/KG
NICKEL	16.5	16.3	13.9	17.5	MG/KG
SELENIUM	5.4	5.5	4.7	5.2	MG/KG
SILVER	3.7	3.0	4.8	4.8	MG/KG
ZINC	689	644	632	835	MG/KG
ANTIMONY	1.92	1.79	1.70	1.94	MG/KG
BERYLLIUM	0.05	0.05	< 0.05	< 0.05	MG/KG
THALLIUM	< 0.2	< 0.2	< 0.2	< 0.2	MG/KG
COBALT	2.56	2.13	1.91	2.57	MG/KG
BARIUM	212	196	162	194	MG/KG
MANGANESE	104	88	82	9	MG/KG
MOLYBDENUM	8.9	9.5	8.5	10.8	MG/KG
VANADIUM	41.3	41.3	37.2	46.3	MG/KG
PHENOLS	45.0	< 20	30	39	MG/KG
FLUORIDE	< 28.0	< 5.0	< 7.5	19.0	MG/KG
TOTAL ORGANIC CARBON	369,000	342,000	327,000	352,000	MG/KG
TOTAL ORGANIC HALOGEN (TOX)	< 280	< 250	< 380	< 300	MG/KG
ETHYL PARATHION	< 11.00	< 4.40	< 6.90	< 130.0	MG/KG
DEMETON	< 11.00	< 4.40	< 6.90	< 13.0	MG/KG
GUTHION	< 11.00	< 4.40	< 6.90	< 13.0	MG/KG
MALATHION	< 11.00	< 4.40	< 6.90	< 13.0	MG/KG
OP'-DDE	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
PP'-DDE	< 0.025	< 0.025	< 0.025	0.018	MG/KG
OP'-DDD	< 0.025	< 0.025	0.038	0.034	MG/KG
PP'-DDD	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
OP'-DDT	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
PP'-DDT	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
ALPHA-BHC	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
LINDANE (GAMMA-BHC)	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
HEPTACHLOR	< 0.025	< 0.025	< 0.025	< 0.110	MG/KG
HEPTACHLOR EPOXIDE	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
ALDRIN	< 0.050	< 0.049	< 0.050	< 0.110	MG/KG
DIELDRIN	< 0.025	< 0.025	< 0.025	< 0.110	MG/KG
ENDRIN	< 0.025	< 0.025	< 0.025	< 0.110	MG/KG
TOXAPHENE	< 0.350	< 0.350	< 0.350	< 0.540	MG/KG
METHOXYCLOR	< 0.025	< 0.025	< 0.025	< 0.110	MG/KG
2,4-D(ACID)	< 1.900	< 1.700	< 2.600	< 9.600	MG/KG
2,4,5-TP(SILVEX)	< 1.900	< 1.700	< 2.600	< 9.600	MG/KG
AROCLOR 1242	< 0.300	< 0.300	< 0.300	< 0.110	MG/KG
AROCLOR 1254	< 0.200	< 0.200	< 0.200	< 0.110	MG/KG
BETA-BHC	< 0.025	< 0.025	< 0.025	0.029	MG/KG
DELTA-BHC	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
ENDOSULFAN I	< 0.025	< 0.025	< 0.025	< 0.110	MG/KG
ENDOSULFAN II	< 0.025	< 0.025	< 0.025	< 0.110	MG/KG
ENDOSULFAN SULFATE	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
ENDRIN ALDEHYDE	< 0.250	< 0.250	< 0.250	< 0.110	MG/KG
AROCLOR 1016	< 0.200	< 0.200	< 0.200	< 0.110	MG/KG
AROCLOR 1221	< 0.300	< 0.300	< 0.300	< 0.110	MG/KG
AROCLOR 1232	< 0.300	< 0.300	< 0.300	< 0.110	MG/KG
AROCLOR 1248	< 0.150	< 0.150	< 0.150	< 0.110	MG/KG
AROCLOR 1260	< 0.150	< 0.150	< 0.150	< 0.110	MG/KG
TECHNICAL CHLORDANE	< 0.150	< 0.150	< 0.150	< 0.110	MG/KG

**VALENCIA WATER RECLAMATION PLANT**  
**2020 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)**

Sample Number(s)	20011500363	20040800323	20071500408	20100700492	
	20011500364	20040800324	20071500410	20100700494	
	20011500365	20040800325	20071500411	20100700495	
				20100700496	
Sample Date	1/15/2020	4/8/2020	7/15/2020	10/7/2020	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
MIREX	< 0.025	< 0.025	< 0.025	< 0.011	MG/KG
METHYLENE CHLORIDE	< 0.085	< 0.049	< 0.049	< 0.060	MG/KG
CHLOROFORM	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
1,1,1-TRICHLOROETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
CARBON TETRACHLORIDE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
1,1-DICHLOROETHENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
TRICHLOROETHYLENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
TETRACHLOROETHYLENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
BROMODICHLOROMETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
DIBROMOCHLOROMETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
BROMOFORM	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
CHLOROENZENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
VINYL CHLORIDE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
O-DICHLOROENZENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
M-DICHLOROENZENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
P-DICHLOROENZENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
1,1-DICHLOROETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
1,1,2-TRICHLOROETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
1,2-DICHLOROETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
BENZENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
TOLUENE	< 0.073	< 0.049	< 0.049	< 0.070	MG/KG
ETHYL BENZENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
BROMOMETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
CHLOROETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
2-CHLOROETHYL VINYLETHER	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
CHLOROMETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
1,2-DICHLOROPROPANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
ACROLEIN	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
ACRYLONITRILE	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
FREON 12 (CCL2F2)	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
FREON 11 (CCL3F)	< 0.073	< 0.049	< 0.049	< 0.060	MG/KG
2-BUTANONE	< 3.000	< 1.100	4.000	0.680	MG/KG
2,4,5-TRICHLOROPHENOL	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
ACENAPHTHENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
ACENAPHTHYLENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
ANTHRACENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
BENZIDINE	< 261	< 235	< 281	< 130	MG/KG
BENZO(A)ANTHRACENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
BENZO(A)PYRENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
BENZO(B)FLUORANTHENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
BENZO(G.H.I.)PERYLENE	< 52.1	< 47.1	< 56.1	< 26.0	MG/KG
BENZO(K)FLUORANTHENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
DIETHYLHEXYL PHTHALATE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
4-BROMOPHENYL PHENYLETHER	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
BUTYLBENZYL PHTHALATE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
2-CHLORONAPHTHALENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
CHRYSENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
DIBENZO(A,H)ANTHRACENE	< 52.1	< 47.1	< 56.1	< 26.0	MG/KG
1,2-DICHLOROENZENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
1,3-DICHLOROENZENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
1,4-DICHLOROENZENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG

**VALENCIA WATER RECLAMATION PLANT**  
**2020 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)**

Sample Number(s)	20011500363	20040800323	20071500408	20100700492	
	20011500364	20040800324	20071500410	20100700494	
	20011500365	20040800325	20071500411	20100700495	
				20100700496	
Sample Date	1/15/2020	4/8/2020	7/15/2020	10/7/2020	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
3,3'-DICHLOROBENZIDINE	< 104	< 94	< 112	< 64	MG/KG
DIETHYL PHTHALATE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
DIMETHYL PHTHALATE	< 52.1	< 47.1	< 56.1	< 64.0	MG/KG
DI-N-BUTYL PHTHALATE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
2,4-DINITROTOLUENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
2,6-DINITROTOLUENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
DI-N-OCTYL PHTHALATE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
1,2-DIPHENYLHYDRAZINE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
1,2,4-TRICHLOROBENZENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
2,3,7,8-TCDD	< 0.0011	< 0.0099	< 0.011	< 0.0089	MG/KG
2,4,6-TRICHLOROPHENOL	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
2,4-DICHLOROPHENOL	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
2,4-DIMETHYLPHENOL	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
2,4-DINITROPHENOL	< 104	< 94.1	< 112	< 640	MG/KG
2-CHLOROPHENOL	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
2-METHYL-4,6DINITROPHENOL	< 52.1	< 47.1	< 56.1	< 130.0	MG/KG
2-NITROPHENOL	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
4-CHLORO-3-METHYLPHENOL	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
4-NITROPHENOL	< 104	< 94	< 112	< 13.0	MG/KG
FLUORANTHENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
FLUORENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
HEXACHLOROBENZENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
HEXACHLOROBUTADIENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 104	< 94.1	< 112	< 13.0	MG/KG
HEXACHLOROETHANE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 52.1	< 47.1	< 56.1	< 26.0	MG/KG
ISOPHORONE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
M+P CRESOL	< 104	< 94	< 112	< 13.0	MG/KG
NAPHTHALENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
NITROBENZENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
N-NITROSODIMETHYLAMINE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
N-NITROSODIPHENYLAMINE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
O-CRESOL	< 104	< 94	< 112	< 13.0	MG/KG
PENTACHLOROPHENOL	< 104	< 94	< 112	< 13.0	MG/KG
PHENANTHRENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
PHENOL	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
PYRENE	< 52.1	< 47.1	< 56.1	< 13.0	MG/KG
PYRIDINE	< 52.1	< 47.1	< 56.1	< 26.0	MG/KG



# Whittier Narrows WRP Influent Monitoring

Whittier Narrows Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethylene	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	
1,2-trans-Dichloroethylene	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		ND						ND	
2,3,7,8-TCDD	ug/L		ND			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-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	
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						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		1.24						1.18	
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		2.01						2.92	
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	

Whittier Narrows Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.16	0.5
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624.1	1	0.21	0.5
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.13	0.5
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1	1	0.08	0.5
1,1-Dichloroethylene	ug/L				ND	ND	ND	EPA 624.1	2	0.21	0.5
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625.1	5	0.51	10 - 15
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.22	0.5
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624.1	1	0.14	0.5
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625.1	1	0.63	10 - 15
1,2-trans-Dichloroethylene	ug/L				ND	ND	ND	EPA 624.1	1	0.06	0.5
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
1,3-Dichloropropene	ug/L				ND	ND	ND	EPA 624.1			
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.25	0.5
2,3,7,8-TCDD	ug/L		ND		ND	ND	ND	EPA 1613B		0.74 - 2.1	10 - 11
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625.1	10	0.64	10 - 15
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.6	10 - 15
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625.1	2	0.44	10 - 15
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625.1	5	1.51	50 - 75
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1	5	0.37	10 - 15
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625.1	5	0.5	10 - 15
2-Chloroethylvinyl ether	ug/L				ND	ND	ND	EPA 624.1	1	0.28	0.5
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625.1	10	0.41	10 - 15
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.41	10 - 15
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625.1	5	1.3	50 - 75
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1	10	0.31	10 - 15
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625.1	5	0.54	10 - 15
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625.1	1	0.69	10 - 15
4,4-DDD	ug/L				ND	ND	ND	EPA 608.3	0.05	0.003 - 0.005	0.1
4,4-DDE	ug/L				ND	ND	ND	EPA 608.3	0.05	0.002 - 0.004	0.1
4,4-DDT	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001 - 0.004	0.1
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1	5	0.58	10 - 15
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625.1	5	0.63	10 - 15
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625.1	10	1.56	50 - 75
Acenaphthene	ug/L				ND	ND	ND	EPA 625.1	1	0.5	10 - 15
Acenaphthylene	ug/L				ND	ND	ND	EPA 625.1	10	0.5	10 - 15
Acrolein	ug/L				ND	ND	ND	EPA 624.1		0.64	2
Acrylonitrile	ug/L				ND	ND	ND	EPA 624.1		0.64	2
Aldrin	ug/L				ND	ND	ND	EPA 608.3	0.005	0.002 - 0.003	0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001 - 0.003	0.1
alpha-Endosulfan	ug/L				ND	ND	ND	EPA 608.3	0.02	0.003 - 0.004	0.1
Anthracene	ug/L				ND	ND	ND	EPA 625.1		0.56	10 - 15
Antimony	ug/L				1.18	1.21	1.24	EPA 200.8	0.5	0.07	0.5
Aroclor 1016	ug/L				ND	ND	ND	EPA 608.3	0.5	0.02 - 0.1	1.0 - 5.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	3.0 - 5.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Aroclor 1260	ug/L				ND	ND	ND	EPA 608.3	0.5	0.08 - 0.1	1.0 - 5.0
Arsenic	ug/L				2.01	2.47	2.92	EPA 200.8	2	0.06	1
Benzene	ug/L				ND	ND	ND	EPA 624.1	2	0.09	0.5
Benzidine	ug/L				ND	ND	ND	EPA 625.1	5	0.77	50 - 75
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625.1	5	0.46	10 - 15
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625.1	10	0.54	10 - 15
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625.1	10	0.61	10 - 15
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625.1	5	0.52	10 - 15
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625.1	10	0.53	10 - 15

Whittier Narrows Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Beryllium	ug/L		DNQ Est. Conc. 0.038						DNQ Est. Conc. 0.036	
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	326	236	252	260	252	254	326	241	268
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.40						ND	
Bromoform	ug/L		DNQ Est. Conc. 0.27						ND	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		0.38			1.00			1.1	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		5.2						0.95	
Chromium VI	ug/L		DNQ Est. Conc. 0.01						DNQ Est. Conc. 0.01	
Chromium, total	ug/L		15.1						16.0	
Chrysene	ug/L		ND						ND	
Copper	ug/L		121			75.0			175	
Cyanide, total	ug/L		ND						DNQ Est. Conc. 1.64	
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		DNQ Est. Conc. 0.40						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	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	
Ethylbenzene	ug/L		ND						ND	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
gamma-BHC	ug/L		ND						ND	
Heptachlor	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		5.10			1.52			5.82	
Mercury	ug/L		0.14			0.05			0.58	
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	
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		84.7						22.1	
Nitrobenzene	ug/L		ND						ND	
PCB-101 (Co: 90/101/113)	pg/L								DNQ Est. Conc. 310	
PCB-105	pg/L								110	
PCB-114	pg/L								DNQ Est. Conc. 8.8	

Whittier Narrows Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
Beryllium	ug/L				DNQ Est. Conc. 0.036	ND	DNQ Est. Conc. 0.038	EPA 200.8	0.5	0.02	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003	0.05
beta-endosulfan	ug/L				ND	ND	ND	EPA 608.3	0.01	0.003 - 0.004	0.1
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625.1	5	0.28	10 - 15
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625.1	1	0.27	10 - 15
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625.1	2	0.25	10 - 15
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625.1	5	0.55	10 - 15
BOD	mg/L	232	255	265	232	256	326	SM 5210B		0.6	86 - 120
Bromodichloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.40	EPA 624.1	2	0.11	0.5
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.27	EPA 624.1	2	0.18	0.5
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.58	10 - 15
Cadmium	ug/L		2.03		0.38	1.1	2.03	EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624.1	2	0.18	0.5
Chlorobenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.1	0.5
Chloroethane	ug/L				ND	ND	ND	EPA 624.1	2	0.31	0.5
Chloroform	ug/L				0.95	3.1	5.2	EPA 624.1	2	0.08	0.5
Chromium VI	ug/L				DNQ Est. Conc. 0.01	ND	DNQ Est. Conc. 0.01	EPA 218.6 (Dissolved)		0.014	0.05
Chromium, total	ug/L				15.1	15.6	16.0	EPA 200.8	0.5	0.1	0.5
Chrysene	ug/L				ND	ND	ND	EPA 625.1	10	0.41	10 - 15
Copper	ug/L		509		75.0	220	509	EPA 200.8	0.5	0.05	0.5 - 10
Cyanide, total	ug/L				ND	ND	DNQ Est. Conc. 1.64	SM 4500 CN E	5	0.001 - 1	0.005 - 5
delta-BHC	ug/L				ND	ND	ND	EPA 608.3	0.005	0.003 - 0.004	0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.59	10 - 15
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625.1	10	0.69	10 - 15
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625.1	10	0.58	10 - 15
Dibromochloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.40	EPA 624.1	2	0.11	0.5
Dieldrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.0009 - 0.003	0.1
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625.1	2	0.42	10 - 15
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625.1	2	0.41	10 - 15
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608.3	0.05	0.004 - 0.02	0.1 - 0.4
Endrin	ug/L				ND	ND	ND	EPA 608.3	0.01	0.001 - 0.004	0.1
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608.3	0.01	0.003 - 0.006	0.1
Ethylbenzene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
Fluoranthene	ug/L				ND	ND	ND	EPA 625.1	1	0.69	10 - 15
Fluorene	ug/L				ND	ND	ND	EPA 625.1	10	0.58	10 - 15
gamma-BHC	ug/L				ND	ND	ND	EPA 608.3	0.02	0.002 - 0.003	0.1
Heptachlor	ug/L				ND	ND	ND	EPA 608.3	0.01	0.002 - 0.005	0.1
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608.3	0.01	0.003 - 0.005	0.1
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625.1	1	0.47	10 - 15
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625.1	1	0.96	10 - 15
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625.1	5	2	50 - 75
Hexachloroethane	ug/L				ND	ND	ND	EPA 625.1	1	0.81	10 - 15
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625.1	10	0.53	10 - 15
Isophorone	ug/L				ND	ND	ND	EPA 625.1	1	0.28	10 - 15
Lead	ug/L		27.1		1.52	9.89	27.1	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L		1.18		0.05	0.5	1.18	EPA 245.1	0.5	0.012	0.04
Methyl bromide (bromomethane)	ug/L				ND	ND	ND	EPA 624.1	2	0.3	0.5
Methyl chloride (chloromethane)	ug/L				ND	ND	ND	EPA 624.1	2	0.41	0.5
Methylene chloride	ug/L				ND	ND	ND	EPA 624.1	2	0.46	0.5
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625.1	5	0.36	10 - 15
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625.1	5	0.5	50 - 75
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625.1	1	0.64	10 - 15
Naphthalene	ug/L				ND	ND	ND	EPA 625.1	1	0.2	10 - 15
Nickel	ug/L				22.1	53.4	84.7	EPA 200.8	1	0.07	1
Nitrobenzene	ug/L				ND	ND	ND	EPA 625.1	1	0.31	10 - 15
PCB-101 (Co: 90/101/113)	pg/L				DNQ Est. Conc. 310	ND	DNQ Est. Conc. 310	EPA 1668C		5.5	640
PCB-105	pg/L				110	110	110	EPA 1668C		5.1	21
PCB-114	pg/L				DNQ Est. Conc. 8.8	ND	DNQ Est. Conc. 8.8	EPA 1668C		5.2	21

Whittier Narrows Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-118	pg/L								240	
PCB-123	pg/L								ND	
PCB-126	pg/L								ND	
PCB-138 (Co: 129/138/163)	pg/L								DNQ Est. Conc. 300	
PCB-158	pg/L								DNQ Est. Conc. 27	
PCB-167	pg/L								DNQ Est. Conc. 17	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 87	
PCB-177	pg/L								DNQ Est. Conc. 45	
PCB-183	pg/L								DNQ Est. Conc. 54	
PCB-187	pg/L								DNQ Est. Conc. 85	
PCB-189	pg/L								DNQ Est. Conc. 4.8(1)	
PCB-194	pg/L								DNQ Est. Conc. 58	
PCB-201	pg/L								DNQ Est. Conc. 9.9	
PCB-206	pg/L								DNQ Est. Conc. 33	
PCB-37	pg/L								DNQ Est. Conc. 64	
PCB-52	pg/L								320	
PCB-66	pg/L								210	
PCB-77	pg/L								28	
PCB-81	pg/L								ND	
PCB-99	pg/L								DNQ Est. Conc. 120	
PCB-110/115	pg/L								DNQ Est. Conc. 320	
PCB-128/166	pg/L								DNQ Est. Conc. 29	
PCB-135/151	pg/L								DNQ Est. Conc. 85	
PCB-147/149	pg/L								DNQ Est. Conc. 190	
PCB-153/168	pg/L								DNQ Est. Conc. 260	
PCB-156/157	pg/L								59	
PCB-18/30	pg/L								DNQ Est. Conc. 110	
PCB-180/193	pg/L								DNQ Est. Conc. 210	
PCB-20/28	pg/L								DNQ Est. Conc. 250	
PCB-44/47/65	pg/L								DNQ Est. Conc. 320(2)	
PCB-49/69	pg/L								DNQ Est. Conc. 120	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 470	
PCB-86/87/97/108/119	pg/L								DNQ Est. Conc. 240	
Pentachlorophenol	ug/L		ND						ND	
pH	SU	7.8	7.6	7.7	7.8	7.8	7.8	7.7	7.7	7.7
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		15.2						19.0	
Pyrene	ug/L		ND						ND	
Selenium	ug/L		1.45						2.07	
Silver	ug/L		0.37						1.55	
Technical chlordanes	ug/L		ND						ND	
Tetrachloroethylene	ug/L		ND						ND	
Thallium	ug/L		DNQ Est. Conc. 0.011						DNQ Est. Conc. 0.018	
Toluene	ug/L		1.5						DNQ Est. Conc. 0.42	
Total suspended solids	mg/L	280	340	317	278	292	288	274	281	294
Toxaphene	ug/L		ND						ND	
Trichloroethylene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		1170			146			441	

Whittier Narrows Water Reclamation Plant  
2020 INF-001 Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Method	ML	MDL	RL
PCB-118	pg/L				240	240	240	EPA 1668C		4.6	21
PCB-123	pg/L				ND	ND	ND	EPA 1668C		5.4	21
PCB-126	pg/L				ND	ND	ND	EPA 1668C		6.8	21
PCB-138 (Co: 129/138/163)	pg/L				DNQ Est. Conc. 300	ND	DNQ Est. Conc. 300	EPA 1668C		2.6	640
PCB-158	pg/L				DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27	EPA 1668C		2	210
PCB-167	pg/L				DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668C		4.7	21
PCB-169	pg/L				ND	ND	ND	EPA 1668C		5.4	21
PCB-170	pg/L				DNQ Est. Conc. 87	ND	DNQ Est. Conc. 87	EPA 1668C		3	210
PCB-177	pg/L				DNQ Est. Conc. 45	ND	DNQ Est. Conc. 45	EPA 1668C		2.7	210
PCB-183	pg/L				DNQ Est. Conc. 54	ND	DNQ Est. Conc. 54	EPA 1668C		2.3	210
PCB-187	pg/L				DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85	EPA 1668C		1.5	210
PCB-189	pg/L				DNQ Est. Conc. 4.8(1)	ND(1)	DNQ Est. Conc. 4.8(1)	EPA 1668C		2.6	21
PCB-194	pg/L				DNQ Est. Conc. 58	ND	DNQ Est. Conc. 58	EPA 1668C		2.5	210
PCB-201	pg/L				DNQ Est. Conc. 9.9	ND	DNQ Est. Conc. 9.9	EPA 1668C		1.2	210
PCB-206	pg/L				DNQ Est. Conc. 33	ND	DNQ Est. Conc. 33	EPA 1668C		1.8	210
PCB-37	pg/L				DNQ Est. Conc. 64	ND	DNQ Est. Conc. 64	EPA 1668C		15	210
PCB-52	pg/L				320	320	320	EPA 1668C		6.9	210
PCB-66	pg/L				210	210	210	EPA 1668C		5.2	210
PCB-77	pg/L				28	28	28	EPA 1668C		6.8	21
PCB-81	pg/L				ND	ND	ND	EPA 1668C		6.6	21
PCB-99	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668C		5.1	210
PCB-110/115	pg/L				DNQ Est. Conc. 320	ND	DNQ Est. Conc. 320	EPA 1668C		4.5	430
PCB-128/166	pg/L				DNQ Est. Conc. 29	ND	DNQ Est. Conc. 29	EPA 1668C		2.5	430
PCB-135/151	pg/L				DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85	EPA 1668C		2.7	430
PCB-147/149	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668C		2.6	430
PCB-153/168	pg/L				DNQ Est. Conc. 260	ND	DNQ Est. Conc. 260	EPA 1668C		2.2	430
PCB-156/157	pg/L				59	59	59	EPA 1668C		6.5	43
PCB-18/30	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668C		4.7	430
PCB-180/193	pg/L				DNQ Est. Conc. 210	ND	DNQ Est. Conc. 210	EPA 1668C		2.3	430
PCB-20/28	pg/L				DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668C		13	430
PCB-44/47/65	pg/L				DNQ Est. Conc. 320(2)	ND(2)	DNQ Est. Conc. 320(2)	EPA 1668C		7.1	640
PCB-49/69	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668C		6.2	430
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 470	ND	DNQ Est. Conc. 470	EPA 1668C		5.4	850
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 240	ND	DNQ Est. Conc. 240	EPA 1668C		5.2	1,300
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625.1	5	0.82	10 - 15
pH	SU	7.8	7.9	7.9	7.6	7.8	7.9	SM 4500 H+ B	5		
Phenanthrene	ug/L				ND	ND	ND	EPA 625.1	1	0.59	10 - 15
Phenol	ug/L				15.2	17.1	19.0	EPA 625.1		0.24	10 - 15
Pyrene	ug/L				ND	ND	ND	EPA 625.1	10	0.6	10 - 15
Selenium	ug/L				1.45	1.76	2.07	EPA 200.8	2	0.02	1
Silver	ug/L				0.37	0.96	1.55	EPA 200.8	0.25	0.02	0.2
Technical chlordane	ug/L				ND	ND	ND	EPA 608.3	0.1	0.02 - 0.04	0.5
Tetrachloroethylene	ug/L				ND	ND	ND	EPA 624.1	2	0.18	0.5
Thallium	ug/L				DNQ Est. Conc. 0.011	ND	DNQ Est. Conc. 0.018	EPA 200.8	1	0.01	0.25
Toluene	ug/L				DNQ Est. Conc. 0.42	ND	1.5	EPA 624.1	2	0.15	0.5
Total suspended solids	mg/L	229	260	289	229	285	340	SM 2540D		2.5	50 - 83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608.3	0.5	0.05 - 0.3	5
Trichloroethylene	ug/L				ND	ND	ND	EPA 624.1	2	0.15	0.5
Vinyl chloride	ug/L				ND	ND	ND	EPA 624.1	2	0.25	0.5
Zinc	ug/L		1170		146	732	1170	EPA 200.8	1	0.7	1 - 20

(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.

# Whittier Narrows WRP Effluent Monitoring



Whittier Narrows Water Reclamation Plant  
2020 EFF-001 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-Dichloroethylene	ug/L		ND		ND		ND		ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 2.4			ND(1)			ND	
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 1.4(2)			ND(1)			ND	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND			ND			ND	
1,2,3,4,7,8-HexaCDD	pg/L		ND			ND			ND	
1,2,3,4,7,8-HexaCDF	pg/L		ND			ND			ND	
1,2,3,6,7,8-HexaCDD	pg/L		ND			ND(1)			ND	
1,2,3,6,7,8-HexaCDF	pg/L		ND			ND(1)			ND	
1,2,3,7,8,9-HexaCDD	pg/L		ND			DNQ Est. Conc. 0.81			ND	
1,2,3,7,8,9-HexaCDF	pg/L		ND			ND(1)			ND	
1,2,3,7,8-PentaCDD	pg/L		ND			ND			ND	
1,2,3,7,8-PentaCDF	pg/L		ND			ND(1)			ND	
1,2,3-Trichloropropane	ug/L		ND						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	
1,2-trans-Dichloroethylene	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		1.0						0.78	
2,3,4,6,7,8-HexaCDF	pg/L		ND			ND			ND	
2,3,4,7,8-PentaCDF	pg/L		ND			ND			ND	
2,3,7,8-TCDD	ug/L		DNQ Est. Conc. 0.0000067			DNQ Est. Conc. 0.000002(2)	ND		ND	
2,3,7,8-TetraCDF	pg/L		ND			DNQ Est. Conc. 2.1			ND	
2,4'-D	ug/L		ND		ND		ND		ND	
2,4,5-TP (Silvex)	mg/L		ND		ND		ND		ND	
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	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	
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	
alpha-Endosulfan	ug/L		ND						ND	
Ammonia nitrogen	mg/L	0.459	0.415	0.361	0.270	0.463	0.565	0.323	0.348	0.538
Anthracene	ug/L		ND		ND	ND	ND		ND	
Antimony	ug/L		DNQ Est. Conc. 0.44			DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.36		DNQ Est. Conc. 0.42	
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		DNQ Est. Conc. 0.86			DNQ Est. Conc. 0.80	DNQ Est. Conc. 0.96		DNQ Est. Conc. 0.99	
Barium	ug/L		42.5			27.0	71.9		16.2	
Benzene	ug/L		ND		ND		ND		ND	
Benzidine	ug/L		ND		ND		ND		ND	
Benzo(a)anthracene	ug/L		ND						ND	

Whittier Narrows Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.16	0.5
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624.1	1	0.21	0.5
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.13	0.5
1,1-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624.1	1	0.08	0.5
1,1-Dichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.21	0.5
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND(1)		ND(1)	ND	DNQ Est. Conc. 2.4			EPA 1613B		0.5 - 0.74	52 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 2.0(2)		ND(1)	ND	DNQ Est. Conc. 2.0(2)			EPA 1613B		0.38 - 0.83	52 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND		ND	ND	ND			EPA 1613B		0.56 - 1.3	52 - 54
1,2,3,4,7,8-HexaCDD	pg/L		ND(1)		ND(1)	ND	ND(1)			EPA 1613B		0.3 - 0.9	52 - 54
1,2,3,4,7,8-HexaCDF	pg/L		ND		ND	ND	ND			EPA 1613B		0.38 - 1.9	52 - 54
1,2,3,6,7,8-HexaCDD	pg/L		ND		ND(1)	ND	ND(1)			EPA 1613B		0.33 - 0.94	52 - 54
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.95(2)		ND(1)	ND	DNQ Est. Conc. 0.95(2)			EPA 1613B		0.4 - 2	52 - 54
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 1.9		ND	ND	DNQ Est. Conc. 1.9			EPA 1613B		0.29 - 0.83	52 - 54
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 2.0		ND(1)	ND	DNQ Est. Conc. 2.0			EPA 1613B		0.36 - 1.1	52 - 54
1,2,3,7,8-PentaCDD	pg/L		ND		ND	ND	ND			EPA 1613B		0.54 - 1.7	52 - 54
1,2,3,7,8-PentaCDF	pg/L		ND		ND(1)	ND	ND(1)			EPA 1613B		0.48 - 1.1	52 - 54
1,2,3-Trichloropropane	ug/L			ND	ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.005
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 625.1	5	0.51	1
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.15	0.5
1,2-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.22	0.5
1,2-Dichloropropane	ug/L	ND		ND	ND	ND	ND			EPA 624.1	1	0.14	0.5
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625.1	1	0.63	1
1,2-trans-Dichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	1	0.06	0.5
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.15	0.5
1,3-Dichloropropene	ug/L	ND		ND	ND	ND	ND			Calculated	2		
1,4-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.25	0.5
1,4-Dioxane	ug/L				0.78	0.89	1.0			SW846/8270MOD 1,4-Dioxane		0.26	0.4
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.2(2)		ND	ND	DNQ Est. Conc. 1.2(2)			EPA 1613B		0.32 - 1.2	52 - 54
2,3,4,7,8-PentaCDF	pg/L		ND		ND	ND	ND			EPA 1613B		0.47 - 1.5	52 - 54
2,3,7,8-TCDD	ug/L		DNQ Est. Conc. 0.000015(2)	ND	ND	ND	DNQ Est. Conc. 0.0000067	0.000000028	0.000000014	EPA 1613B		0.62 - 4.8	10 - 11
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 1.5		ND	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.31 - 0.72	10 - 11
2,4-D	ug/L	ND		ND	ND	ND	ND			SW-846 8151A		0.21 - 1.2	0.5 - 5
2,4,5-TP (Silvex)	mg/L	ND		ND	ND	ND	ND			SW-846 8151A		0.06 - 0.6	0.25 - 2.5
2,4,6-Trichlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625.1	10	0.64	1
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625.1	5	0.6	1
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625.1	2	0.44	1
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625.1	5	1.5	5
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1	5	0.37	1
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625.1	5	0.5	1
2-Chloroethyl vinyl ether	ug/L	ND		ND	ND	ND	ND			EPA 624.1	1	0.28	0.5
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625.1	10	0.41	1
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625.1	5	0.41	1
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625.1	5	1.3	5
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1	10	0.31	1
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625.1	5	0.54	1
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625.1	1	0.69	1
4,4-DDD	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.05	0.003 - 0.005	0.01
4,4-DDE	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.05	0.002 - 0.004	0.01
4,4-DDT	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.01	0.001 - 0.004	0.01
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1	5	0.58	1
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625.1	5	0.63	1
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625.1	10	1.6	5
Acenaphthene	ug/L				ND	ND	ND			EPA 625.1	1	0.5	1
Acenaphthylene	ug/L				ND	ND	ND			EPA 625.1	10	0.5	1
Acrolein	ug/L				ND	ND	ND			EPA 624.1		0.64	2
Acrylonitrile	ug/L				ND	ND	ND			EPA 624.1		0.64	2
Aldrin	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.005	0.002 - 0.003	0.005
alpha-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.01	0.001 - 0.003	0.01
alpha-Endosulfan	ug/L				ND	ND	ND			EPA 608.3	0.02	0.003 - 0.004	0.01
Ammonia nitrogen	mg/L	0.371	0.442	0.626	0.270	0.432	0.626	9.0(3)/11.6(4)/10.1(5)	3.4(3)/4.4(4)/3.9(5)	SM 4500 NH3 G		0.02 - 0.05	0.1 - 0.2
Anthracene	ug/L	ND	ND	ND	ND	ND	ND			EPA 625.1	10	0.016 - 0.56	0.02 - 1
Antimony	ug/L		DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.36	ND	DNQ Est. Conc. 0.44			EPA 200.8	0.5	0.07	0.5
Aroclor 1016	ug/L	ND			ND	ND	ND			EPA 608.3	0.5	0.02 - 0.1	0.1 - 0.5
Aroclor 1221	ug/L	ND			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.5
Aroclor 1232	ug/L	ND			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.3 - 0.5
Aroclor 1242	ug/L	ND			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.12	0.1 - 0.5
Aroclor 1248	ug/L	ND			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.1	0.1 - 0.5
Aroclor 1254	ug/L	ND			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.12	0.1 - 0.5
Aroclor 1260	ug/L	ND			ND	ND	ND			EPA 608.3	0.5	0.08 - 0.12	0.1 - 0.5
Arsenic	ug/L		DNQ Est. Conc. 0.90	DNQ Est. Conc. 0.84	DNQ Est. Conc. 0.80	ND	DNQ Est. Conc. 0.99			EPA 200.8	2	0.24	1
Barium	ug/L		26.6	31.2	16.2	35.9	71.9			EPA 200.8		0.24	0.5
Benzene	ug/L	ND			ND	ND	ND			EPA 624.1	2	0.09	0.5
Benzidine	ug/L		ND		ND	ND	ND			EPA 625.1	5	0.77	5
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625.1	5	0.46	1

Whittier Narrows 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	
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	0.29	0.28	0.28	0.22	0.29	0.25	0.27	0.28	0.26
Bromodichloromethane	ug/L		5.5		4.3		3.8		2.8	
Bromoform	ug/L		DNQ Est. Conc. 0.27		ND		ND		ND	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/L		ND		ND		ND		ND	
Chloride	mg/L	118	128	114	96.5	112	113	121	116	116
Chlorobenzene	ug/L		ND		ND		ND		ND	
Chloroethane	ug/L		ND		ND		ND		ND	
Chloroform	ug/L		5.6		10.6		8.8		7.2	
Chromium III	ug/L		0.88			0.83	0.95		0.72	
Chromium VI	ug/L		0.05			0.05	0.08		0.07	
Chromium, total (24-hr composite)	ug/L		0.98			0.74	1.06		0.68	
Chromium, total (Grab)	ug/L		0.88			0.88	1.03		0.80	
Chrysene	ug/L		ND						ND	
Copper	ug/L	3.92	2.99	3.35	3.48	2.95	2.70	2.79	3.74	2.98
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		1.9		1.1		0.88		DNQ Est. Conc. 0.48	
Dieldrin	ug/L		ND		ND		ND		ND	
Diethyl phthalate	ug/L		ND						ND	
Dimethyl phthalate	ug/L		ND						ND	
Dissolved oxygen	mg/L	6.0	6.4	6.0	6.9	5.2	6.7	6.3	5.9	6.3
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	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
Fluoranthene	ug/L		ND		ND		ND		ND	
Fluorene	ug/L		ND		ND		ND		ND	
Fluoride	mg/L	0.611	0.652	0.641	0.568	0.473	0.578	0.540	0.589	0.585
gamma-BHC	ug/L		ND		DNQ Est. Conc. 0.002		ND		ND	
Gross alpha radioactivity	pCi/L		-1.11				4.95		3.15	
Gross beta radioactivity	pCi/L		20.2				10.5		9.95	
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		ND	
Hexachlorocyclopentadiene	ug/L		ND				ND		ND	
Hexachloroethane	ug/L		ND				ND		ND	
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L		36.3				28.1		32.7	
Isophorone	ug/L		ND						ND	
Lead	ug/L	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.19
Mercury	ug/L	0.0012	0.0018	0.0016	0.0013	0.0014	0.0016	0.0014	0.0014	0.0014
Methoxychlor	ug/L		ND		ND		ND		ND	
Methyl bromide (bromomethane)	ug/L		ND		ND		ND		ND	
Methyl chloride (chloromethane)	ug/L		ND		ND		ND		ND	
Methyl tert-butyl ether	ug/L		ND		ND		ND		ND	
Methylene chloride	ug/L		ND		ND		ND		ND	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L	0.023	0.0063	ND	0.0075	0.0036	0.0052	0.0084	0.017	0.0095
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		21.0			4.25	2.00		1.82	
Nitrate + nitrite as nitrogen	mg/L	6.61	6.95	6.17	7.89	7.24	7.20	7.58	6.93	6.92
Nitrate nitrogen	mg/L	6.46	6.83	6.08	7.87	7.09	6.99	7.44	6.90	6.75
Nitrite nitrogen	mg/L	0.154	0.119	0.090	ND	0.154	0.208	0.139	ND	0.172

Whittier Narrows Water Reclamation Plant  
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Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Benzo(a)pyrene	ug/L			ND	ND	ND	ND			EPA 525.2	10	0.013 - 0.07	0.02 - 0.1
Benzo(b)fluoranthene	ug/L			ND	ND	ND	ND			EPA 610	10	0.015	0.02
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	ND			EPA 625.1	5	0.52	1
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.014	0.02
Beryllium	ug/L		ND	ND	ND	ND	ND			EPA 200.8	0.5	0.02	0.25
beta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.005	0.003	0.005
beta-Endosulfan	ug/L			ND	ND	ND	ND			EPA 608.3	0.01	0.003 - 0.004	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	ND			EPA 625.1	5	0.28	1
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	ND			EPA 625.1	1	0.27	1
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	ND			EPA 625.1	2	0.25	1
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND	ND			EPA 625.1	5	0.55	1
BOD	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.28	0.26	0.26	0.22	0.27	0.29		1.0(6)	EPA 200.8		0.017	0.02
Bromodichloromethane	ug/L	3.3		4.9	2.8	4.1	5.5			EPA 624.1	2	0.11	0.5
Bromoform	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.27			EPA 624.1	2	0.18	0.5
Butyl benzyl phthalate	ug/L			ND	ND	ND	ND			EPA 625.1	10	0.58	1
Cadmium	ug/L	ND	ND	ND	ND	ND	ND	3.5(7)	1.1(7)	EPA 200.8	0.25	0.066	0.2
Carbon tetrachloride	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.18	0.5
Chloride	mg/L	115	115	121	96.5	116	128		180	EPA 300.0		0.12 - 0.14	4 - 10
Chlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.1	0.5
Chloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.31	0.5
Chloroform	ug/L	8.0		10.8	5.6	8.5	10.8			EPA 624.1	2	0.08	0.5
Chromium III	ug/L	0.90	0.83	0.83	0.72	0.85	0.95			Calculated			
Chromium VI	ug/L	ND	0.07	0.07	ND	ND	0.08			EPA 218.6 (Dissolved)		0.01	0.05 - 1.0
Chromium, total (24-hr composite)	ug/L	0.80	1.4	1.4	0.68	0.85	1.40			EPA 200.8	0.5	0.1	0.5
Chromium, total (Grab)	ug/L	0.90	0.9	0.9	0.80	0.90	0.93			EPA 200.8	0.5	0.1	0.5
Chrysene	ug/L			ND	ND	ND	ND			EPA 610	10	0.014	0.02
Copper	ug/L	3.11	3.62	3.25	2.70	3.24	3.92	16.8(5)/21.7(6)	13(5)/16.8(6)	EPA 200.8	0.5	0.05	0.5
Cyanide, total	ug/L	ND	ND	ND	ND	ND	ND			SM 4500 CN E	5	1	5
delta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND	ND			EPA 625.1	10	0.59	1
Di-n-octyl phthalate	ug/L			ND	ND	ND	ND			EPA 625.1	10	0.69	1
Dibenz(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.014	0.02
Dibromochloromethane	ug/L	0.74		0.95	DNQ Est. Conc. 0.48	ND	1.9			EPA 624.1	2	0.11	0.5
Dieldrin	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.01	0.0009 - 0.003	0.01
Diethyl phthalate	ug/L			ND	ND	ND	ND			EPA 625.1	2	0.42	1
Dimethyl phthalate	ug/L			ND	ND	ND	ND			EPA 625.1	2	0.41	1
Dissolved oxygen	mg/L	6.7	6.8	7.2	5.2	6.4	7.2			HACH 10360 LDO			0.2
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quant-Trav			1
Endosulfan sulfate	ug/L			ND	ND	ND	ND			EPA 608.3	0.05	0.02 - 0.004	0.01 - 0.04
Endrin	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.01	0.001 - 0.004	0.01
Endrin aldehyde	ug/L			ND	ND	ND	ND			EPA 608.3	0.01	0.003 - 0.006	0.01
Ethylbenzene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.15	0.5
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D			1
Fluoranthene	ug/L	ND		ND	ND	ND	ND			EPA 625.1	1	0.69	1
Fluorene	ug/L	ND		ND	ND	ND	ND			EPA 625.1	10	0.58	1
Fluoride	mg/L	0.540	0.619	0.644	0.473	0.587	0.652			SM 4500 F C		0.016 - 0.049	0.1
gamma-BHC	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.002			EPA 608.3	0.02	0.002 - 0.003	0.01
Gross alpha radioactivity	pCi/L			0.768	-1.11	1.94	4.95		15	EPA 900.0		10.2 - 4.85	3
Gross beta radioactivity	pCi/L			8.40	8.40	12.3	20.2			EPA 900.0		1.35 - 3.31	4
Heptachlor	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.01	0.002 - 0.005	0.01
Heptachlor epoxide	ug/L	ND		ND	ND	ND	ND			EPA 608.3	0.01	0.003 - 0.005	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	ND			EPA 508.1		0.0009 - 0.47	0.05 - 1
Hexachlorobutadiene	ug/L			ND	ND	ND	ND			EPA 625.1	1	0.96	1
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	ND			EPA 508.1		0.0061 - 2.01	0.05 - 5
Hexachloroethane	ug/L			ND	ND	ND	ND			EPA 625.1	1	0.81	1
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.013	0.02
Iron	ug/L			27.0	27.0	31.0	36.3			EPA 200.8		3.2	20
Isophorone	ug/L			ND	ND	ND	ND			EPA 625.1	1	0.28	1
Lead	ug/L	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.10	ND	DNQ Est. Conc. 0.24	62(7)/166(8)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0016	0.0030	0.0029	0.0012	0.0018	0.0030	0.095(5)	0.051(5)	EPA 1631E		0.000047 -	0.0005 - 0.001
Methoxychlor	ug/L	ND		ND	ND	ND	ND			608.3/8081/8082		0.004 - 0.007	0.01
Methyl bromide (bromomethane)	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.3	0.5
Methyl chloride (chloromethane)	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.41	0.5
Methyl tert-butyl ether	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.08	0.5
Methylene chloride	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.46	0.5
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	ND			EPA 1625B (Modified)		0.0006 - 0.36	0.0020 - 10
n-Nitrosodimethylamine (NDMA)	ug/L	0.0043	0.0056	0.0050	ND	ND	0.023			EPA 1625B (Modified)		0.0005	0.0020 - 0.010
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	ND			EPA 1625B (Modified)		0.0013 - 0.64	0.010 - 1.0
Naphthalene	ug/L			ND	ND	ND	ND			EPA 625.1	1	0.2	1
Nickel	ug/L		5.20	14.5	1.82	8.13	21.0			EPA 200.8	1	0.07	1
Nitrate + nitrite as nitrogen	mg/L	7.87	7.28	6.23	6.17	7.07	7.89		8	Calculated			
Nitrate nitrogen	mg/L	7.79	7.15	6.02	6.02	6.95	7.87		8	SM 4500 NO3 F		0.03 - 0.093	0.2
Nitrite nitrogen	mg/L	0.081	0.131	0.214	ND	ND	0.214		1.0	SM 4500 NO3 F		0.003 - 0.012	0.03

Whittier Narrows Water Reclamation Plant  
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Parameter	Units	January	February	March	April	May	June	July	August	September
Nitrobenzene	ug/L		ND						ND	
OctaCDD	pg/L		ND(1)			ND(1)			ND	
OctaCDF	pg/L		ND			ND(1)			ND	
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	DNQ Est. Conc. 3.1	DNQ Est. Conc. 1.5
Organic nitrogen	mg/L	1.38	0.865	0.759	1.00	0.761	ND	ND	ND	0.392
PCB-101 (Co: 90/101/113)	pg/L								DNQ Est. Conc. 13	
PCB-105	pg/L								ND	
PCB-114	pg/L								ND	
PCB-118	pg/L								DNQ Est. Conc. 6.6	
PCB-123	pg/L								ND	
PCB-126	pg/L								ND	
PCB-138 (Co: 129/138/163)	pg/L								DNQ Est. Conc. 9.4	
PCB-158	pg/L								ND	
PCB-167	pg/L								ND	
PCB-169	pg/L								ND	
PCB-170	pg/L								ND	
PCB-177	pg/L								ND	
PCB-183	pg/L								ND	
PCB-187	pg/L								ND	
PCB-189	pg/L								ND	
PCB-194	pg/L								ND	
PCB-201	pg/L								ND	
PCB-206	pg/L								ND	
PCB-37	pg/L								ND	
PCB-52	pg/L								DNQ Est. Conc. 15	
PCB-66	pg/L								DNQ Est. Conc. 2.3	
PCB-77	pg/L								DNQ Est. Conc. 6.1	
PCB-81	pg/L								ND	
PCB-99	pg/L								ND	
PCB-110/115	pg/L								DNQ Est. Conc. 9.8	
PCB-128/166	pg/L								ND	
PCB-135/151	pg/L								DNQ Est. Conc. 5.1	
PCB-147/149	pg/L								DNQ Est. Conc. 11	
PCB-153/168	pg/L								DNQ Est. Conc. 6.9	
PCB-156/157	pg/L								ND	
PCB-18/30	pg/L								DNQ Est. Conc. 10	
PCB-180/193	pg/L								DNQ Est. Conc. 4.6	
PCB-20/28	pg/L								DNQ Est. Conc. 9.4	
PCB-44/47/65	pg/L								ND(1)	
PCB-49/69	pg/L								DNQ Est. Conc. 3.3	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 16	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 10	
Pentachlorophenol	ug/L		ND		ND		ND		ND	
Perchlorate	ug/L	0.13		0.22	0.13	0.18	0.26	0.3	0.49	0.47
pH	SU	7.3	7.4	7.3	7.3	7.4	7.4	7.4	7.4	7.4
Phenanthrene	ug/L		ND		ND		ND		ND	
Phenol	ug/L		ND		DNQ Est. Conc. 0.41		ND		DNQ Est. Conc. 0.44	
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/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		0.16				0.26		0.057	
Selenium	ug/L		DNQ Est. Conc. 0.44			DNQ Est. Conc. 0.54	DNQ Est. Conc. 0.52		DNQ Est. Conc. 0.26	
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND			ND			ND	
Strontium-90	pCi/L		-0.0696				0.496		-0.0181	
Sulfate	mg/L	105	105	113	104	139	119	138	136	123
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.06
Technical chlordanes	ug/L		ND				ND		ND	
Temperature	Degrees F	72.1	73.1	73.5	74.3	78.7	81.0	82.9	84.9	84.2
Tetrachloroethylene	ug/L		ND		ND		ND		ND	
Thallium	ug/L		ND			ND	ND		ND	
Toluene	ug/L		ND		ND		ND		ND	
Total chlorinated hydrocarbons (TCH)	ug/L		ND			ND			ND	
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	560	584	628	544	624	640	640	643	620
Total hardness	mg/L	224	202	218	219	229	224	226	245	225
Total nitrogen	mg/L	8.45	8.23	7.29	9.16	8.46	7.29	7.66	7.28	7.85
Total phosphorus	mg/L	0.125	0.113	0.159	0.262	0.098	0.100	0.112	0.141	0.140
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	

Whittier Narrows Water Reclamation Plant  
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Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Nitrobenzene	ug/L				ND	ND	ND			EPA 625.1	1	0.31	1
OctaCDD	pg/L		ND(1)		ND	ND	ND			EPA 1613B		0.56 - 1.1	100 - 110
OctaCDF	pg/L		ND(1)		ND	ND	ND			EPA 1613B		0.48 - 1.5	100 - 110
Oil and grease	mg/L	ND		ND	ND	ND	DNQ Est. Conc. 3.1	15	10	EPA 1664A		1.4	4.2 - 5.4
Organic nitrogen	mg/L	0.315	ND	0.434	ND	ND	1.38			Calculated			
PCB-101 (Co: 90/101/113)	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668C		2.1	630
PCB-105	pg/L				ND	ND	ND			EPA 1668C		1.8	21
PCB-114	pg/L				ND	ND	ND			EPA 1668C		2	21
PCB-118	pg/L				DNQ Est. Conc. 6.6	ND	DNQ Est. Conc. 6.6			EPA 1668C		1.8	21
PCB-123	pg/L				ND	ND	ND			EPA 1668C		2.1	21
PCB-126	pg/L				ND	ND	ND			EPA 1668C		2.2	21
PCB-138 (Co: 129/138/163)	pg/L				DNQ Est. Conc. 9.4	ND	DNQ Est. Conc. 9.4			EPA 1668C		1.2	630
PCB-158	pg/L				ND	ND	ND			EPA 1668C		0.86	210
PCB-167	pg/L				ND	ND	ND			EPA 1668C		1.1	21
PCB-169	pg/L				ND	ND	ND			EPA 1668C		1.1	21
PCB-170	pg/L				ND	ND	ND			EPA 1668C		2.1	210
PCB-177	pg/L				ND	ND	ND			EPA 1668C		1.9	210
PCB-183	pg/L				ND	ND	ND			EPA 1668C		1.6	210
PCB-187	pg/L				ND	ND	ND			EPA 1668C		1.1	210
PCB-189	pg/L				ND	ND	ND			EPA 1668C		1.7	21
PCB-194	pg/L				ND	ND	ND			EPA 1668C		2.1	210
PCB-201	pg/L				ND	ND	ND			EPA 1668C		1.1	210
PCB-206	pg/L				ND	ND	ND			EPA 1668C		1.8	210
PCB-37	pg/L				ND	ND	ND			EPA 1668C		4.8	210
PCB-52	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15			EPA 1668C		2.6	210
PCB-66	pg/L				DNQ Est. Conc. 2.3	ND	DNQ Est. Conc. 2.3			EPA 1668C		2.1	210
PCB-77	pg/L				DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 6.1			EPA 1668C		3	21
PCB-81	pg/L				ND	ND	ND			EPA 1668C		3.1	21
PCB-99	pg/L				ND	ND	ND			EPA 1668C		2	210
PCB-110/115	pg/L				DNQ Est. Conc. 9.8	ND	DNQ Est. Conc. 9.8			EPA 1668C		1.7	420
PCB-128/166	pg/L				ND	ND	ND			EPA 1668C		1.1	420
PCB-135/151	pg/L				DNQ Est. Conc. 5.1	ND	DNQ Est. Conc. 5.1			EPA 1668C		1.2	420
PCB-147/149	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668C		1.1	420
PCB-153/168	pg/L				DNQ Est. Conc. 6.9	ND	DNQ Est. Conc. 6.9			EPA 1668C		0.95	420
PCB-156/157	pg/L				ND	ND	ND			EPA 1668C		1.4	42
PCB-18/30	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668C		4	420
PCB-180/193	pg/L				DNQ Est. Conc. 4.6	ND	DNQ Est. Conc. 4.6			EPA 1668C		1.6	420
PCB-20/28	pg/L				DNQ Est. Conc. 9.4	ND	DNQ Est. Conc. 9.4			EPA 1668C		4.4	420
PCB-44/47/65	pg/L				ND(1)	ND(1)	ND(1)			EPA 1668C		2.6	630
PCB-49/69	pg/L				DNQ Est. Conc. 3.3	ND	DNQ Est. Conc. 3.3			EPA 1668C		2.3	420
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16			EPA 1668C		2.2	840
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668C		2	1300
Pentachlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625.1	5	0.82	1
Perchlorate	ug/L	0.49	0.58	0.47	0.13	0.3	0.58			EPA 331.0		0.0201	0.05
pH	SU	7.4	7.4	7.3	7.3	7.4	7.4			SM 4500 H+ B			
Phenanthrene	ug/L	ND	ND	ND	ND	ND	ND			EPA 625.1	5	0.59	1
Phenol	ug/L	DNQ Est. Conc. 0.38		ND	ND	ND	DNQ Est. Conc. 0.44			EPA 625.1	1	0.24	1
Polychlorinated Biphenyls (PCBs), Sum as Aroclors	ug/L	ND		ND	ND	ND	ND			Calculated			
Polychlorinated Biphenyls (PCBs), Sum as Congeners	ug/L				ND	ND	ND			Calculated			
Pyrene	ug/L				ND	ND	ND			EPA 625.1	10	0.6	1
Radium-226 + radium-228	pCi/L			0.234	0.057	0.16	0.26			Drinking H2O Radium Sum			
Selenium	ug/L		DNQ Est. Conc. 0.52	DNQ Est. Conc. 0.53	DNQ Est. Conc. 0.26	ND	DNQ Est. Conc. 0.54			EPA 200.8	2	0.02	1
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	ND			EPA 200.8	0.25	0.02	0.2
Strontium-90	pCi/L			0.0531	-0.0696	0.115	0.496		8	EPA 905.0		0.263 - 0.803	3
Sulfate	mg/L	129	113	115	104	120	139		300	EPA 300.0		0.11 - 0.14	1 - 2.5
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540D		0.06 - 0.1	0.1
Surfactant (MBAS)	mg/L	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.08	ND	ND	DNQ Est. Conc. 0.08		0.5	SM 5540C		0.017 - 0.03	0.1
Technical chloridane	ug/L				ND	ND	ND			EPA 608.3	0.1	0.02 - 0.04	0.05
Temperature	Degrees F	82.6	77.8	73.5	72.1	78.3	84.9	86(9)	86(9)	EPA 170.1 (oF)			
Tetrachloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.18	0.5
Thallium	ug/L		ND	ND	ND	ND	ND			EPA 200.8	1	0.01	0.25
Toluene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.15	0.5
Total chlorinated hydrocarbons (TICH)	ug/L		ND		ND	ND	ND			Calculated			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(10)	(10)	SM 9222B			1
Total dissolved solids	mg/L	688	600	530	530	608	688		750	SM 2540C		2.7	45.5 - 125
Total hardness	mg/L	215	223	223	202	223	245			Calculated			
Total nitrogen	mg/L	8.56	7.69	7.29	7.28	7.93	9.16			Total Nitrogen Calculation			
Total phosphorus	mg/L	0.159	0.130	0.113	0.098	0.14	0.262			EPA 365.1		0.026 - 0.014	0.03
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.01 - 0.03	0.1
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	ND	ND			EPA 608.3	0.5	0.05 - 0.3	0.5
Toxic equivalance	ug/L		ND		ND	ND	ND			Calculated			
Trichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.15	0.5

Whittier Narrows Water Reclamation Plant  
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Parameter	Units	January	February	March	April	May	June	July	August	September
Tritium	pCi/L		-340				64.4		57.2	
Turbidity (flow proportioned avg daily value)	NTU	ND	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.3	DNQ Est. Conc. 0.3	DNQ Est. Conc. 0.30
Uranium	pCi/L		1.55				1.38		1.79	
Vinyl chloride	ug/L		ND		ND		ND		ND	
Zinc	ug/L	72.1	52.2	55.7	44.0	47.0	50.3	56.2	55.9	46.4

Whittier Narrows Water Reclamation Plant  
2020 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Minimum	Average	Maximum	Limit		Method	ML	MDL	RL
								Max Daily	Monthly Average				
Tritium	pCi/L			80.6	-340	-34.4	80.6		20000	EPA 906.0		317 - 389	500
Turbidity (flow proportioned avg daily value)	NTU	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.3	DNQ Est. Conc. 0.35	ND	ND	DNQ Est. Conc. 0.35	2	2	SM 2130B		0.057 - 0.12	0.5
Uranium	pCi/L			1.37	1.38	1.57	1.79		20	EPA 908.0		0.0974 - 0.233	1
Vinyl chloride	ug/L	ND		ND	ND	ND	ND			EPA 624.1	2	0.25	0.5
Zinc	ug/L	59.9	51.0	53.4	44.0	53.7	72.1	159(7)	114(7)	EPA 200.8	1	0.7	1

- (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) Ammonia effluent limits for Discharge Point 001 (San Gabriel River) from April 1 to September 30.
- (4) Ammonia effluent limits for Discharge Point 001 (San Gabriel River) from October 1 to March 31.
- (5) Effluent limits for Discharge Points 002, 003, and 004 (Rio Hondo).
- (6) Effluent limits for Discharge Point 001 (San Gabriel River).
- (7) Wet weather effluent limits for Discharge Points 002, 003, and 004.
- (8) Wet weather effluent limits for Discharge Point 001.
- (9) The temperature of wastes discharged shall not exceed 86F except as a result of external ambient temperature.
- (10) 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.