

**Wastewater Pretreatment Program Annual Report
January 1, 2019 – December 31, 2019**



March 2020
Prepared By
City of Tacoma
Environmental Services
Business Operations Division

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WASTEWATER PRETREATMENT PROGRAM 2019 ANNUAL REPORT

NPDES Permit Holder City of Tacoma

Report Date: March 15, 2020

Period covered by this report: January 1, 2019 to December 31, 2019

<u>Treatment Plant</u>	<u>NPDES Permit Number</u>
City of Tacoma (Central) Treatment Plant #1	WA0037087
North End Wastewater Plant #3	WA0037214

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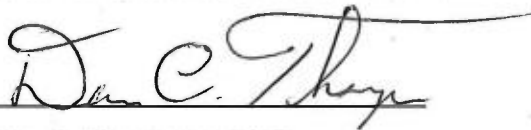
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I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.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



Dan C. Thompson, Ph.D.
Business Operations Division Manager
Environmental Services

3-6-2020

Date

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1.0 INTRODUCTION

In 2019, Environmental Services (ES), Business Operations Division, Environmental Compliance (EC) administered the City of Tacoma's (City) Wastewater Pretreatment Program as mandated by federal and state laws, and approved by the Washington State Department of Ecology (WDOE or Ecology). Environmental Services, Business Operations Division Manager Dan C. Thompson, Ph.D. has signatory authority for this program. The City's official Pretreatment Program was implemented following program approval by the Environmental Protection Agency (EPA) on November 30, 1984.

The City's Wastewater Pretreatment Program regulates wastewater discharges from commercial and industrial facilities discharging to the City's treatment system. The goals and objectives of this program are to protect the public's health and safety and the surrounding environment by ensuring the wastewater treatment plants are functioning to eliminate untreated wastewater discharges. The City also looks for opportunities to recycle and reclaim municipal industrial wastewater and biosolids. Limitations and requirements are placed on both routine and accidental discharges to ensure the goals and objectives of the program continue to be met.

This Wastewater Pretreatment Program 2019 Annual Report is reported as required by Section S6.A.5 of the National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permits issued June 4, 2009, (Ecology 2009) and October 6, 2010, (Ecology 2010) and summarizes the program efforts toward meeting these goals during 2019. Additionally, this document describes program activities, program modifications, compliance and enforcement activities, program effectiveness, and future direction and goals.

During 2019, there were no NPDES permit violations for exceeding effluent discharges at the City of Tacoma Treatment Plant #1 (Central Wastewater Treatment Plant). At Treatment Plant #3 (North End Wastewater Treatment Plant) there were three instances of non-compliance (five day BOD, TSS, and maximum daily flow) due to a severe weather event on December 20, 2019 (see appendix E, December 2019 Ecology Letter). Biosolid metal concentrations continued to meet the strictest standards set forth by the Environmental Protection Agency (EPA) for "exceptional quality" (EPA 1994).

Long-term trends for the majority of the priority pollutant concentrations have remained consistent over the past 10 years. This can be attributed to the success and longevity of the Wastewater Pretreatment Program. While the significant reduction of pollutants that occurred in the beginning of the pretreatment program are not observed in the trends discussed in this report, the stability of results show the continued success of ensuring industrial discharges meet the high standards set forth by this program.

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2.0 WASTEWATER TREATMENT PLANT OPERATIONS

The City maintains and operates two award-winning wastewater treatment plants [Central Wastewater Treatment Plant (CTP) and North End Wastewater Treatment Plant (NETP)], and has approximately 700 miles of wastewater sewer mains, and 45 pump stations. Each treatment plant is regulated under separate NPDES permits, with regulations for the Wastewater Pretreatment Program under both. In addition to treating wastewater within Tacoma, the treatment plants receive wastewater from the neighboring jurisdictions of Fife, Fircrest, portions of Pierce County, and the Town of Ruston. The City has inter-local agreements with each of these jurisdictions, which delineate the responsibilities and authorities of each party. These inter-local agreements are currently being updated along with the City's legal authority. The City has a goal to have the new legal authority language adopted into code and the updated inter-local agreements finalized and approved during 2019.

2.1 CENTRAL WASTEWATER TREATMENT PLANT (CTP)

The CTP is located on the Tideflats along the Puyallup River and discharges treated effluent to the Puget Sound. This wastewater treatment plant receives wastewater from the inter-local agreement areas of Fife, Fircrest, portions of Pierce County, and the majority of Tacoma.

During 2019, the maximum daily influent flow rate was 103.6 MGD on December 20, 2019, and the average daily influent flow rate was 19.5 MGD. Based on the average flow during 2019, approximately five percent of the annual wastewater discharge received at CTP was from industrial sources. The remaining wastewater discharge received was from commercial and domestic sources.

The average digester flow at the CTP for 2019 was 211,982 gallons/day and the average dry sludge production rate for 2019 was 12.6 tons/day.

2.2 NORTH END WASTEWATER TREATMENT PLANT (NETP)

The NETP receives wastewater from the areas of north Tacoma and the Town of Ruston. The character of wastewater received at NETP is domestic and commercial in nature.

During 2019, the maximum daily influent flow rate was 25.5 MGD on December 20th, and the average daily flow rate was 4.1 MGD.

2.3 WASTEWATER TREATMENT PLANT INTERFERENCE OR PROBLEMS

During the period from January 1, 2019, through December 31, 2019, there were no incidents of interference, upsets, or permit violations that were directly attributable to wastewater discharges from industrial sources.

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3.0 WASTEWATER TREATMENT PLANT OPERATIONS

This section includes the results and discussion of wastewater treatment plant monitoring efforts for influent, effluent, and biosolids during 2019 for toxic and non-conventional pollutants in support of this program. All samples were collected and analyzed in accordance with the methods prescribed in 40 CFR (EPA Code of Federal Regulations) § 136.

For each monitored pollutant, removal efficiencies were calculated using the mean removal efficiency (MRE) method recommended in the EPA Local Limits Development Guidance Document (EPA, 2004-A). This method was recommended for analyzing non-paired samples and the results are presented in Section 3.2.1. Additionally, long-term trends for each pollutant are presented in Section 3.2.3 and the local limits evaluation is discussed in Section 4.0.

The inclusion of this information in this report is intended to meet the reporting requirement in Section S6.A.5.b of NPDES Permit No. WA0037087 and Section S6.A.4.b of NPDES Permit No. WA0037214.

3.1 WASTEWATER TREATMENT PLANT SAMPLING RESULTS

3.1.1 CTP Influent and Effluent Results

The results of the 2019 influent and effluent sampling events at CTP for priority pollutants listed in 40 CFR (EPA, Code of Federal Regulations) Part 122, Appendix D, Table II and Table III are presented in the following tables:

- Table 3-1: CTP Metal Evaluation;
- Table 3-2: CTP Cyanide, HEM and Total Phenols Summary; and
- Table 3-3: Organic Toxic Pollutants.

Provided in the noted tables above, are the summary statistics for the 2019 reporting year for each sampled pollutant of concern (POC) identified during the Local Limits Evaluation. In addition to providing pollutant concentration, the influent flow rate on the day of sampling was used to provide monthly and annual loading for each POC.

3.1.2 NETP Influent and Effluent Results

The results of the 2019 influent and effluent sampling events at NETP for priority pollutants listed in 40 CFR Part 122, Appendix D, Table II and Table III are presented in the following tables:

- Table 3-3 Organic Toxic Pollutants;
- Table 3-4 NETP Metal Evaluation; and
- Table 3-5 NETP Cyanide, HEM, and Total Phenols Summary

The summary statistics for the 2019 reporting year are provided for each sampled POC identified during the Local Limits Evaluation. In addition to providing pollutant concentration, the influent flow rate on the day of sampling was used to provide monthly and annual influent loading for each POC.

3.1.3 Biosolids Sampling Results

The results of the 2019 biosolids sampling events at CTP are presented in Table 3-3 and Table 3-6. Summary statistics are provided in Table 3-6 for metals, cyanide, and total phenols analysis for the 2019 reporting year. During the 2019 monitoring year, biosolids metal concentrations continued to meet the strictest standards set forth by EPA for “exceptional quality” (Table 3-6).

3.2 EVALUATION OF CTP SAMPLING RESULTS

3.2.1 Removal Efficiencies

The removal rates or removal efficiencies for all detected POCs monitored at CTP are presented in Table 3-1, Table 3-2, and Figure 3-1. These rates are presented in both pollutant concentration and pollutant loading for comparison (Table 3-1 and Table 3-2). For nine of fourteen POCs the removal efficiencies were greater than 50 percent, meaning more than 50 percent of the pollutant was removed from the wastewater during the treatment process. Beryllium was not detected in any of the influent and effluent samples and a removal rate was not calculated. In addition, silver and cadmium were not detected in the effluent samples and the method detection limit was used to calculate the average effluent concentration. As such, the removal efficiencies for these POCs may be greater than reported.

All of the listed POC removal rates were within the standard ranges of pollutant removal through the activated sludge treatment process as shown in Figure 3-2. There is no standard removal efficiency data presented for antimony or molybdenum (EPA, 2004-B).

3.2.2 2019 Trends

The POCs sampled during 2019 exhibited average or typical ranges for influent, effluent, and biosolid concentrations.

3.2.3 Long Term Trends

Long term influent, effluent, and biosolids concentration trends from 2010-2019 for POCs are presented in Appendix A. Most of the influent concentrations exhibited a downward trend or remained fairly stable over that time period with the exception of arsenic (Figure A-2) and chromium (Figure A-5). There are no long-term influent and effluent trends presented for beryllium, as this POC is not detected in these samples. The following is a summary and discussion of the long-term influent trends at CTP.

- Chromium – While influent concentrations for chromium exhibited a slight upward trend over the past ten years, most of the data points are still within normal or average ranges observed over that time period. The exception to this are two peaks in concentration observed during 2016 and 2017. The sample collected on July 6, 2016, exhibited a chromium concentration of 14.3 µg/L, while the average concentration over the last ten years was 3.9 µg/L. The sample collected on October 5, 2017 exhibited a concentration of 9.72 µg/L, which is also slightly higher than average concentrations. During 2019, chromium concentrations remained at or below average concentrations. During the same time period, chromium concentrations in the biosolids samples have shown a significant decrease.

- Arsenic – While influent concentrations for arsenic exhibited a slight upward trend over the past ten years, the concentrations are still within normal ranges observed over that time period. Additionally, concentrations have remained stable over the past five years. (Appendix A)

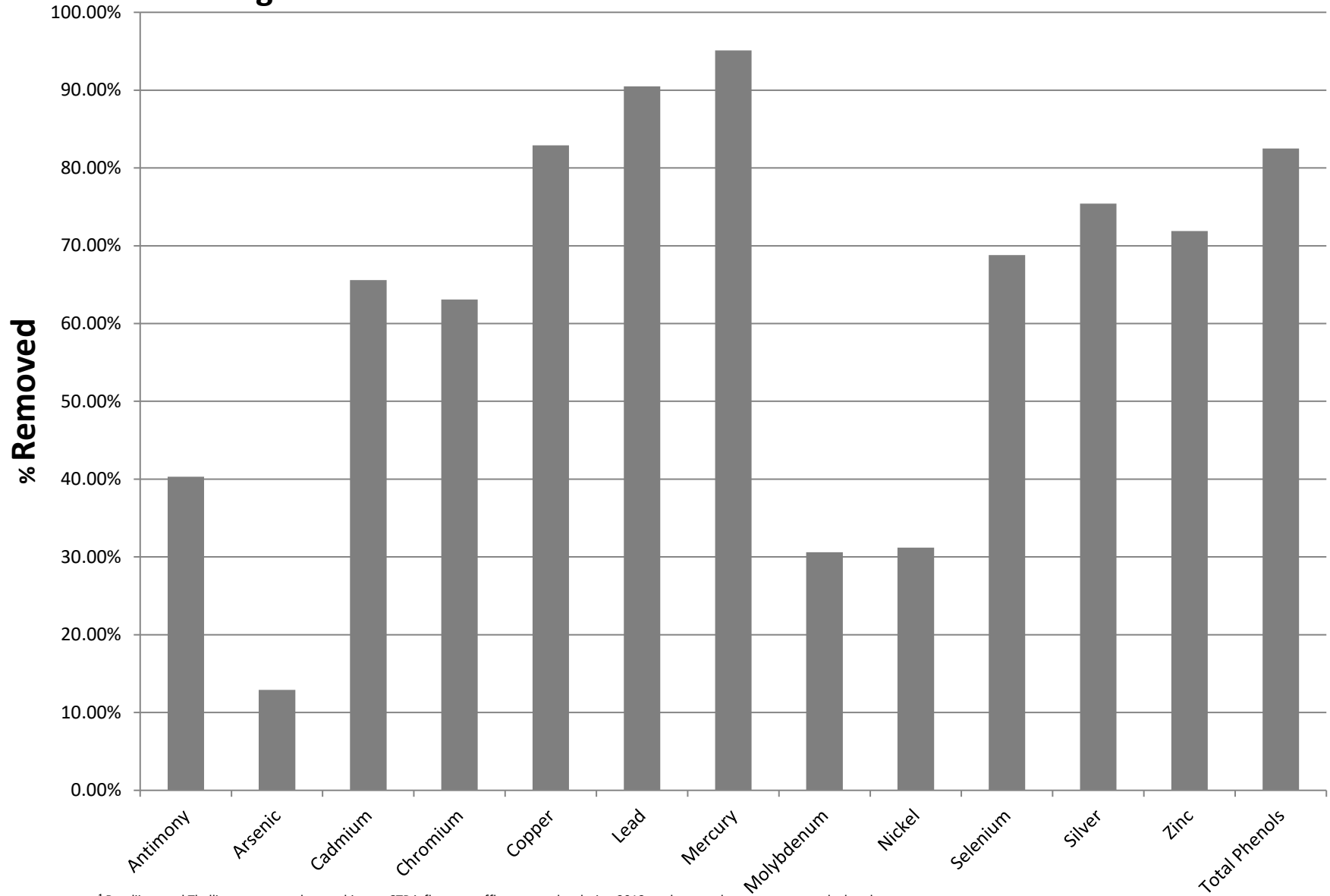
While long-term trends for biosolids concentrations vary greatly for each POC, all pollutants exhibit downward or stable trends over the last ten years.

3.2.4 Summary

The majority of the pollutant concentrations have remained consistent during the timeframe in which the biosolid sampling data was collected. This can be attributed to the success and longevity of the City's Wastewater Pretreatment Program.

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Figure 3-1
Average Removal Rates for CTP Monitored Pollutants of Concern



¹ Beryllium and Thallium were not detected in any CTP influent or effluent samples during 2018 and removal rates were not calculated.

Figure 3-2
CTP 2019 Removal Rates and the range of standard Removal Rates
presented by EPA

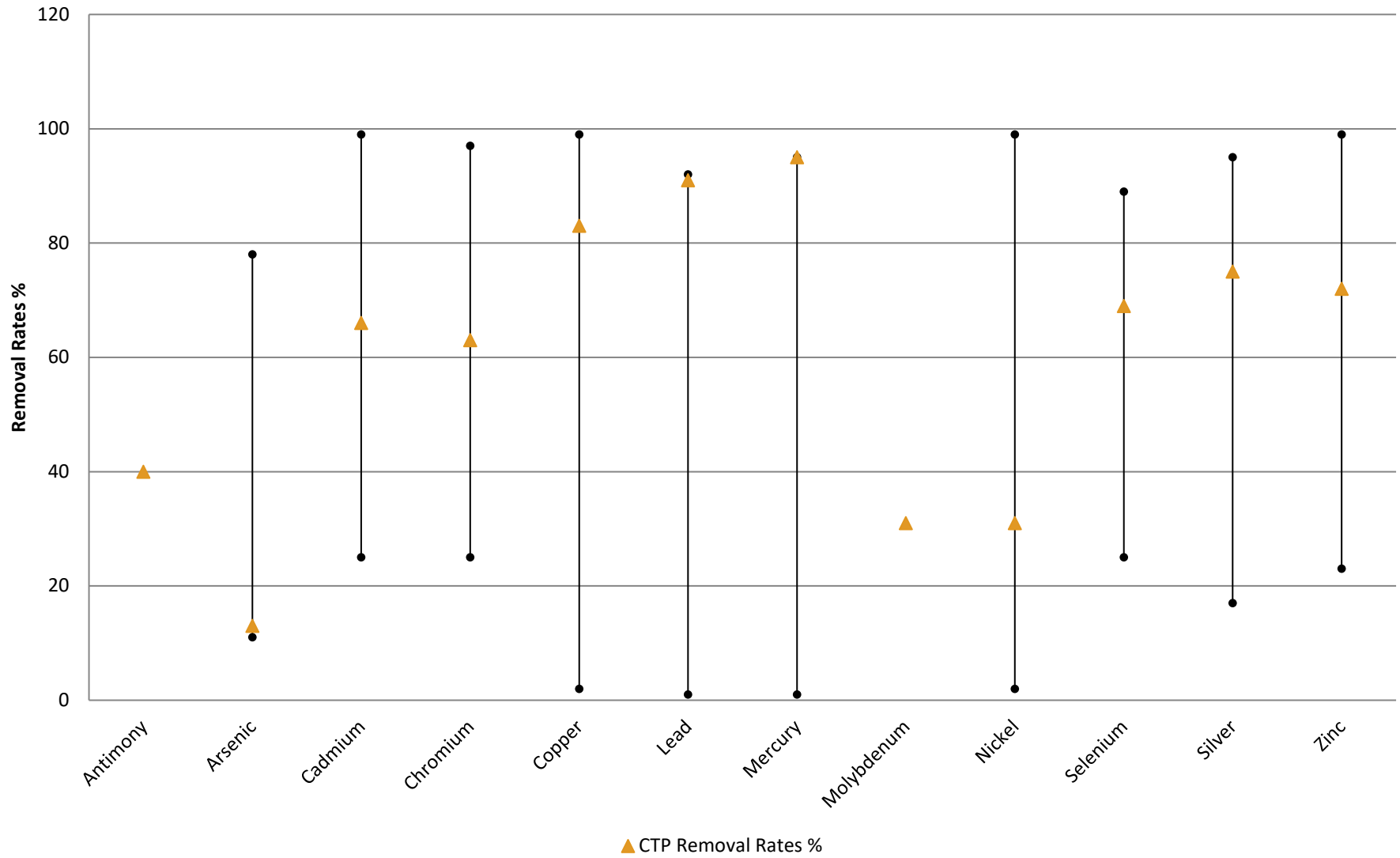


Table 3-1
Central Wastewater Treatment Plant Metal Evaluation

Parameter	Unit	CTP - Removal Efficiencies			CTP - Influent Metal Analysis							CTP - Effluent Metal Analysis						
		Influent	Effluent	% Removal	Maximum	Minimum	Average	Sample Date				Maximum	Minimum	Average	Sample Date			
								1/2/19	4/16/19	7/18/19	10/9/19				1/2/19	4/16/19	7/18/19	10/9/19
Average Flow ¹	mgd				103.6	12.4	19.5	23.1	19.6	28.7	14.2	112.6	13.9	19.1	23.5	19.1	16.4	15.7
Antimony	µg/L	1.39	0.83	40.5%	1.96	0.98	1.39	0.978	1.96 UJ	1.45	1.19	1.15	0.66	0.83	0.661	1.15 UJ	0.826	0.681
	lbs/day	0.25	0.13	48.4%	0.35	0.14	0.25	0.188	0.320	0.347	0.141	0.18	0.09	0.13	0.1294	0.1833	0.1128	0.0891
Arsenic	µg/L	2.03	1.77	12.9%	2.18	1.81	2.03	2.18	1.96	2.17	1.81	1.89	1.65	1.77	1.89	1.74	1.79	1.65
	lbs/day	0.37	0.28	24.8%	0.52	0.21	0.37	0.420	0.320	0.519	0.215	0.37	0.22	0.28	0.370	0.277	0.245	0.216
Beryllium	µg/L	0.00	0.00	U	0.00	0.00	0.00	0.052 U	0.052 U	0.052 U	0.052 U	0.00	0.00	0.00	0.052 U	0.052 U	0.052 U	0.052 U
	lbs/day	0.00	0.00	U	0.00	0.00	0.00	0.010	0.008	0.012	0.006	0.00	0.00	0.00	0.010	0.008	0.007	0.007
Cadmium	µg/L	0.17	0.06	65.6%	0.20	0.14	0.17	0.135 J	0.195 J	0.199 J	0.168 J	0.06	0.06	0.06	0.060 U	0.06 U	0.060 U	0.060 U
	lbs/day	0.03	0.01	70.2%	0.05	0.02	0.03	0.026	0.032	0.048	0.020	0.01	0.01	0.01	0.012	0.010	0.008	0.008
Chromium	µg/L	4.34	1.60	63.1%	4.99	3.15	4.34	4.55	3.15	4.67	4.99	2.35	1.15	1.60	1.25	1.15 U	2.35	1.66
	lbs/day	0.78	0.24	68.8%	1.12	0.51	0.78	0.876	0.515	1.117	0.593	0.32	0.18	0.24	0.245	0.183	0.321	0.217
Copper	µg/L	29.18	5.00	82.9%	35.0	25.9	29.18	25.9	27.4	35.0	28.4	6.49	4.40	5.00	4.4	4.68	6.49	4.44
	lbs/day	5.30	0.77	85.5%	8.37	3.37	5.30	4.985	4.477	8.375	3.373	0.89	0.58	0.77	0.862	0.746	0.887	0.581
Lead	µg/L	3.59	0.34	90.5%	5.38	2.24	3.59	2.24	2.74	4.01	5.38	0.43	0.28	0.34	0.281 J	0.334 J	0.428 J	0.317 J
	lbs/day	0.62	0.05	91.6%	0.96	0.43	0.62	0.431	0.448	0.959	0.639	0.06	0.04	0.05	0.055	0.053	0.058	0.041
Mercury	µg/L	0.05	0.00	95.1%	0.05	0.04	0.05	0.05	0.05	0.05	0.0355	0.00	0.00	0.00	0.002 J	0.0023 J	0.0023 J	0.0024 J
	lbs/day	0.01	0.00	95.8%	0.011	0.00	0.01	0.010	0.008	0.011	0.004	0.00	0.00	0.00	0.000	0.000	0.000	0.000
Molybdenum	µg/L	4.54	3.15	30.6%	9.2	2.32	4.54	2.38	4.32	2.32	9.15	7.25	1.44	3.15	1.47	2.45	1.44	7.25
	lbs/day	0.70	0.46	35.0%	1.09	0.46	0.70	0.458	0.706	0.555	1.087	0.95	0.20	0.46	0.288	0.390	0.197	0.949
Nickel	µg/L	3.97	2.73	31.2%	4.56	3.63	3.97	4.05	3.63	4.56	3.64	3.13	2.49	2.73	2.64	2.49	3.13	2.66
	lbs/day	0.72	0.42	41.7%	1.09	0.43	0.72	0.780	0.593	1.091	0.432	0.52	0.35	0.42	0.517	0.397	0.428	0.348
Selenium	µg/L	0.65	0.20	68.8%	0.81	0.56	0.65	0.559	0.566	0.811	0.656	0.27	0.17	0.20	0.165 J	0.175 J	0.274 J	0.195 J
	lbs/day	0.12	0.03	73.9%	0.19	0.08	0.12	0.108	0.092	0.194	0.078	0.04	0.03	0.03	0.032	0.028	0.037	0.026
Silver	µg/L	0.32	0.08	75.4%	0.63	0.16	0.32	0.155 J	0.233 J	0.630	0.268 J	0.08	0.08	0.08	0.079 U	0.079 U	0.079 U	0.079 U
	lbs/day	0.06	0.01	80.4%	0.15	0.03	0.06	0.030	0.038	0.151	0.032	0.02	0.01	0.01	0.015 U	0.013	0.011	0.010
Thallium	µg/L	0.76	0.00	U	2.65	0.13	0.76	2.650	0.125 U	0.125 U	0.125 U	0.94	0.00	0.13	0.944	0.125 U	0.125 U	0.125 U
	lbs/day	0.14	0.00	U	0.51	0.01	0.14	0.510	0.020	0.030	0.015	0.00	0.00	0.00	0.185	0.020	0.017	0.016
Zinc	µg/L	113.78	32.00	71.9%	142.0	85.1	113.8	85.1	98.0	142.0	130.0	34.00	29.60	32.00	30.7	33.7	34	29.6
	lbs/day	20.45	4.98	75.7%	33.98	15.44	20.45	16.381	16.011	33.977	15.439	6.01	3.87	4.98	6.012	5.371	4.645	3.873

J - The result is considered estimated

U - The result is considered not detected (non-detect).

UJ - The analyte is considered not detected and considered estimated.

Bold - The analyte was present in the sample.

¹Maximum, minimum, and average flows were calculated based on flows measured continuously throughout the year

Table 3-2
Central Wastewater Treatment Plant Cyanide, HEM and Total Phenols Summary

Parameter	Unit	Average Concentration			CTP - Influent Cyanide, HEM, and Total Phenols Analysis							CTP - Effluent Cyanide, HEM, and Total Phenols Analysis						
		Influent	Effluent	% Removal	Maximum	Minimum	Average	Sample Date				Maximum	Minimum	Average	Sample Date			
								1/2/19	4/16/19	7/17/19	10/8/19				1/2/19	4/16/19	7/17/19	10/8/19
Average Flow ¹	mgd				58.6	14.3	21.0	23.1	19.6	14.9	14.0	60.7	14.4	21.2	23.5	19.1	16.0	14.7
Total Cyanide	mg/L	0.005	0.008		0.005	0.005	0.005	0.005 U	0.005 U	0.005 U	0.005 U	0.023	0.000	0.008	0.013	0.023	0.005 J	0.005 U
	lbs/day	0.0006	0.0012		0.001	0.0006	0.0006	0.0010	0.0008	0.0006	0.0006	0.0037	0.0000	0.0012	0.0025	0.0037	0.0007	0.0006
HEM	mg/L	37.125	1.900	94.9%	40.90	33.40	37.13	33.4	38.7	40.9	35.5	1.90	1.90	1.90	1.9 J	1.9 U	1.9 U	1.9 U
	lbs/day	5.50	0.290	94.7%	6.43	4.15	5.50	6.43	6.32	5.10	4.15	0.37	0.23	0.29	0.37	0.30	0.25	0.23
Total Phenols	mg/L	0.074	0.013	82.5%	0.082	0.067	0.07	0.077 J	0.071 J	0.067 J	0.082 J	0.013	0.013	0.013	0.013 U	0.013 U	0.013 U	0.013 U
	lbs/day	0.010	0.002	79.8%	0.012	0.008	0.01	0.0148	0.0116	0.0083	0.0096	0.0025	0.0016	0.0020	0.0025	0.0021	0.0017	0.0016

J - The result is considered estimated

U - The result is considered not detected (non-detect).

UJ - The analyte is considered not detected and considered estimated.

Bold - The analyte was present in the sample.

¹Maximum, minimum, and average flows were calculated based on flows measured continuously throughout the year

Table 3-3
Organic Toxic Pollutants Summary

Parameter	CTP			NETP	
	Influent	Effluent	Biosolids	Influent	Effluent
	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019
Volatiles in ug/L					
1,1,1-Trichloroethane	0.3 U	0.3 U	1.8 U	0.3 U	0.3 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	1.8 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.2 U	0.2 U	1.7 U	0.2 U	0.2 U
1,1-Dichloroethane	0.2 U	0.2 U	1.6 U	0.2 U	0.2 U
1,1-Dichloroethene	0.3 U	0.3 U	1.9 U	0.3 U	0.3 U
1,2-Dichlorobenzene	0.2 U	0.2 U	1.3 U	0.2 J	0.2 U
1,2-Dichloroethane	0.2 U	0.2 U	1.7 UJ	0.2 U	0.2 U
1,2-Dichloropropane	0.1 U	0.1 U	1.2 UJ	0.1 U	0.1 U
1,3-Dichlorobenzene	0.08 U	0.08 U	150 UJ	0.08 U	0.08 U
1,4-Dichlorobenzene	0.7	0.4 J	4.3 J	0.4 J	0.2 J
2-Chloroethyl vinyl ether	0.1 U	0.1 U		0.1 U	0.1 U
Acrolein	1.5 U	1.5 U			1.5 U
Acrylonitrile	1.4 U	1.5 U	8.9 UJ	1.4 U	1.4 U
Benzene	0.6	0.1 U	0.8 U	0.1 U	0.1 U
Bromodichloromethane	0.2 U	0.2 U	0.8 U	0.2 U	0.2 U
Bromoform	0.2 U	0.2 U	2 U	0.2 U	0.2 U
Bromomethane	0.4 U	0.4 U	5 U	0.4 U	0.4 U
Carbon Tetrachloride	0.2 U	0.2 U	1.8 U	0.2 U	0.2 U
Chlorobenzene	0.2 J	0.09 U	1.3 U	0.1 J	0.09 U
Chloroethane	0.1 U	0.1 U	1.8 U	0.1 U	0.1 U
Chloroform	2.2	1.7	1.7 U	1.4	0.9
Chloromethane	0.2 U	0.2 U	1.1 U	0.2 J	0.3 J
cis-1,3-Dichloropropene	0.09 U	0.09 U	1.6 U	0.09 U	0.09 U
Dibromochloromethane	0.1 U	0.1 U	0.8 U	0.1 U	0.1 U
Ethylbenzene	0.4 J	0.2 U	1.1 U	0.3 J	0.2 U
m/p-Xylene	0.9	0.2 U	1.9 U	0.5 J	0.4 U
Methylene Chloride	0.4 J	0.2 U	3.5 J	0.4 U	0.4 U
o-Xylene	0.5	0.1 U	0.9	0.5	0.1 U
Styrene	0.6	0.1 U	1.1 U	0.3 J	0.1 U
Tetrachloroethene	5.2	2.4	1.2 U	0.2 U	0.2 U
Toluene	2.7	0.3 U	15	2.6	0.4 J
trans-1,2-Dichloroethene	0.2 U	0.2 U	2.1 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.1 U	0.1 U	2 U	0.1 U	0.1 U
Trichloroethene	0.2 J	0.2 U	1.6 U	0.2 U	0.2 U
Trichlorofluoromethane	0.2 U	0.2 U	1.2 U	0.2 U	0.2 U
Vinyl Chloride	0.2 U	0.2 U	2 U	0.2 U	0.2 U

Parameter	CTP			NETP	
	Influent	Effluent	Biosolids	Influent	Effluent
	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019
Semi - Volatiles in ug/L					
1,2,4-Trichlorobenzene	0.2 U	0.2 U	350 U	0.2 U	0.2 U
1,2-Diphenylhydrazine	0.2 U	0.2 U	312 U	0.2 U	0.2 U
2,2-oxybis(1-chloropropane)	0.2 U	0.2 U	312 U	0.2 U	0.2 U
2,4,6-Trichlorophenol	0.2	0.2 U	328 U	0.2 U	0.2 J
2,4-Dichlorophenol	0.2 U	0.2 U	368 U	0.2 U	0.2 U
2,4-Dimethylphenol	0.4 U	0.4 U	683 U	0.4 U	0.4 U
2,4-Dinitrophenol	4.2 U	4.1 U	133 U	4.2 U	4.2 U
2,4-Dinitrotoluene	0.3 U	0.3 U	207 U	0.3 U	0.3 U
2,6-Dinitrotoluene	0.3 U	0.3 U	285 U	0.3 U	0.3 U
2-Chloronaphthalene	0.1 U	0.1 U	290 U	0.1 U	0.1 U
2-Chlorophenol	0.2 U	0.2 U	300 U	0.2 U	0.2 U
2-Methyl-4,6-dinitrophenol	0.3 U	0.3 U	166 U	0.3 U	0.3 U
2-Nitrophenol	0.3 U	0.3 J	323 U	0.3 U	0.3 U
3 & 4-Methylphenol			596000		
3,3-Dichlorobenzidine	0.2 U	0.2 U	299 U	0.2 U	0.2 U
3-Methylcholanthrene	0.2 U	0.2 U		0.2 U	0.2 U
4-Bromophenyl phenyl ether	0.2 U	0.2 U	325 U	0.2 U	0.2 U
4-Chloro-3-methylphenol	0.2 U	0.2 U	381 U	0.2 U	0.2 U
4-Chlorophenyl phenyl ether	0.2 U	0.2 U	304 U	0.2 U	0.2 U
4-Nitrophenol	1.0 U	1.0 U	1820 U	1 U	1 U
Acenaphthene	0.3 J	0.2 U	329 U	0.2 U	0.2 U
Acenaphthylene	0.2 U	0.2 U	313 U	0.2 U	0.2 U
Aniline	0.5 J	0.1 J	439 U	0.4 J	0.2 J
Anthracene	0.1 U	0.1 U	335 U	0.1 U	0.1 U
Benzidine	2.6 U	R	108 U	2.6 U	2.6 U
Benzo(a)anthracene	0.1 U	0.1 U	409 J	0.1 U	0.1 U
Benzo(a)pyrene	0.2 U	0.2 U	371 J	0.2 U	0.2 U
Benzo(b,j,k)fluoranthene	0.4 U	0.4 U		0.4 U	0.4 U
Benzo(b,k)fluoranthenes			675 U		
Benzo(g,h,i)perylene	0.2 U	0.2 U	288 U	0.2 U	0.2 U
Benzoic Acid			17100		
bis(2-Chloroethoxy)methane	0.2 U	0.2 U	364 U	0.2 U	0.2 U
bis(2-Chloroethyl)ether	0.2 U	0.2 U	346 U	0.2 U	0.2 U
bis(2-Ethylhexyl)phthalate	13.0	1.4	49700	13	14
Butyl benzyl phthalate	3.6	0.2 U	3850	1.7	0.2 U
Carbazole	0.1 U	0.1 U	356 U	0.1 U	0.1 U

J - The result is considered estimated
U - The result is considered not detected (non-detect).
UJ - The analyte is considered not detected and considered estimated.
Bold - The analyte was present in the sample.
R - The analyte was not usable.

Table 3-3
Organic Toxic Pollutants Summary

Parameter	CTP			NETP	
	Influent	Effluent	Biosolids	Influent	Effluent
	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019
Parameter	CTP			NETP	
	Influent	Effluent	Biosolids	Influent	Effluent
	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019
Semi - Volatiles in ug/L					
Chrysene	0.1 U	0.1 U	356 U	0.1 U	0.1 U
Dibenz(a,h)acridine	0.3 U	0.3 U		0.3 U	0.3 U
Dibenz(a,h)anthracene	0.2 U	0.2 U	270 U	0.2 U	0.2 U
Dibenz(a,j)acridine	0.3 U	0.3 U		0.3 U	0.3 U
Dibenzo(a,e)pyrene	0.4 U	0.4 U		0.4 U	0.4 U
Dibenzo(a,h)pyrene	0.3 U	0.3 U		0.3 U	0.3 U
Dibenzo(a,i)pyrene	0.5 U	0.5 U			
Diethylphthalate	2.5	0.3 U	310 U	3.4	0.6 J
Dimethyl phthalate	0.1 U	0.1 U	318 U	0.1 U	0.1 U
Di-n-butylphthalate	1.5	0.4 J	974	1.1	0.4 J
Di-n-Octyl phthalate	0.3 U	0.3 U	409 U	0.3 U	0.3 U
Fluoranthene	0.10 J	0.20 U	338 J	0.20 U	0.20 U
Fluorene	0.2 U	0.2 U	445 U	0.2 U	0.2 U
Hexachlorobenzene	0.2 U	0.2 U	321 U	0.2 U	0.2 U
Hexachlorobutadiene	0.2 U	0.2 U	341 U	0.2 U	0.2 U
Hexachlorocyclopentadiene	0.2 U	0.2 U	341 U	0.2 U	0.2 U
Hexachloroethane	0.2 U	0.2 U	321 U	0.2 U	0.2 U
Indeno(1,2,3-c,d)pyrene	0.3 J	0.2 U	1520	0.3 J	0.2 U
Isophorone	0.2 U	0.2 U	358 U	0.2 U	0.2 U
Naphthalene	0.9	0.2 U	365 U	0.2 U	0.2 U
Nitrobenzene	0.2 U	0.2 U	339 U	0.2 U	0.2 U
N-Nitrosodimethylamine	0.7 U	0.7 U	334 U	0.8 U	0.7 U
N-Nitroso-di-n-propylamine	0.1 U	0.1 U	277 U	0.1 U	0.1 U
N-Nitrosodiphenylamine	0.1 U	0.1 U	315 U	0.1 U	0.1 U
Pentachlorophenol	0.9 U	0.9 U	310 U	1.0 U	0.9 U
Perylene	0.2 U	0.2 U		0.2 U	0.2 U
Phenanthrene	0.4 J	0.1 U	918	0.1 U	0.1 U
Phenol	7.3	0.3 U	2870	4.8	0.8 J
Pyrene	0.2 U	0.2 U	940	0.2 U	0.2 U
Pyridine			795 J		

Parameter	CTP			NETP	
	Influent	Effluent	Biosolids	Influent	Effluent
	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019
PCBs in ug/L					
Aroclor-1016	0.001 U	0.009 U	2 U	0.01 U	0.01 U
Aroclor-1221	0.034 U	0.034 U	2 U	0.03 U	0.03 U
Aroclor-1232	0.009 U	0.009 U	2 U	0.01 U	0.01 U
Aroclor-1242	0.009 U	0.009 U	1 U	0.01 U	0.01 U
Aroclor-1248	0.009 U	0.009 U	1 U	0.01 U	0.01 U
Aroclor-1254	0.022 U	0.022 U	1 U	0.02 U	0.02 U
Aroclor-1260	0.022 U	0.022 U	1 U	0.02 U	0.02 U

Parameter	CTP			NETP	
	Influent	Effluent	Biosolids	Influent	Effluent
	4/16/2019	4/16/2019	4/16/2019	4/16/2019	4/16/2019
Pesticides in ug/L					
4,4-DDD	0.047 U	0.005 U	26 U	0.047 U	0.005 U
4,4-DDE	0.085 U	0.009 U	17 U	0.085 U	0.009 U
4,4-DDT	0.047 U	0.005 U	20 U	0.047 U	0.005 U
Aldrin	0.180 U	0.018 U	18 U	0.18 U	0.018 U
alpha-BHC	0.076 U	0.008 U	23 U	0.076 U	0.008 U
alpha-Chlordane	0.076 U	0.008 U	17 U	0.076 U	0.008 U
beta-BHC	0.047 U	0.005 U	21 U	0.047 U	0.005 U
delta-BHC	0.057 U	0.006 U	13 U	0.057 U	0.006 U
Dieldrin	0.057 U	0.006 U	16 U	0.057 U	0.006 U
Endosulfan I	0.057 U	0.006 U	16 U	0.057 U	0.006 U
Endosulfan II	0.038 U	0.004 U	17 U	0.038 U	0.004 U
Endosulfan sulfate	0.038 U	0.004 U	17 U	0.038 U	0.004 U
Endrin	0.057 U	0.006 U	13 U	0.057 U	0.006 U
Endrin Aldehyde	0.076 U	0.008 U	15 UJ	0.076 U	0.008 U
Endrin Ketone	0.095 U	0.010 U	18 U	0.095 U	0.010 U
gamma-BHC (Lindane)	0.057 U	0.006 U	18 U	0.057 U	0.006 U
gamma-Chlordane	0.104 U	0.011 U	18 U	0.104 U	0.011 U
Heptachlor	0.152 U	0.016 U	17 U	0.152 U	0.015 U
Heptachlor Epoxide	0.057 U	0.006 U	17 U	0.057 U	0.006 U
Methoxychlor	0.047 U	0.005 U	21 U	0.047 U	0.005 U
Toxaphene	1.760 U	0.181 U	R	1.76 U	0.179 U

J - The result is considered estimated
U - The result is considered not detected (non-detect).
UJ - The analyte is considered not detected and considered estimated.
Bold - The analyte was present in the sample.
R - The analyte was not usable.

Table 3-4
North End Wastewater Treatment Plant Metal Evaluation

Parameter	Unit	NETP - Removal Efficiencies			NETP - Influent Metal Analysis							NETP - Effluent Metal Analysis						
		Influent	Effluent	% Removal	Maximum	Minimum	Average	Sample Date				Maximum	Minimum	Average	Sample Date			
								1/3/19	4/17/19	7/18/19	10/15/19				1/3/19	4/17/19	7/18/19	10/15/19
Average Flow ¹	mgd				12.6	3.0	4.3	6.5	3.7	3.8	3.7	12.6	3.0	4.3	6.5	3.7	3.8	3.7
Antimony	µg/L	0.62	0.37	41.3%	0.68	0.57	0.62	0.57	1.680 UJ	1.04	0.676	0.37	0.37	0.37	0.324 J	0.903 UJ	0.535	0.366 J
	lbs/day	0.03	0.011	56.4%	0.03	0.02	0.03	0.031	0.052	0.033	0.021	0.01	0.01	0.01	0.017	0.028	0.017	0.011
Arsenic	µg/L	1.63	0.85	47.7%	2.08	1.39	1.63	1.52	1.39	2.08	1.52	0.96	0.72	0.85	0.891	0.717	0.96	0.84
	lbs/day	0.06	0.03	46.8%	0.08	0.04	0.06	0.082	0.043	0.066	0.046	0.05	0.02	0.03	0.048	0.022	0.030	0.026
Beryllium	µg/L	0.00	0.00	U	0.00	0.05	0.05	0.052 U	0.052 U	0.052 J	0.052 U	0.00	0.05	0.06	0.052 U	0.052 U	0.089 J	0.052 U
	lbs/day	0.00	0.000	U	0.00	0.00	0.00	0.003	0.002	0.002	0.002	0.00	0.00	0.00	0.003	0.002	0.003	0.002
Cadmium	µg/L	0.21	0.07	65.6%	0.24	0.15	0.21	0.150 J	0.198 J	0.234 J	0.238 J	0.10	0.06	0.07	0.060 U	0.060 U	0.102 J	0.060 U
	lbs/day	0.01	0.003	64.9%	0.01	0.01	0.01	0.008	0.006	0.007	0.007	0.00	0.00	0.00	0.003	0.002	0.003	0.002
Chromium	µg/L	3.31	1.26	61.8%	4.06	2.16	3.31	3.22	2.16	4.06	3.78	1.60	1.15	1.26	1.150 U	1.15 U	1.600	1.15 U
	lbs/day	0.12	0.046	62.1%	0.17	0.07	0.12	0.173	0.067	0.129	0.115	0.06	0.04	0.05	0.062	0.036	0.051	0.035
Copper	µg/L	32.03	2.98	90.7%	47.60	23.20	32.03	28.4	23.2	47.6	28.9	3.28	2.73	2.98	2.8	3.11	3.28	2.73
	lbs/day	1.16	0.109	90.6%	1.53	0.72	1.16	1.528	0.718	1.513	0.882	0.15	0.08	0.11	0.151	0.096	0.104	0.083
Lead	µg/L	8.26	0.32	96.1%	13.70	5.02	8.26	5.02	6.46	13.7	7.85	0.42	0.24	0.32	0.235 J	0.33 J	0.417 J	0.316 J
	lbs/day	0.29	0.011	96.0%	0.44	0.20	0.29	0.270	0.200	0.435	0.240	0.01	0.01	0.01	0.013	0.010	0.013	0.010
Mercury	µg/L	0.06	0.00	97.1%	0.07	0.04	0.06	0.071	0.0390	0.075	0.044	0.00	0.00	0.00	0.002 U	0.0016 J	0.0016 U	0.0019 J
	lbs/day	0.00	0.000	97.2%	0.004	0.001	0.002	0.0038	0.001	0.002	0.001	0.0001	0.0000	0.0001	0.0001	0.0000	0.00005	0.0001
Molybdenum	µg/L	1.06	0.60	43.1%	1.17	0.90	1.06	0.898	0.938	1.17	1.1	0.65	0.55	0.60	0.399 J	0.44 J	0.654	0.548
	lbs/day	0.05	0.02	61.2%	0.05	0.03	0.04	0.048	0.029	0.037	0.034	0.02	0.02	0.02	0.021	0.014	0.021	0.017
Nickel	µg/L	4.16	1.48	64.4%	7.61	2.77	4.16	3.1	2.77	7.61	3.15	1.73	1.31	1.48	1.57	1.31	1.73	1.31
	lbs/day	0.15	0.055	62.7%	0.24	0.09	0.15	0.167	0.086	0.242	0.096	0.08	0.04	0.05	0.084	0.041	0.055	0.040
Selenium	µg/L	0.65	0.26	60.0%	0.75	0.54	0.65	0.535	0.697	0.747	0.62	0.29	0.23	0.26	0.249 J	0.274 J	0.289 J	0.227 J
	lbs/day	0.02	0.009	59.2%	0.03	0.02	0.02	0.029	0.022	0.024	0.019	0.01	0.01	0.01	0.013	0.008	0.009	0.007
Silver	µg/L	0.34	0.09	74.5%	0.54	0.16	0.34	0.162 J	0.539	0.381 J	0.296 J	0.11	0.08	0.09	0.079 U	0.079 U	0.114 J	0.079 U
	lbs/day	0.01	0.003	72.6%	0.02	0.01	0.01	0.009	0.017	0.012	0.009	0.00	0.00	0.00	0.004	0.002	0.004	0.002
Thallium	µg/L	0.00	0.00	U	0.00	0.13	0.00	0.918	0.125 U	0.125 U	0.125 U	0.00	0.13	0.00	0.725	0.125 U	0.125 U	0.125 U
	lbs/day	0.00	0.000	U	0.05	0.00	0.02	0.049	0.004	0.004	0.004	0.04	0.00	0.01	0.039	0.004	0.004	0.004
Zinc	µg/L	125.65	24.75	80.3%	162.00	94.60	125.65	94.6	109	162	137	28.3	22.2	24.8	25.5	23	28.3	22.2
	lbs/day	4.45	0.915	79.4%	5.15	3.37	4.45	5.089	3.373	5.148	4.182	1.4	0.7	0.9	1.372	0.712	0.899	0.678

J - The result is considered estimated

U - The result is considered not detected (non-detect).

UJ - The analyte is considered not detected and considered estimated.

Bold - The analyte was present in the sample.

¹ Maximum, minimum, and average flows were calculated based on flows measured continuously throughout the year

Table 3-5
North End Wastewater Treatment Plant Cyanide, HEM and Total Phenols Summary

Parameter	Unit	Average Concentration			NETP - Influent Cyanide, HEM, and Total Phenols Analysis							NETP - Effluent Cyanide, HEM, and Total Phenols Analysis						
		Influent	Effluent	% Removal	Maximum	Minimum	Average	Sample Data				Maximum	Minimum	Average	Sample Data			
								1/2, 1/3/19	4/16, 4/17/19	7/17, 7/18/19	10/15/19				1/2, 1/3/19	4/16, 4/17/19	7/17, 7/18/19	10/15/19
Average Flow ¹	mgd				12.6	3.0	4.3	5.7	3.7	3.6	3.7	12.6	3.0	4.3	5.7	3.7	3.6	3.7
Cyanide	mg/L	0.000	0.002	U	0.005	0.005	0.005	0.005 U	0.005 U	0.005 U	0.005 U	0.058	0.058	0.058	0.005 J	0.005 U	0.024	0.058
	lbs/day	0.0000800	0.00005	U	0.00015	0.00015	0.00015	0.00024	0.00015	0.00015	0.00015	0.00005	0.00005	0.00005	0.00024	0.00015	0.00072	0.00177
HEM	mg/L	28.550	2.125	92.6%	33.5	24.600	28.550	24.6	27.9	33.5	28.2	2.500	1.900	2.125	1.9 U	2.2 J	2.5 J	1.9 U
	lbs/day	0.972	0.073	92.5%	1.169	0.854	0.972	1.169	0.854	1.006	0.861	0.0903	0.058	0.073	0.090	0.067	0.075	0.058

J - The result is considered estimated

U - The result is considered not detected (non-detect).

UJ - The analyte is considered not detected and considered estimated.

Bold - The analyte was present in the sample.

¹ Maximum, minimum, and average flows were calculated based on flows measured continuously throughout the year

Table 3-6
City of Tacoma Biosolids Sampling Results - Metals, Cyanide, and Total Phenols

Parameter	Unit	Limits		Maximum	Minimum	Average	Sample Date			
		Clean	Ceiling				1/2, 1/8/2019	4/16/19	7/17/19	10/8/19
Antimony	mg/kg			4.28	2.94	3.60	2.94	3.59	4.28 UJ	3.58
Arsenic	mg/kg	41	75	10.4	5.73	8.2	10.40	6.67	5.73	10.00
Beryllium	mg/kg			0.22	0.02	0.12	0.220 J	0.114 J	0.0197 U	0.136 J
Cadmium	mg/kg	39	85	1.5	0.0259	1.046475	1.5 J	1.21	0.0259 U	1.45
Chromium	mg/kg			25.20	20.80	22.53	25.2	20.8	21.5 UJ	22.6
Copper	mg/kg	1,500	4,300	300	252	273.5	252	263	300	279
Lead	mg/kg	300	840	62.00	35.00	44.80	62	35	35.9	46.3
Mercury	mg/kg	17	57	0.685	0.418	0.5325	0.418	0.549	0.685	0.478
Molybdenum	mg/kg	75	75	8.39	6.00	7.09	6.26	6	8.39	7.69
Nickel	mg/kg	420	420	20.3	16.4	17.725	20.3	16.4	17.1	17.1
Selenium	mg/kg	100	100	5.67	4.70	5.15	4.7	4.92	5.67 UJ	5.32
Silver	mg/kg			5.84	2.25	3.27	2.32	2.25	5.84	2.67
Thallium	mg/kg			2.63	0.04	0.69	2.630 UJ	0.0458 U	0.0426 U	0.0514 J
Zinc	mg/kg	2,800	7,500	935	742	837.5	742	766	935	907
Total Cyanide	mg/kg			8.93	0.05	4.15	7.49 UJ	0.05 U	0.12	8.93 U
Total Phenols	mg/kg			231	140	187	140	231	169	208

J - The result is considered estimated

U - The result is considered not detected (non-detect)

UJ - The analyte is considered not detected and considered estimated

Bold - The analyte was present in the sample

4.0 LOCAL LIMITS EVALUATION

Local discharge limits are developed to protect wastewater treatment plant operations and ensure that effluent discharges meet state and federal discharge requirements. The current local limitations on wastewater strength placed on discharges to the municipal sanitary sewer are codified in Tacoma Municipal Code (TMC), Chapter 12.08.040 (see table below).

TMC 12.08.040 Limitations on Wastewater Strength¹	
Arsenic, total	0.1 mg/L
Cadmium, total	0.25 mg/L
Chromium, hexavalent	0.25 mg/L
Chromium, total	1.0 mg/L
Copper, total	1.0 mg/L
Cyanide, total	0.64 mg/L
Lead, total	0.4 mg/L
Mercury, total	0.05 mg/L
Molybdenum, total	1.0 mg/L
Nickel, total	1.0 mg/L
Selenium, total	0.1 mg/L
Silver, total	0.2 mg/L
Zinc, total	2.0 mg/L
Petroleum Hydrocarbons (SGT-HEM)	50 mg/L

¹Maximum Daily Limits

4.1 LOCAL LIMITS DEVELOPMENT

During 2018, the City contracted with CWA Consulting Services (CWACS) to evaluate and revise technically-based local limits for both the Central Treatment Plant (CTP) and the North End Treatment Plant (NETP). The revised local limits were submitted to Ecology for informal review and comment. During 2020, the City will submit a substantial modification to Ecology and adopt the new local limits into the City's legal authority.

4.2 2019 MAHL EVALUATION

To evaluate the effectiveness of the current local discharge limits, the 2019 average and maximum daily influent loading for each pollutant of concern (POC) was compared to the calculated maximum allowable headworks loading (MAHL) established during the local limits evaluation in 2014 (Table 4-2). EPA recommends re-evaluating local limits when the average influent loading of a POC exceeds 60% of the MAHL or the maximum daily loading exceeds 80% of MAHL (EPA, 2004-A)

As shown in Table 4-3 and Figure 4-1, 11 of the 14 POCs exhibited an average loading below 15% of the calculated MAHL. Zinc exhibited the highest percentage of the MAHL received at CTP during 2019.

As shown in Table 4-3 and Figure 4-1, with the exception of zinc, all other POCs exhibited a maximum loading below 30% of the MAHL. The maximum daily loading for zinc was approximately 45% of the calculated MAHL. Both the average and maximum percentages for all POCs fall below the EPA 80%/60% rule discussed above. The higher zinc values could be attributed to high domestic contributions for zinc as exhibited in the NETP data (Table 3-4).

Figure 4-1
A Comparison of 2013 CTP Loadings and Calculated MAHL

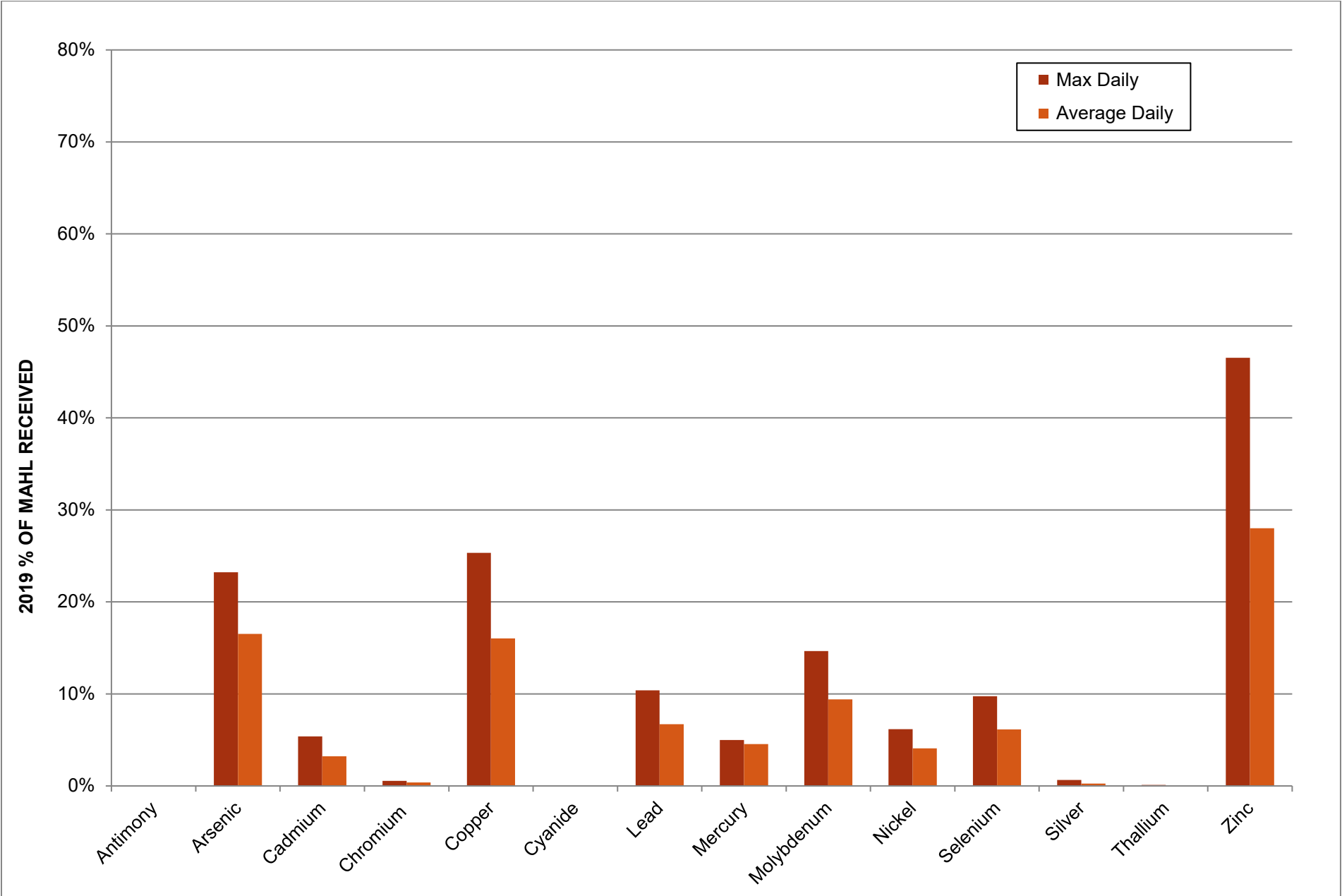


Table 4-1 Central Wastewater Treatment Plant 2014 Local Limits Evaluation - Basic Data

Name of Facility: City of Tacoma Central Wastewater Treatment Plant
 Point of Contact: Kurt Fremont
 Person Entering Data: Jason Yost
 Reviewer: Dan C. Thompson

General Information	Values
Receiving Water Hardness (if fresh)	30
(M)arine, (F)resh, or (B)oth Discharges	M
Sludge: Class A (A) or (C)eiling level	A
Plant: (A)ctivated sludge or (O)ther	A
Sludge Digestion Occurs (Y)es or(N)o	Y
Total Plant Flow (in MGD)	21.3 MGD
Domestic Flow (in MGD)	17.3 MGD
Industrial Flow (in MGD)	1. MGD
Infiltration/Inflow (by subtraction)	3. MGD
Acute Dilution Factor	22. : 1
Chronic Dilution Factor	145. : 1
Dilution Factor for Human Health Based WQ	148. : 1
Digester Flow (in MGD)	0.172 MGD
Dry Sludge Production Rate (US Tons/day)	26.08 T/D

Table 4-3
Evaluation of 2019 Central Wastewater Treatment Plant Pollutant Loading

Pollutant of Concern	2014 Calculated MAHL ¹ (lbs/day)	Max Daily (lbs/day)	Percentage of MAHL (Max)	Average Loading (lbs/day)	Percentage of MAHL (Average)
Antimony	181,788.49	0.35	0.0002%	0.25	0.00014%
Arsenic	2.24	0.52	23.2%	0.37	16.5%
Cadmium	0.93	0.05	5.4%	0.03	3.2%
Chromium	200.85	1.12	0.56%	0.78	0.39%
Copper	33.05	8.37	25.3%	5.30	16.0%
Cyanide	12.04	0.01	0.04%	0.00	0.005%
Lead	9.24	0.96	10.4%	0.62	6.7%
Mercury	0.22	0.01	5.0%	0.01	4.5%
Molybdenum	7.44	1.09	14.7%	0.70	9.4%
Nickel	17.67	1.09	6.2%	0.72	4.1%
Selenium	1.95	0.19	9.7%	0.12	6.2%
Silver	23.02	0.15	0.65%	0.06	0.3%
Thallium	499.7	0.51	0.10%	0.14	0.03%
Zinc	73	33.98	46.5%	20.45	28.0%

¹The MAHL was calculated during the 2014 Local Limits Evaluation.

5.0 INDUSTRIAL USER SURVEY PROGRAM

During the current permit cycle, the City was required by section S6.A.1.h of the CTP NPDES Wastewater Discharge Permit (Permit) to submit a report outlining Industrial User survey efforts for all industries discharging non-domestic wastewater to the City's treatment plants by December 15, 2014. The purpose of the IU survey was to properly categorize each non-domestic source of pollutants discharging to the municipal sanitary sewer system following the Washington Department of Ecology's guidance manual, "Conducting an Industrial User Survey" (Knight, 2011). This categorization or review of IU's is an ongoing process and this section satisfies the update of non-domestic inventory as required by section S6.A.5a of the Permit.

The City submitted the Wastewater Pretreatment Program Industrial User Survey Report in 2014, reiterating the standard operating procedures for the City's IU survey program. The procedures for conducting an IU survey have not changed since that submittal (Tacoma, 2014), with the exception of how IU surveys are tracked internally. The new tracking method is discussed in Section 5.1.3. The City is currently working towards drafting a new Pretreatment Program Document, which will include the IU Survey Program.

5.1 SURVEY PROCEDURES

Since the beginning of the pretreatment program in 1984, Tacoma Municipal Code Chapter 12.08 has required users of the municipal sanitary sewer to submit a survey to the Director prior to connecting to, modifying, or increasing any nondomestic discharges to the sanitary sewer (Appendix D – Section 12.08.140). During 2019, the focus for the user survey program was to continue to update the master list of industries with new and existing businesses surveyed and receive a completed and signed survey from identified IUs. The following sections outline the City's IU survey program procedures.

5.1.1 Identify Non-Domestic Dischargers

Each year the City of Tacoma Environmental Compliance (EC) staff updates the master list of all commercial businesses requiring an IU survey. The following tasks were completed during 2019 with the goal to identify and screen new Industrial Users:

- Reviewed new business license applications to identify businesses that may discharge non-domestic wastewater;
- Reviewed commercial building permits to identify businesses that may discharge non-domestic wastewater to ensure proper pre-treatment is installed if needed;
- Worked with the City's Billing and Technical Services group to compile and review water use records, discharge records, and NAICS and SIC codes with pretreatment standards (40 CFR) and those codes identified by City staff for all the commercial accounts billed by the City of Tacoma;
- Reviewed local newspapers for feature articles or ads about local business activities/services;
- Reviewed the NAICS/SIC codes and average monthly water consumption records for commercial accounts as reported by interlocal agreement areas that discharge to Tacoma's treatment works; and
- Conducted geographic inspections of businesses in Tacoma and interlocal agreement areas that discharge to the City's treatment plants. Part of the inspection

process included assigning appropriate NAICS code, and if applicable, determining the water usage. City staff inspected over 700 commercial businesses in 2019.

5.1.2 Survey Process

Once a potential IU is identified through available methods, they are sent an IU survey form to obtain additional information about the processes and potential discharges to the City's wastewater collection system.

Staff review IU survey for completeness, accuracy, and authorized representative signature. If additional information is required, the business is contacted by telephone or referred to Environmental Compliance Source Control for inspection.

5.1.3 Survey Documentation

All of the user survey activity is tracked in the City's Inspection Database. During the survey process, pretreatment staff record the name and address of the identified business and the date the survey was sent in the User Survey Module. Completed IU surveys, survey correspondence, telephone calls, inspections, or additional inquiries are also recorded and stored in this module. This information is used to create the Master Business List.

The Master Business List is maintained and updated electronically in the City's inspection database using the User Survey module and submitted annually to Ecology. The City tracks the following information for each survey:

- Company name and address;
- Date survey was sent;
- Date survey was returned;
- Additional actions taken to receive completed survey (phone calls, inspections, etc.); and
- Assigned pretreatment categories for each IU

5.1.4 Categorization of Industrial Users

As new businesses are identified and completed surveys are returned, staff use the specific categories listed below to categorize existing and potential users of the POTW. The accurate categorization of IUs allows for proper oversight in the Pretreatment Program. The Pretreatment Program conforms to the following definitions of industrial users.

The City assigns the appropriate category based on the following descriptions:

1. Category A – These IUs have been identified as an SIU and have been issued an Industrial Wastewater Discharge Permit by Environmental Compliance. Oversight for these industries occurs through the Wastewater Pretreatment Program.
 - a. Category A – SIU: Permitted Significant Industrial User,
 - b. Category A – CIU: Permitted Categorical Industrial User, and
 - c. Category A – Zero Discharger: Permitted Categorical Industrial User with no allowable discharge of categorical process wastewater.
2. Category B: These industries are MIUs or have a moderate potential to discharge pollutants to the collection system.

- a. Category B – MIU: Minor Industrial Users are industries that have some potential to discharge pollutants of concern to the POTW, but are not regulated under the federally delegated program. The City classifies the following users as Minor Industrial Users:
 - IUs that have a letter of authorization, or other control mechanism, stipulating conditions for a process wastewater discharge,
 - IUs that store or use chemicals in large quantities denoting concern and/or are known to generate waste that must be manifested for off-site disposal and could pose a significant threat to the POTW if there was a spill or slug discharge from their facility,
 - IUs that have some discharges of wastewater containing pollutants not typical of domestic wastewater and potentially of concern to the POTW, and
 - Non-domestic users that install and maintain active pretreatment equipment in order to meet local discharge requirements.
- b. Category B – IU: These industries are Non-Significant Industrial Users. These facilities have a low potential to discharge pollutants to the collection system. These IUs have little to moderate impact upon the POTW, but need some oversight to ensure compliance. The City considers the following users as Non-Significant.
 - Businesses with passive pretreatment systems such as Oil Water Separators (OWS) or facilities with wash pads,
 - Businesses that have some volume of high-strength wastewater, such as from producing beer or wine,
 - Businesses that generate little or no wastewater, but use and might discharge non-domestic wastewater, such as dry cleaners, photo processors, and jewelers, and
 - Businesses that store large volumes of chemicals such as petroleum, oil, lubricants, solvents, or other chemicals that could harm the sewer if spilled.
3. Category de-designated: These facilities have been removed from the SIU designation based upon review by the pretreatment staff. EC staff reviewed the processes at these industries and determined they did not require an Industrial Wastewater Discharge Permit. These facilities will be re-surveyed or inspected periodically to ensure the processes at these facilities have not changed. The pretreatment group assigns this category.
4. Category C: These businesses discharge wastewater similar in character to domestic discharges and include offices, theaters, and retailers. These facilities have been eliminated from further survey efforts due to their similarities with domestic wastewater and have been determined to have negligible potential to discharge POCs to the wastewater treatment plant.
5. Category Unknown: There was not enough information to properly categorize these businesses or they had not been previously inspected. These facilities will be inspected to ensure proper categorization.

6. Category FSE: These are food services establishments or restaurants. Oversight for these facilities occurs through the Fats, Oils, and Grease (FOG) program.

5.1.5 Survey Forms

All User Survey data is compiled into several forms for tracking and reporting purposes and are included in Appendix B. The following is a summary of information included on each tracking form:

- Form 1 is the master list of businesses surveyed. This form includes steps taken to retrieve survey information and industries that still need to return a completed survey to the City.
- Form 2 is the list of IUs that have been eliminated from further survey efforts based on domestic equivalence. This form is available upon request.
- Form 3a is the list of SIUs (permitted, to be permitted, and de-designated) with pertinent information tabulated such as water use and or primary activities of the industry.
- Form 3b is a list of MIUs with important information tabulated.
- Form 3c is a list of potential SIUs that, based on flow, have been re-categorized to a lower designation.

5.2 2019 SUMMARY

During 2019, EC staff continued efforts to receive completed surveys from high priority IUs. The City sent short form user surveys to 1033 different businesses that are potential IUs. This includes sending surveys to 326 newly identified businesses and resending surveys to 707 businesses that had not responded to previous survey attempts. Additionally five permit applications were delivered to new businesses identified through both site inspections, and the User Survey Program. There are currently 1331 Category B Facilities and 42 industries that have been issued an Industrial Wastewater Discharge Permits. During 2019, the City received and reviewed all industrial permit applications and 438 short form surveys.

Additionally, during 2019, City Staff inspected approximately 725 IUs or potential IUs to confirm proper categorization and to receive signed survey forms. The City does not require a signed survey form from facilities that have been determined to have domestic equivalence.

6.0 INDUSTRIAL WASTEWATER DISCHARGE SUMMARY

EC staff regulates discharges to the City's wastewater treatment plants through the issuance and enforcement of Industrial Wastewater Discharge Permits issued to SIUs and Special Approved Discharge Authorizations (SADs) issued for short-term projects discharging to the wastewater treatment plants. The City has verified that all current permitted industries have paid their 2019 permit fees and that all permittees, including those receiving reissued permits, have followed required permit issuance procedures including WDOE review and public participation when required.

6.1 INDUSTRIAL WASTEWATER DISCHARGE PERMITS

During 2019, the Wastewater Pretreatment Program regulated activities and/or wastewater discharges from 42 permitted industries. Of the 42 industries, one permit was transferred to new ownership; Targa Sound Terminals permit was transferred to new owner SeaPort Sound Terminal LLC. Two permits were closed as the industries went out of business; Ecotex Healthcare Laundry Services went out of business December 2019 and Rainier Ballistics went out of business in September of 2019. Also, 11 of the permitted industries have Industrial Wastewater Zero Discharge Permits which prohibit the discharge of categorical and/or other process wastewater to the City's wastewater collection system. A complete list of permitted industrial users may be found in Table 6-1. Table 6-2 provides an industrial user compliance summary, including reporting and monitoring frequencies and 2019 compliance issues.

The following is a summary of activities conducted by Wastewater Pretreatment Program staff during 2019.

6.1.1 New Industrial Wastewater Discharge Permits Issued

- Motive Power Marine – Wastewater Industrial Discharge Permit issued January 2019
- Milton Decant Facility – Wastewater Industrial Discharge Permit issued jointly with Pierce County in April 2019. First discharge did not occur until January of 2020 therefore no sampling/inspection/reporting took place.

6.1.2 Industrial Wastewater Discharge Permits Re-issued:

- Bradken-Atlas Foundry (formerly Atlas) – Wastewater Industrial Discharge Permit, re-issued in August 2019
- Foss Landing Marina, LLC – Wastewater Industrial Discharge Permit, re-issued in January 2019
- Heritage-Crystal Clean – Wastewater Industrial Discharge Permit, re-issued in March 2019
- LRI (Pierce County Recycling, Disposal & Composting) – Wastewater Industrial Discharge Permit, re-issued in July 2019
- Pacific Container Corporation – Wastewater Industrial Discharge Permit, re-issued in June 2019
- PM Testing Laboratory, Inc. – Wastewater Industrial Discharge Permit, re-issued in June 2019
- Sea-Tac Inflite Services – Wastewater Industrial Discharge Permit, re-issued in May 2019

- WSDOT/CH2M Hill (Lilyblad site remediation) – Wastewater Industrial Discharge Permit re-issued in August 2019

6.1.3 Industrial Wastewater Permits Transferred:

- No Industrial Wastewater Permits were transferred in 2019

6.1.4 Industrial Wastewater Discharge Permits Modified:

- No Industrial Wastewater Permits were modified in 2019

6.1.5 Wastewater Discharge Permits Closed:

- Rainier Ballistics went out of business and permit closed, September 2019
- Ecotex Healthcare Laundry Services went out of business and permit closed, December 2019

6.1.6 Industrial Wastewater Discharge Permits Revoked:

- No Industrial Wastewater Permits were revoked in 2019

6.1.7 Engineering Reports Reviewed:

- Burlington Environmental LLC - Stericycle
- Pierce County Recycling, Composting and Disposal LLC dba LRI

6.1.8 Permit Applications Reviewed in 2019 or Currently Under Review:

- Raceway Technologies – Determination, Non SIU/CIU
- Elite Laundry Services – Determination, Non SIU/CIU
- Bradken – Permit Renewal
- PM Testing – Permit Renewal
- Lilyblad – Permit Renewal
- LRI – Permit Renewal
- Sea-Tac Inflite Services - Permit Renewal
- Heritage Crystal Clean – Permit Renewal
- Pacific Container Corporation – Permit Renewal

6.2 MINOR INDUSTRIAL USERS (MIUs)

MIUs are not issued individual discharge permits in the City. Instead, they are regulated through periodic inspections, industrial survey efforts, and complaint response. Please see Appendix B – Form 3b for a complete list of MIUs identified during the User Survey process. Environmental Compliance inspected 17 Minor Industrial Users and Non-Significant Industrial Users in 2019.

The City has issued a letter of authorization stipulating conditions for process wastewater discharges from mobile vehicle washers. These industrial users are reauthorized to discharge each year based on approval of their re-certification form stating that their process and/or chemicals discharged have not changed and must include a list of current customers in Tacoma. During 2019, seven mobile vehicle washers were approved discharge. Mobile washers are required to re-certify each year to ensure compliance with the regulations stipulated in the letter of authorization. They are also required to submit current business licenses and the Safety Data Sheets (SDS) for all chemicals discharging to the wastewater collection system.

6.3 SPECIAL APPROVED DISCHARGES (SADs)

During 2019, EC staff managed 13 SAD authorizations for discharges to the City's municipal sanitary sewer system for short-term projects such as site remediation and construction dewatering. Nine of these SAD authorizations were closed during the 2019 reporting period.

The City's SAD program is codified in Tacoma Municipal Code (TMC) Chapter 12.08.365. The SAD authorizations are intended to regulate discharges from short-term (primarily up to one year in duration) projects, typically site remediation and construction dewatering projects that do not require the issuance of an Industrial Wastewater Discharge Permit. The SAD authorization provides regulatory oversight to ensure discharges meet local limits as well as setting a fee structure for the application and total flow volume for the duration of the project. The 2019 SAD authorizations are presented in Table 6-3.

During 2019, all SAD authorizations were posted on the City's website at the time of issuance.

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Table 6-1 (Form 6)
City of Tacoma Industrial User Survey

Company Name	Address	Categorical Standard	SIC/NAICS	Inspection (Y/N)	Permitted (Y/N)	ASPP Evaluated	ASPP Required	ASPP Recorded	Comments
Industries Subject to Specific Categorical Pretreatment Standards and Local Limits									
Bradken-Atlas Foundry (formerly Atlas)	3021 South Wilkeson Street	40 CFR Part 464	3325	Y	Y	Y	Y	Y	Permit Renewed in 2019
Burlington Environmental, LLC (Stericycle)	1701 Alexander Avenue East	40 CFR Part 437	562211	Y	Y	Y	Y	Y	
Delta Camshaft	2366 Tacoma Avenue South	40 CFR Part 433	332812	Y	Y	Y	Y	Y	Zero Discharge
Edman Company	2502 Marine View Drive	40 CFR Part 429	321113	Y	Y	Y	Y	Y	
Emerald Services	1825 Alexander Avenue East	40 CFR Part 437	562211	Y	Y	Y	Y	Y	
Fibro Corporation	3101 South Tacoma Way	40 CFR Part 430	2679	Y	Y	Y	Y	Y	Zero Discharge
Gardner-Fields Company, LLC	2240 Taylor Way	40 CFR Part 443	324122	Y	Y	Y	Y	Y	Zero Discharge
Heritage-Crystal Clean	1901 East D Street	40 CFR Part 437	562219	Y	Y	Y	Y	Y	Permit Renewed in 2019
Innovative Repairs, LLC	5225 7th St East (Fife)	40 CFR Part 442	48851, 81111, 561720	Y	Y	Y	Y	Y	Zero Discharge
Northwest Etch Technologies	2601 South Hood Street	40 CFR Part 433	3479	Y	Y	Y	Y	Y	Zero Discharge
Pabco Roofing Products	1476 Thorne Road	40 CFR Part 443	324122	Y	Y	Y	Y	Y	Zero Discharge
Petroleum Reclaiming Services (PRS)	3003 Taylor Way East	40 CFR Part 437	562219	Y	Y	Y	Y	Y	
PM Testing	3921 Pacific Highway East (Fife)	40 CFR Part 433	3479	Y	Y	Y	Y	Y	Permit Renewed in 2019
Powder Coating Systems	3131 South Lawrence Street	40 CFR Part 433	3479	Y	Y	Y	Y	Y	
Rainier Ballistics	4500 15th Street East (Fife)	40 CFR Part 433	332992	Y	Y	Y	Y	Y	Zero Discharge-Closed, equipment sold
SeaPort Sound Terminal LLC	2628 Marine View Drive Northeast	40 CFR Part 437	424710	Y	Y	N	Y	N	Previously Targa Sound Terminals
Two Ravens, LLC	2502 Commerce Street	40 CFR Part 464	331525	Y	Y	Y	Y	Y	Zero Discharge
Caraustar Mill Group	808 East 26th Street	40 CFR Part 430	2631	Y	Y	Y	Y	Y	
Darling International	2045 Marc Street	40 CFR Part 432	2077	Y	Y	Y	Y	Y	
Emerald Services, Inc.	1825 Alexander Avenue	40 CFR Part 437	562211	Y	Y	Y	Y	Y	Contact Stormwater
Sea-Tac Inflite Services	5215 South Tacoma Way	Flow	7218	Y	Y	Y	Y	Y	Permit Renewed in 2019
Ecotex - Healthcare Laundry	1115 East 25th Street	Flow	812331	Y	Y	Y	Y	Y	
Evergreen America Corporation	4015 SR 509 North Frontage Road	Designated SIU	488320	Y	Y	Y	Y	Y	
Federal Way Radiator (Pierce Co Permit)	8116 Pacific Highway East (Fife)	Designated SIU	811118	Y	Y	Y	Y	Y	Pierce County Permit, Zero Discharge
Foss Landing Marina	1940 East D Street	Designated SIU	4493	Y	Y	N	N	N	Permit Renewed in 2019
Jones Chemical	1919 Marine View Drive	Designated SIU	325180	Y	Y	Y	Y	Y	Zero Discharge
LRI (Pierce County Recycling, Disposal & Composting)	17925 Meridian Street East	Flow	562212	Y	Y	N	N	N	Permit Renewed in 2019
City of Milton Decant Facility	714 Kent Street	Designated SIU	2211	Y	Y	Y	Y	Y	Permit issued April 1, 2019 Joint w/ Pierce County
Motive Power Marine	401 E Alexander Ave	Designated SIU	336611, 238320, 332813	Y	Y	Y	Y	Y	Permit issued January 30, 2019
Northstar Chemical	1919 Marine View Drive	Designated SIU	424690	Y	Y	Y	Y	Y	
Orion Marine Contractors, Inc	1851 Taylor Way	Designated SIU	237990	Y	Y	Y	Y	Y	
Pacific Container Corporation	4101 South 56th Street	Designated SIU	322212	Y	Y	Y	Y	Y	Permit Renewed in 2019
Pacific Northwest Terminals	1749 Marine View Drive	Flow	424990, 423190	Y	Y	Y	Y	Y	
Performance Radiator	2667 South Tacoma Way	Designated SIU	811118	Y	Y	Y	Y	Y	Zero Discharge
Port of Tacoma/Maintenance	802 Port Center Road	Designated SIU	4491	Y	Y	Y	Y	Y	
Puget Sound Energy	2200 East River Street	Designated SIU	4953	Y	Y	Y	Y	Y	
Superior Linen	1012 Center Street	Flow	7213	Y	Y	Y	Y	Y	
Tomlinson Linen	2902 South 12th Street	Flow	812331	Y	Y	Y	Y	Y	
Tacoma Truck Wash	1820 Portland Avenue	Designated SIU	811192	Y	Y	Y	Y	Y	
Tacoma Public Utilities Decant Facility	4102 South 74th Street	Designated SIU	2211	Y	Y	Y	Y	Y	
Truck Rail Handling	457 East 18th Street	Designated SIU	484220, 488210	Y	Y	Y	Y	Y	
WCI dba Murrey's Disposal	4822 70th Ave East (Fife)	Designated SIU	562111	Y	Y	Y	Y	Y	
WSDOT/CH2M Hill (Lilyblad site remediation)	2244 Port of Tacoma Road	Designated SIU	541380	Y	Y	Y	Y	Y	Permit Renewed in 2019

Table 6-2 (Form 7)
Significant Industrial User Compliance Summary

Industrial User	Permit Dates		Reporting Frequency	Monitoring Frequency		In Compliance (Y/N)	SNC (Y/N, 1-5)*	Compliance Issues/Comments: Limit Violations, List Pollutant and Numerical Limit. F=Federal;
	Issued	Expiration		POTW	Industry (Self)			
Bradken-Atlas Foundry (formerly Atlas)	8/14/2019	8/13/2024	Semi-Annual	Semi-Annual (P)	Each Batch (S)	Y	N	
Burlington Environmental, LLC (Stericycle)	4/1/2017	3/31/2022	Monthly	Semi-Annual (P)	Each Batch (S)	Y	N	NOV - Unapproved Batch Discharge
Caraustar Mill Group	12/1/2017	11/30/2022	Semi-Annual	Quarterly (P)	Continuous (S)	Y	N	
Darling International	9/14/2017	9/13/2022	Quarterly	Monthly (P)	Continuous (S)	Y	N	Notice of Violation - L-TSS (500mg/L), Failure to Properly Operate \$8,000. Notice of Violation - L-TSS (500mg/L), L-HEM (300mg/L), Late Report
Delta Camshaft	6/2/2016	6/1/2021	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	Warning Letter - Late Report
Ecotex Healthcare Laundry	10/7/2016	10/6/2021	Quarterly	Quarterly (P)	Weekly (S)	Y	N	
Edman Company	9/13/2015	9/12/2020	Monthly	Semi-Annual (P)	Monthly (S)	Y	N	
Emerald Services, Inc.	12/31/2013	12/30/2018	Monthly	Semi-Annual (P)	Monthly (S)	Y	N	
Evergreen America Corporation	8/31/2015	8/30/2020	Monthly	Semi-Annual (P)	Monthly (S)	Y	N	Warning Letter - SGT-HEM Exceedance
Federal Way Radiator (Pierce Co Permit)	10/31/2016	10/31/2021	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	
Fibro Corporation	5/17/2018	6/16/2023	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	
Foss Landing Marina	1/29/2014	1/28/2019	Quarterly	Semi-Annual (P)	Quarterly (S)	Y	N	
Gardner-Fields Company, LLC	6/1/2016	5/31/2021	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	
Heritage-Crystal Clean	3/3/2019	3/3/2024	Quarterly	Quarterly (P)	Each Batch (S)	Y	N	
Innovative Repairs, LLC	8/3/2015	8/2/2020	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	
Jones Chemical	11/14/2017	11/13/2022	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	Permit Renewed
LRI (Pierce County Recycling, Disposal & Composting)	7/31/2019	7/30/2024	Monthly	Twice Per Month (P)	Not Required	Y	N	Warning Letter - L-Cr (1.0 mg/L). Notice of Violation -L-As (.23 mg/L) , L- Cr (1.0 mg/L)
City of Milton Decant Facility	4/1/2019	3/31/2024	Monthly	Semi-Annual (P)	Semi-Annual (S)	Y	N	First Discharge did not occur until January 2020
Motive Power Marine	1/30/2019	1/29/2024	Quarterly	Semi-Annual (P)	Quarterly (S)	Y	N	Warning Letter Failure to sample for fourth quarter
Northstar Chemical	6/1/2015	5/31/2020	Quarterly	Semi-Annual (P)	Each Batch (S)	Y	N	
Northwest Etch Technologies	10/16/2015	10/15/2020	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	
Orion Marine Contractors, Inc	5/12/2017	5/11/2022	Quarterly	Semi-Annual (P)	Quarterly (S)	Y	N	Warning Letter - Late Report
Pabco Roofing Products	7/1/2015	6/30/2020	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	Permit Modified 2018
Pacific Container Corporation	6/2/2019	6/2/2024	Quarterly	Semi-Annual (P)	Quarterly (S)	Y	N	
Pacific Northwest Terminals	2/1/2016	2/1/2021	Quarterly	Quarterly (P)	Quarterly (S)	Y	N	
Performance Radiator	5/1/2017	4/30/2022	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	
Petroleum Reclaiming Services (PRS)	4/1/2015	3/31/2020	Monthly	Quarterly (P)	Each Batch (S)	Y	N	
PM Testing Labs	6/30/2019	6/29/2024	Quarterly	Semi-Annual (P)	Quarterly (S)	Y	N	
Port of Tacoma Maintenance	10/1/2018	9/30/2023	Quarterly	Semi-Annual (P)	Quarterly (S)	Y	N	Warning Letter - Late Report
Powder Coating Systems	10/22/2017	10/21/2022	Quarterly	Semi-Annual (P)	Monthly (S)	Y	N	Notice of Violation - Failure to Monitor, \$3,000. Warning Letter - incomplete / Late Report
Puget Sound Energy	4/11/2017	4/10/2022	Quarterly	Semi-Annually (P)	Quarterly (S)	Y	N	
Rainier Ballistics	3/29/2015	3/28/2020	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	
Sea-Tac Inflight Services	5/19/2019	5/18/2024	Quarterly	Semi-Annual (P)	Weekly (S)	Y	N	
SeaPort Sound Terminal LLC	6/1/2016	5/31/2021	Monthly	Semi-Annual (P)	Monthly (S)	Y	N	Previously Targa Sound Terminal
Superior Linen	3/18/2018	3/17/2023	Semi-Annual	Semi-Annual (P)	Semi-Annual (S)	Y	N	
Tacoma Public Utilities Decant Facility	9/14/2018	9/13/2023	Monthly	Semi-Annual (P)	Each Batch (S)	Y	N	
Tacoma Truck Wash	1/1/2018	12/31/2022	Monthly	Quarterly (P)	Monthly (S)	Y	N	Notice of Violation -L-Zn (2.0mg/L) \$500.
Tomlinson Linen	5/1/2018	4/30/2023	Semi-Annual	Semi-Annual (P)	Semi-Annual (S)	Y	N	
Truck Rail Handling	6/24/2015	6/23/2020	Semi-Annual	Semi-Annual (P)	Each Batch (S)	Y	N	
Two Ravens, LLC	1/1/2016	12/31/2020	Semi-Annual	None - No Discharge	None - No Discharge	Y	N	
WCI dba Murrey's Disposal	11/6/2015	11/5/2020	Quarterly	Semi-Annual (P)	Quarterly (S)	Y	N	Warning Letter 10/7/2019-Zn 2.5 mg/L sample w/ 2.0 mg/L limit
WSDOT/CH2M Hill (Lilyblad site remediation)	8/17/2019	8/16/2024	Semi-Annual	Semi-Annual (P)	Semi-Annual (S)	Y	N	

*SNC Categories
1 - Wastewater Discharge Limits
2 - Compliance Schedule Milestones

3 - Failure to Provide Reports
4 - Failure to Accurately Report Noncompliance
5 - Other Significant Violations

Table 6-3
SADs

SAD ID	Company	Contact	Location	Discharge Type	Discharge Update			Comments	Enforcement
					Date Started	Projected Stop date	Date Completed		
19-001	Atkinson Construction	Phil Larson	I5 corridor (southbound HOV	Sanitary	2/6/2019	Jul-22		Contaminated Ground and/or Surface Water	
19-002	US Oil & refining	Brady Winder	Linear pipeline project	Sanitary	2/25/2019	Mar-20		Contaminated Ground and/or Surface Water	
19-003	Absher Construction	Jed Helle	2120 South Jefferson	Sanitary	3/20/2019		5/19/2019	Contaminated Ground and/or Surface Water	
19-004	Atkinson Construction	Jim Zusy	Puyallup Ave viaduct area	Sanitary	3/11/2018		6/5/2019	Contaminated Ground and/or Surface Water	
19-005	Northwest Cascade	Clint Meyers	6722 20th street East	Sanitary	4/8/2019		5/19/2019	Contaminated Ground and/or Surface Water	
19-006	Goodfellow Brothers	Adrian Marlow	Fife	Sanitary	7/3/2019		11/1/2019	Contaminated Ground and/or Surface Water	
19-007	Lakeview Pro Wash	Jacob Daley	2727 East D Street	Sanitary	8/6/2019		10/1/2019	Tacoma Dome roof wash water	
19-008	Saybr Contractors	Jim Shine	Fife 3309 Pacific Hwy East	Sanitary	9/16/2019		12/10/2019	Contaminated Ground and/or Surface Water	
19-009	WRS (PSE LNG Renewal)	Dale Monoe	1001 Alexander Ave	Sanitary	9/20/2019	Dec-20		Contaminated Ground and/or Surface Water	
19-010	BSD Investments (Tanker Rollover)	William Kennelly	Near 20th Avenue Fife	Sanitary	6/28/2018	Jun-20		Contaminated Ground Water	
18-015	Love's Travel Stop and Country Store	Michael Key	1501 Port of Tacoma Road	Sanitary	9/7/2018		11/1/2019	Contaminated Ground and/or Surface Water	
18-017	The Walsh Group	Kenn Hallquist	824 East 25th Street	Sanitary	10/17/2018		10/17/2019	Contaminated Ground and/or Surface Water	
18-018	Port of Tacoma	Anita Fichthorn	1675 Lincoln Ave	Sanitary	12/17/2018		3/19/209	Contaminated Ground and/or Surface Water	

7.0 INDUSTRIAL COMPLIANCE AND ENFORCEMENT

During the 2019 reporting period, Wastewater Pretreatment Program staff performed inspections, monitoring, and permitting activities in accordance with Order No. DE 94WA-S358. WDOE delegated pretreatment program authority to the City of Tacoma in 1984.

7.1 INDUSTRIAL INSPECTIONS AND MONITORING EFFORTS

During 2019, City staff conducted one to four compliance inspections for each permitted industry. The exception to this is the City collected five samples from the LRI discharge. The City is conducting all monitoring of this discharge as stated in their Industrial Wastewater Discharge Permit. The most common sample event is a one-day batch discharge sample event or a one-day composite sample event.

Inspectors conducted 70 formal inspections on 41 permitted significant industrial users (SIUs) including 11 industries with zero discharge permits. Additionally, staff conducted 107 sampling events for permitted SIU's and performed selected sampling of other dischargers. A summary of the permitted industrial user self-monitoring sampling results can be found in the Form 8s in Appendix C. The industrial user monitoring schedule for 2019 and the proposed sampling for 2019 can be found in Table 7-1.

7.2 GENERAL INSPECTIONS

In 2019, 577 general business inspections were conducted under the stormwater and sanitary sewer Source Control Program. In response to complaints and reports from citizens, other regulatory agencies, and City employees, Environmental Compliance staff responded to 513 reports of spills, illegal dumping, and complaints of unusual color, odor, or sheen in the municipal sewer system.

EC staff performed inspections of 182 oil/water separators and grease devices discharging to the wastewater system during 2019. Additionally, EC staff conducted joint inspections with other entities such as the City of Tacoma Solid Waste Division, the City of Tacoma Planning and Development Services' Code Compliance, Tacoma-Pierce County Health Department and WDOE when common issues were identified. Technical support for WDOE and Environmental Protection Agency investigations was provided as needed.

EC staff rotates after-hour and weekend emergency response duties for events such as sanitary sewer overflows, oil or chemical spills, and sewage backups using a call-forwarding system from (253) 502-2222 for 24-hour coverage for spills and complaints.

7.3 INTER-LOCAL AGREEMENT INSPECTIONS

During 2019, EC staff conducted door-to-door business inspections in the neighboring inter-local agreement jurisdiction of Fife. These visits included the inspection of pretreatment devices, water used in manufacturing/industrial activities, and any other discharges which may fall under federally regulated categories. The inter-local agreement also states that Fife and Tacoma shall work cooperatively together to ensure users meet the requirements of TMC, Chapter 12.08 Wastewater and Surface Management Regulations and Rates.

7.4 ENFORCEMENT ACTIVITY – SIGNIFICANT NON-COMPLIANCE

During 2019, no industries were found to be in Significant Non-Compliance (SNC) as defined by federal regulation 40 CFR Part 403 and local ordinance TMC, Chapter 12.08. Other SIU compliance issues can be found in Table 6-2.

7.5 STAFFING AND TRAINING

In 2019, EC staff consisted of six Senior Source Control Representatives and five Source Control Representatives conducting pretreatment and general inspections, complaint investigations, and follow-up actions within the areas of Tacoma and Fife. This work included the City's grease management efforts, oil/water separator inspection program, management of Special Approved Discharges, the Septage Hauler Program, Dental Program, and the Mobile Washer Program.

Assistant Division Manager - Kurt Fremont and Senior Environmental Specialist - Jason Yost, managed day to day program activities.

To stay current with existing and proposed regulations, in 2019 EC staff participated in and/or conducted the following:

- Participated in work groups organized by the King County-Metro Interagency Regulatory Advisory Council (IRAC) and Pierce County Interagency Compliance Team (PICT)
- Continued communications with other regulatory agencies such as the Tacoma Fire Department, Tacoma Pierce County Health Department, and WDOE
- Continued to work on the mandatory Ken Kerri Pretreatment Facility Inspection Course
- Attended Texas Environmental Law Enforcement Association Conference, April 1st thru April 4th, in Bandera, TX
- Attended the Region 8 Pretreatment Conference, April 29th thru May 3rd in Bismarck, ND
- Attended the National Association of Clean Water Agencies National Pretreatment and Pollution Prevention Workshop, May 13th thru 17th in Tacoma, WA
- Attended Western States Project Introduction to Environmental Crimes Enforcement Course, September 3rd thru 16th in San Diego, CA
- Attended EnfoTech, iPACs training, September 11th thru 13th, in North Brunswick, NJ
- Attended the Pacific Northwest Pretreatment Workshop, September 19th thru September 11th in Vancouver, WA
- Attended the Regional Environmental Enforcement Associations, Advanced Environmental Crimes Training (AECT), October 15th thru the 24th, in San Luis Obispo, CA

Table 7-1 (Form 9)
Industrial User Monitoring Schedule

Industrial User	Sampling Frequency				Self Monitoring Comparison (Y/N)	Inspection Frequency		Comments
	POTW		Self Monitoring			2019	2020 Planned	
	2019	2020 Planned	2019	2020 Planned				
Bradken-Atlas Foundry (formerly Atlas)	0	4	0	Batch	Y	2	2	No discharges in 2019
Burlington Environmental, LLC (Stericycle)	4	4	28	Batch	Y	2	2	Batch
Caraustar Mill Group	3	4	0	0	Y	2	2	Continuous Monitoring for Flow
City of Milton - Decant Facility	0	2	0	2	Y	0	2	New Permit, 1st discharge in 2020
Darling International	39	36	46	12	Y	2	2	
Delta Camshaft	0	0	0	0	N	1	1	Zero Discharge
Ecotex Healthcare Laundry	3	0	67	0	Y	2	2	Permit Closed January 2020
Edman Company	2	2	10	12	Y	2	2	
Emerald Services, Inc.	2	2	7	Batch	Y	2	2	Batch
Evergreen America Corporation	2	2	12	12	Y	2	2	
Federal Way Radiator (Pierce Co Permit)	0	0	0	0	N	1	1	Zero Discharge
Fibro Corporation	0	0	0	0	N	1	1	Zero discharge
Foss Landing Marina	2	2	4	4	Y	2	2	
Gardner-Fields Company, LLC	0	0	0	0	N	1	2	Zero Discharge
Heritage-Crystal Clean	2	2	18	Batch	Y	3	2	Batch
Innovative Repairs, LLC	0	0	0	0	N	1	1	Zero Discharge
Jones Chemical	0	0	0	0	N	1	1	Zero Discharge
LRI (Pierce County Recycling, Disposal & Composting)	5	4	0	0	N	2	2	City Conducting all Monitoring
Motive Power Marine	1	2	3	4	Y	2	2	
Northstar Chemical	2	2	13	10	Y	2	2	Batch
Northwest Etch Technologies	0	0	0	0	N	1	1	Zero Discharge
Orion Marine Contractors, Inc	0	2	0	4	Y	2	2	Infrequent Discharger
Pabco Building Products	0	0	0	0	N	1	1	Zero Discharge - Permit modified and dropped wash pad sampling
Pacific Container Corporation	2	2	4	4	Y	2	2	Batch Discharge with Quarterly Sampling
Pacific Northwest Terminals	4	4	11	Batch	Y	2	2	Batch Discharge
Performance Radiator	0	0	0	0	N	1	1	Zero Discharge
Petroleum Reclaiming Services (PRS)	2	2	124	Batch	Y	2	2	Batch
PM Testing	2	2	4	4	Y	2	2	
Port of Tacoma Maintenance Shop	2	2	4	4	Y	2	2	
Powder Coating Systems	2	2	14	4	Y	2	2	
Puget Sound Energy	2	2	4	4	Y	2	2	
Rainier Ballistics	0	0	0	0	N	1	1	Zero Discharge
Sea-Tac Inflight Services	2	2	54	52	Y	2	2	
Superior Linen	2	2	2	2	Y	2	2	
SeaPort Sound Terminal LLC	2	2	2	12	Y	2	2	Previously Targa Sound Terminal
Tacoma Public Utilities Decant Facility	2	2	15	Batch	Y	2	2	
Tomlinson Linen	2	2	2	2	Y	2	2	
Truck Rail Handling	6	2	6	Batch	Y	2	2	
Two Ravens, LLC	0	0	0	0	N	1	1	Zero Discharge
WCI dba Murrey's Disposal	2	2	4	4	Y	2	2	
Tacoma Truck Wash	4	4	16	4	Y	2	2	
WSDOT/CH2M Hill (Lilyblad site remediation)	1	2	1	2	Y	2	2	

Table 7-2 (Form 10)
Industrial User Enforcement Activities

Industrial User	Call	Meetings	Letter	Notice	Penalties	SNC	Back in Compliance	Other/Comments (including public notice)
Sea-Tac Inflite Services	2							
Bradken-Atlas Foundry	3							
Burlington Environmental (Stericycle)	3	1		1 pending			Yes	Notice of Violation (in process) - unapproved batch discharge
Caraustar Mill Group	1							
City of Milton - decant facility								
Darling International	Several	Several		2	\$13,000		Yes	April - Notice of Violation, \$8,000, TSS and Failure to Properly Operate, June - Notice of Violation, \$5,000, HEM, TSS Late Report
Delta Camshaft	1		1					Warning Letter - Late Report
Ecotex Healthcare Laundry	1							
Edman Company								
Emerald Services, Inc.								
Evergreen America Corporation	1		1				Yes	Warning Letter - SGT-HEM Exceedance, Late Notification of Non-compliance
Federal Way Radiator (Pierce Co Permit)								
Foss Landing Marina	2							
Gardner-Fields Company, LLC								
Heritage-Crystal Clean	4	2						
Innovative Repairs, LLC								
Jones Chemical								
KIK Tacoma								Permit Closed 2017
LRI (Pierce County Recycling, Disposal & Composting)	Several	2	1	1			Yes	July -Warning Letter, Chromium. November - Notice of Violation, Arsenic and Chromium
Motive Power Marine	Several	2	1				Yes	Warning Letter - Failure to sample (fourth quarter)
Northstar Chemical	5							
Northwest Etch Technologies								
Orion Marine Contractors, Inc	1		1				Yes	Warning Letter - Late Report
Pabco Roofing Products								
Pacific Container Corporation	2							
Pacific Northwest Terminals								
Performance Radiator	2							
Petroleum Reclaiming Services (PRS)	1		1					Warning Letter - Failure to Properly Monitor and Report Free Cyanide
Phoenix Environmental Services								See Heritage Crystal Clean
PM Testing								
Port of Tacoma Maintenance Shop	1		1					Second Quarter - Warning Letter, Late Report
Powder Coating Systems	Several	Several	1	1	\$3,000		Yes	February - Notice of Violation, \$3,000, Failure to Monitor. Fourth Quarter - Warning Letter, Incomplete / Late Report
Puget Sound Energy								
Rainier Ballistics	4							Going out of business, equipment and inventory sold
SeaPort Sound Terminals LLC								
Superior Linen								
Tacoma Public Utilities - Decant Facility								
Targa Sound, Inc.								See SeaPort Sound Terminals LLC (name change)
FibroCorp								
Tomlinson Linen Service								
Truck Rail Handling								
Two Ravens, LLC								
Tacoma Truck Wash	Several	Several		1	\$500			January - Notice of Violation, \$500, Zinc
WCI dba Murrey's Disposal	5	1	1				Y	Warning Letter, Zinc exceedance
WSDOT/CH2M Hill (Lilyblad site remediation)	1	1	1					Fourth Quarter - Warning Letter, Late / Incomplete Report

8.0 SPECIAL PROJECTS AND PROGRAM DEVELOPMENT

Environmental Services and Environmental Compliance staff continued their commitment to providing technical assistance and public education through special projects, public outreach, and Wastewater Pretreatment Program development. The Wastewater Pretreatment Program intends to continue on-going projects and continuously looks for new ways to improve. The following projects, outreach, and program enhancements took place or continued during this reporting period.

8.1 PUBLIC OUTREACH

Environmental Services has an annual partnership with a Tacoma-based MLB AAA baseball club, the Tacoma Rainiers, as a major communication medium. Through this outlet alone, both wastewater and surface water educational messaging is shared with approximately 355,000 fans per season.

In 2019, a full-page, TAGRO advertisement ran in the team program, "The Dirt," for games between April 9th – August 25th, reaching a total of 355,937 fans throughout the season.

Environmental Services received four title sponsorships throughout the season, which allowed the wastewater utility an additional advertisement placement at the top of the scorecard pages reminding fans that TAGRO delivers and encouraging fans to "give your lawn and garden a head start with TAGRO". There were a total of 15,768 fans in attendance when these four title sponsorships ran.

On June 30, 2019, the Environmental Services Department had a community outreach table on the concourse for the K9 Innings game, to share with fans how wastewater and stormwater are separated in Tacoma. There were 6,025 fans in attendance on that day.

During the 2019 season, the following message was broadcast 140 times on South Sound Sports radio, 850 AM:

"The City of Tacoma reminds you that what goes down storm drains flows directly into our local lakes, streams, and Puget Sound. To make Puget Sound healthy and safe for your family and pets, wash cars on the lawn or at a commercial car wash, pick up after your dog, bag it, and place it in the trash, use compost or TAGRO instead of fertilizer on your lawn, and fix your car's oil leaks right away. Join the team and do your part to protect Puget Sound. Learn more at pugetsoundstartshere.org."

Another source of communication with our customers is a tri-annual EnviroTalk print publication that is mailed to approximately 56,000 single-family residences, and is available online to everyone. The publication contains important information about wastewater programs and services, along with other department-wide resources. There is often messaging regarding the need to keep storm drains clear, reminding customers not to flush wipes, or resources about wastewater in Tacoma. The publication often includes TAGRO advertisements, and other wastewater related print ads.

Environmental Services has an official Facebook page, which is used as a means of reaching more customers and more efficiently communicating about our programs and services. This tool also allows for translation of messages into languages of the audience's choice. During 2019, 39 Facebook posts were specifically targeted to wastewater messaging. The posts provided

pertinent tips and information to customers and many linked back to City or partner websites for more information. As of February 2020, the page has 2,665 followers and 2,524 “likes”. While the audience reach varies per post, the largest number of views that a single post received in 2019 was 48,521 for a solid waste-related post (the largest audience reach for a wastewater-specific post was 8,581). Depending on topic relevancy, ES posts are sometimes shared to the City of Tacoma’s Facebook page, which has 16,483 followers. Below are summaries of the 2019 wastewater posts shared on the ES page:

Date Posted	Post Topic
January 18	Transmission team inspecting and cleaning wastewater systems
January 26	TAGRO at the Tacoma Home and Garden Show
February 21	Don’t flush medications down the toilet – takebackyourmeds.org
March 1	TAGRO presentations
March 22	Grease clogs drains reminder – cityoftacoma.org/grease
April 26	TAGRO general promotion
May 9	Don’t flush anything but toilet paper – cityoftacoma.org/wastewater
May 15	TAGRO promoted post
May 20	Don’t flush medications down the toilet – takebackyourmeds.org
May 23	CTP video tour
May 24	TAGRO general promotion
May 29	We’re hiring! General ES post mentioning wastewater positions
May 31	TAGRO closed due to low supply
June 3	Where does the water go? Wastewater treatment plant
June 4	TAGRO closed due to low supply
June 13	TAGRO general post
June 19	TAGRO regular business hours will resume on July 8
July 8	TAGRO open for business
July 21	TAGRO general post
July 23	TAGRO black bark promotion
July 29	We’re hiring! Collections system technician posting
August 1	TAGRO summer hours
August 6	Dispose of leftover cooking grease cityoftacoma.org/grease
August 10	Don’t flush medications down the toilet – takebackyourmeds.org

August 31	TAGRO general promotion
September 1	Where does the water go? Wastewater treatment plant
September 6	Don't flush medications down the toilet – takebackyourmeds.org
October 14	Garbage disposals and food grinders / TAGRO promotion
October 16	CTP capital project 2021
October 18	Wellspring conference promotion (water quality tie-in)
October 22	Wellspring conference promotion (water quality tie-in)
October 23	Brown and Haley honeybee project
November 8	Don't flush medications down the toilet – takebackyourmeds.org
November 21	Thanksgiving meals, no grease down the drain reminder
November 28	Post-holiday food scraps, food grinder reminder / TAGRO
December 8	Brown and Haley Tacoma Report segment
December 20	Flooding, inclement weather, sandbag pick-up reminder
December 20	No cooking grease down the drain reminder
December 23	No cooking grease down the drain reminder

Environmental Compliance Staff also provided an introductory level class on the history of the Surface Water, Wastewater, and Pretreatment Programs in the City of Tacoma to University of Washington, Tacoma students.

Additionally, ES Staff provided outreach and education regarding the dental rule and resulting regulatory requirements for dental facilities.

8.2 TECHNICAL PLAN REVIEW

Environmental Compliance and staff from Environmental Services, Science and Engineering Division provided technical reviews for pretreatment systems that applicants or businesses submitted under a building permit or Industrial Wastewater Discharge Permit application. Staff ensured that the engineering reports, plans, specifications, and operations and maintenance manuals conformed to WAC 173-240 for industrial wastewater treatment facilities. During 2019, EC staff provided technical review assistance for projects with potential pretreatment issues proposed in the City and in inter-local agreement areas.

8.3 GREASE PROGRAM

Environmental Compliance staff administers the City's grease management program. This program includes the engineering review of new and existing food service establishments for properly sized grease retention devices and the inspection of those devices for proper operation and maintenance. The City is a member of the APWA Pre-FOG Committee, whose mission is to

continue development of regional approaches for the reduction, elimination, and prevention of Fats, Oils, and Grease (FOG).

The vision of the Pre-FOG Committee is to become the regional leader in developing partnerships with vendors, other regional organizations, and the regulated community. These partnerships contribute to the reduction and elimination of FOG-related conveyance system disruptions, and to the development of alternative uses for FOG-related wastestreams.

City staff also provides representation on the Advisory Board for the Western States Alliance, a multi-state organization comprised of the regulatory community. These partnerships contribute to the reduction and elimination of FOG-related conveyance system disruptions and to the development of alternative uses for FOG-related waste streams.

Other steps taken in the grease management program include the following:

- The Environmental Services, Operations and Maintenance Division, Sewer Transmission evaluates grease build-up throughout the municipal conveyance system, based on routine maintenance and complaints, and adjusts maintenance schedules accordingly. During 2019, EC staff continued to focus restaurant inspection efforts on areas in the City exhibiting historical issues with excessive grease in the collection system.
- During 2019, EC staff continued the pilot project started in 2014 of an online grease device maintenance tracking system. This system is designed to track maintenance activities of private grease devices throughout the City and to guide source control inspections of facilities exhibiting maintenance issues.
- Staff provides our inter-local agreement areas a weekly list of sites that have grease removal devices, which have failed inspection criteria (reported by cleaning contractors), so enforcement actions can be taken by those municipalities.

8.4 ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

In 2019, Environmental Compliance continued to work closely with the Central Treatment Plant Operations section (Operations) to assist with determining possible sources of unusual wastewater characteristics found in the influent/treatment process and, when necessary, sought to identify sources that could impact plant operations.

During 2019:

- Pump Station 4101 was impacted with an excessive amount of a floating solid matter on multiple occasions. Source Control staff traced the solids to one of its permitted industries and worked with that industry to abate the problem.
- EC staff completed two sampling events where we sampled the four influent trunk lines to the North End Treatment plant for Bis (2-ethylhexyl) phthalate (DEHP). Discreet samplers were placed in each trunk line and set to perform sampling over 24 hr.

The results were consistent to those taken in 2018. The trunk lines that were strictly residential had significantly higher DEHP levels than the lines whose contributors were both residential and commercial/industrial. Additional research has shown that the ratio of phthalates in both surface water and wastewater is significantly higher in residential

areas as opposed to commercial/industrial areas. The process water from commercial/industrial businesses dilutes the residential inputs. This is why we are seeing a much higher DEHP contribution to the NETP vs. CTP.

- Beginning in October 2019, CTP Operations requested that EC staff sample the influent trunks into the plant. The plant is experiencing issues due to an excess of acidic bacteria within the plant. EC staff will sample weekly (until October 2020). The sampling will be looking for sources of volatile acids as well as HEM (food for the bacteria.)

8.5 SEWER CONSERVATION LOAN PROGRAM

In 2018, EC staff took over administering the City's Sewer Conservation Loan Program. In 2019, multiple customers were counseled and 45 loans were completed; \$389,701.29 was loaned out for septic system abandonment and side sewer replacement. Eligible loan projects include abandoning failed septic systems, replacing failed side sewers, replacing industrial pretreatment equipment and/or stormwater treatment or detention devices.

8.6 PRETREATMENT INFORMATION MANAGEMENT SYSTEM (PIMS)

During 2019, the City continued implementation of a PIMS from enfoTech. The City and enfoTech continue work to configure the system to meet the City's programmatic needs. On October 1, 2018, the City went live, with the new Pretreatment Information Management System (iPACs) managing all site, permit, inspection, monitoring, self-monitoring, compliance, and reporting information for the Pretreatment Program. Due to challenges managing the data, migration impacts, and bugs with the system the City continues to work with the developer to address issues and in 2019 was not able to fully utilize the system as designed.

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9.0 PROGRAM FUNDING

The Environmental Services Department operates as a utility, covering operations and maintenance for stormwater, wastewater, and solid waste activities in the City. Wastewater Pretreatment Program activity is driven by the need to protect the wastewater collection and treatment system and ensure a viable biosolids utilization program. The majority of funds to operate the Wastewater Pretreatment Program are obtained from user fees developed to recover wastewater treatment utility costs. Wastewater utility rates are based on a nearly equal split between flow, biochemical oxygen demand, and total suspended solids concentrations. Permitted industries share the cost of program administration by paying annual permit fees ranging from \$480 to \$700 depending upon permit type, and fees for SAD permit fees ranging from \$200 to \$650, depending upon the discharge volume. No funds come from local taxes or general government fund.

Funding for the Wastewater Pretreatment Program is allocated from direct operating revenues from wastewater collection fees.

The expenses attributable to the Wastewater Pretreatment Program are based on the portion of an individual's time spent on pretreatment activities, expenditures for supplies and equipment, and overhead for office and storage facilities. In 2019, the amount attributable to wastewater source control/pretreatment was approximately \$1,562,726 (Table 9-1).

9.1 PERSONNEL

An estimated 11 full-time equivalent positions devote their time to the Wastewater Pretreatment Program including a Senior Environmental Specialist and five Senior Source Control Representatives. These positions, led by the Senior Environmental Specialist, write and monitor Industrial Wastewater Permits, perform sampling events and inspections at permitted industries, are responsible for permit enforcement actions, implement the Industrial User Survey Program to identify potential industrial users and assist with program development activities.

Five additional Source Control Representatives conduct general business inspections, addressing discharges to both the wastewater and stormwater collections systems. Approximately 50% of their time is spent on sanitary pretreatment issues and when potential SIUs are identified, the Wastewater Pretreatment Program follows up. Two Senior Source Control Representatives manage the Special Approved Discharges (SAD) Program.

Additional Environmental Services Divisions, such as Science and Engineering Division, and Operations and Maintenance Division staff time can be directly allocated to assist with the Wastewater Pretreatment Program. Other City departments, including the City Attorney's Office and Planning and Development Services, may also assist when necessary.

9.2 EQUIPMENT

City staff utilize desktop and notebook computers to document observations in reports, write permits and correspondence, and track monitoring data of industrial users. EC staff utilize laptop computers with wireless cards or hotspots to update the City's inspection and complaints/spills database from the field.

The Wastewater Pretreatment Program also use cameras, miscellaneous sampling equipment, dye-testing material, smoke generating machines, and field test kits for screening purposes.

Equipment necessary for sampling is obtained from the Environmental Services Laboratory; however, additional sampling equipment may be obtained during the reporting period on an 'as-needed' basis from other sources. Eleven vehicles are assigned to EC staff and all vehicles are equipped with safety devices such as cones, signs, and lights. Future equipment purchases will either replace existing equipment or supplement existing equipment, which is generally a function of need.

9.3 LABORATORY SERVICES

All EC sampling and analysis is performed by the Environmental Services Department. The Environmental Services Laboratory (EC Lab) is accredited by WDOE for all of the analyses they perform. They use a variety of sampling and analytical techniques to fulfill the requirements for the Wastewater Pretreatment Program and the Stormwater Management Program. Both manual techniques and automatic samplers are used to obtain samples for analysis. Manual sampling methods include stainless steel cups on ropes, COLIWASA waste samplers, Wheaton grab sampler, and drum thief samples. The EC Lab has 12 automatic field samplers, about half of which can be set-up for either composite or discrete sampling. The EC Lab maintains one van and one sampling truck for transporting equipment and samples.

Table 9-1
2019 Industrial Pretreatment Program Expense Summary

2019 Wastewater Pre-Treatment Program Costs

<u>Pre-Treatment Staff</u>		# of FTE	
Sr Env Specialist	138,196	0.7	96,737.43
Sr SCR	125,746	4.3	540,710
Env. Specialist	118,972	1	118,972
Sr. Env Specialist	138,186	1	138,186
Asst Division Manager	177,800	0.6	106,680
Admin Asst	91,912	0.5	45,956
SCR	115,164	2.5	287,911
Total Labor:		10.60	1,335,152.86
<u>Additional Operating Costs:</u>			
Supplies/Services/Overhead			227,573
Total Operating Costs:			\$ 227,573
Total Labor & Expenses:			\$ 1,562,726

523600 Y-T-D Actuals for 2019

Supplies (Sampling & Analysis Excluded)		19,525
Misc S&A-SC	2,285	
Sampling & Analysis -SC	3,168	
Sampling & Analysis -Compliance	3,168	
Sampling & Analysis - Billing	82,330	
Spills and Complaints	6,376	
ES Lab Svcs (Sampling & Analysis)	97,327	97,327
Services		52,869
Other Services		57,852
Overhead		-
		<hr/> 227,573
		55%

10.0 Program Modifications

There were no substantial program modifications conducted to the Wastewater Pretreatment Program during 2019. There were no non-substantial program modifications submitted to Ecology in 2019.

10.1 TACOMA MUNICIPAL CODE STREAMLINING CHANGES

In order to incorporate mandatory streamlining changes into the City's sewer use ordinance, Environmental Services made several changes during 2011 to TMC Chapter 12.08, Wastewater and Surface Water Management – Regulation and Rates. During 2019, no significant changes affecting the Wastewater Pretreatment Program were made to TMC Chapter 12.08, which can be found in Appendix D.

10.2 PRETREATMENT PROGRAM DOCUMENT UPDATE

The City's Program Document was last updated in 1993 and any program modifications were noted in the City's Pretreatment Annual Reports. During 2015 – 2017, the City began drafting a new Program Document. This draft document was submitted informally for review to Ecology on February 3, 2016, and included updates to the User Survey Program, the SAD Program, the FOG program, and addressed Tacoma's policies and procedures for accepting hauled wastes. The City is finalizing the Pretreatment Program Document for a 2020 substantial modification submittal.

10.3 UPCOMING YEAR: 2020

The Pretreatment Program's goal during 2020 is to finalize the new Pretreatment Program Document, Pretreatment Ordinance, and Local Limits for a 2020 substantial modification submittal to Ecology for approval. City staff will also develop an implementation plan outlining procedural changes needed to meet the intent of federal, state, and local regulations for all of the components of the new Pretreatment Program Document.

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11.0 2019 Performance Summary

The following is a summary of the City's Wastewater Pretreatment Program compliance and enforcement actions for both categorical and non-categorical SIUs during 2019.

11.1 SIGNIFICANT INDUSTRIAL USER (SIU) COMPLIANCE

Compliance Criteria	Categorical	Non-Categorical
Submitting BMRs / Number Required	0 / 0	0 / 0
Submitting 90-Day Compliance Reports / Number Required	0 / 0	0 / 0
Submitting Annual Reports / Number Required	0 / 0	0 / 0
Submitting Semi-Annual Reports / Number Required	9 / 9	7 / 7
Submitting Quarterly Reports / Number Required	4 / 4	12 / 12
Submitting Monthly Reports / Number Required	4 / 4	6 / 6
Meeting Compliance Schedule / Number Required	0 / 0	0 / 0
In Significant Noncompliance During the Reporting Period	0	0
Not Inspected or Sampled	0	0
In Significant Noncompliance with Standards and Reporting	0	0
In Significant Noncompliance with Self-Monitoring Violations	0	0
In Significant Noncompliance with Self-Monitoring and Not Inspected or Sampled	0	0
Currently in Significant Noncompliance / Total Number of SIUs	0 / 16	0 / 26

11.2 SIU COMPLIANCE MONITORING PROGRAM

Compliance Criteria	SIU and CIU
Without a Permit in 2019	0
Non-sampling Inspections Conducted	70
Sampling Visits Conducted	107
Facilities Sampled	31
Technical Basis for Limits (Yes / No)	Yes
Adoption of Technically Based Local Limits (Yes / No)	Yes

11.3 SIU ENFORCEMENT ACTIONS

Enforcement Criteria	Categorical	Non-Categorical
Compliance Schedules Issued / Schedules Required	0 / 0	0 / 0
2019 Notice of Violations Issued/Pending	2 / 1	4
Administrative Orders Issued	0	0
Civil Suits Filed	0	0
Significant Non-Compliance	0	0
Penalties Collected (Total Dollars / SIUs Assessed)	16,500/16,500	0
Cost Recovery Actions (Total Dollars / SIUs Assessed)	0	0

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12.0 References

Ecology 2009. National Pollutant Discharge Elimination System Waste Discharge Permit NO. WA0037214. State of Washington Department of Ecology. Issuance Date: June 4, 2009.

Ecology 2010. National Pollutant Discharge Elimination System Waste Discharge Permit NO. WA0037087. State of Washington Department of Ecology. Issuance Date: October 6, 2010.

EPA 1994. A Plain English Guide to Part 503 Biosolids Rule, Chapter 2. United States Environmental Protection Agency. September 1994.

EPA 2004-A. Local Limits Development Guidance Appendix A – List of Supplemental Documents: EPA 833-R-04-022B. United States Environmental Protection Agency. July 2004.

EPA 2004-B. Local Limits Development Guidance Appendix B – Industrial Categories with Pretreatment Standards: EPA 833-R-04-022B. United States Environmental Protection Agency. July 2004.

Knight, 2011. Guidance Manual for Performing an Industrial User Survey. Washington Department of Ecology, Olympia, WA. July 2011.

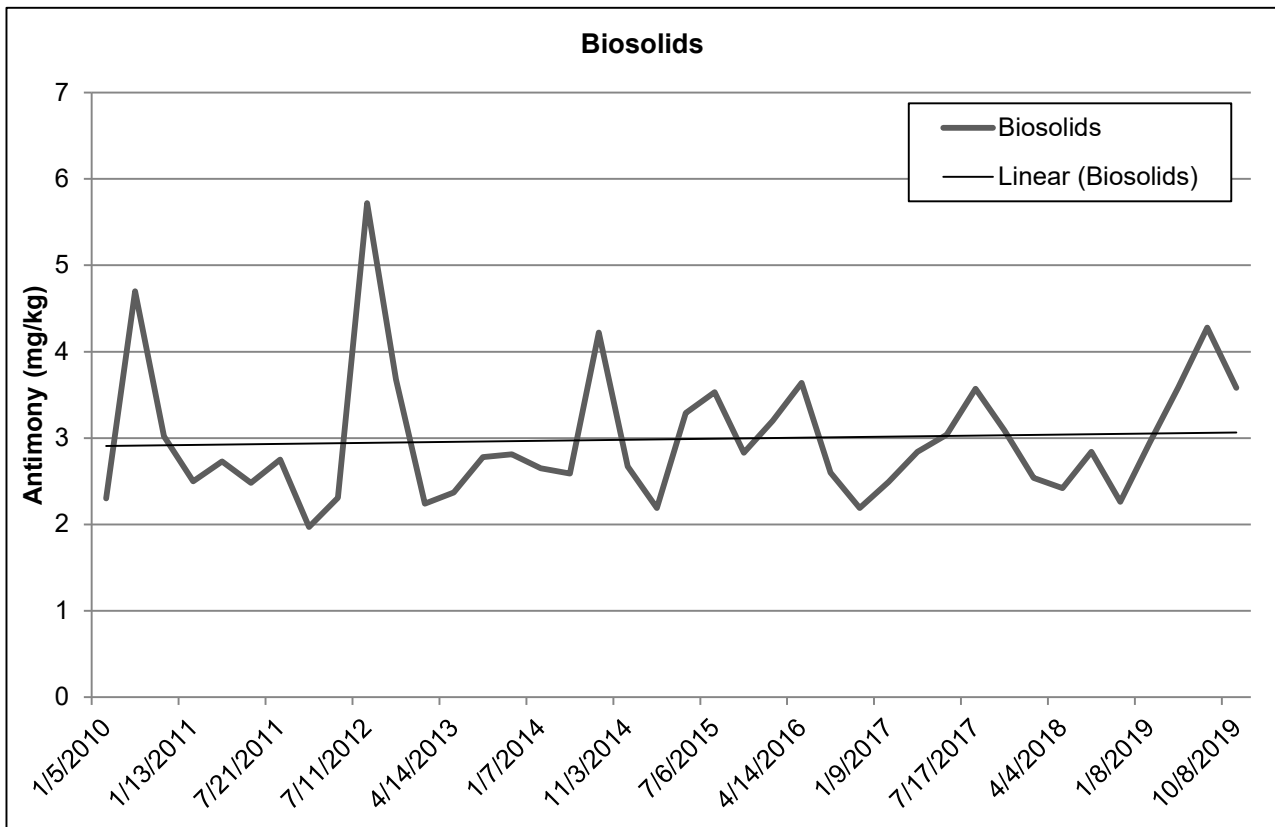
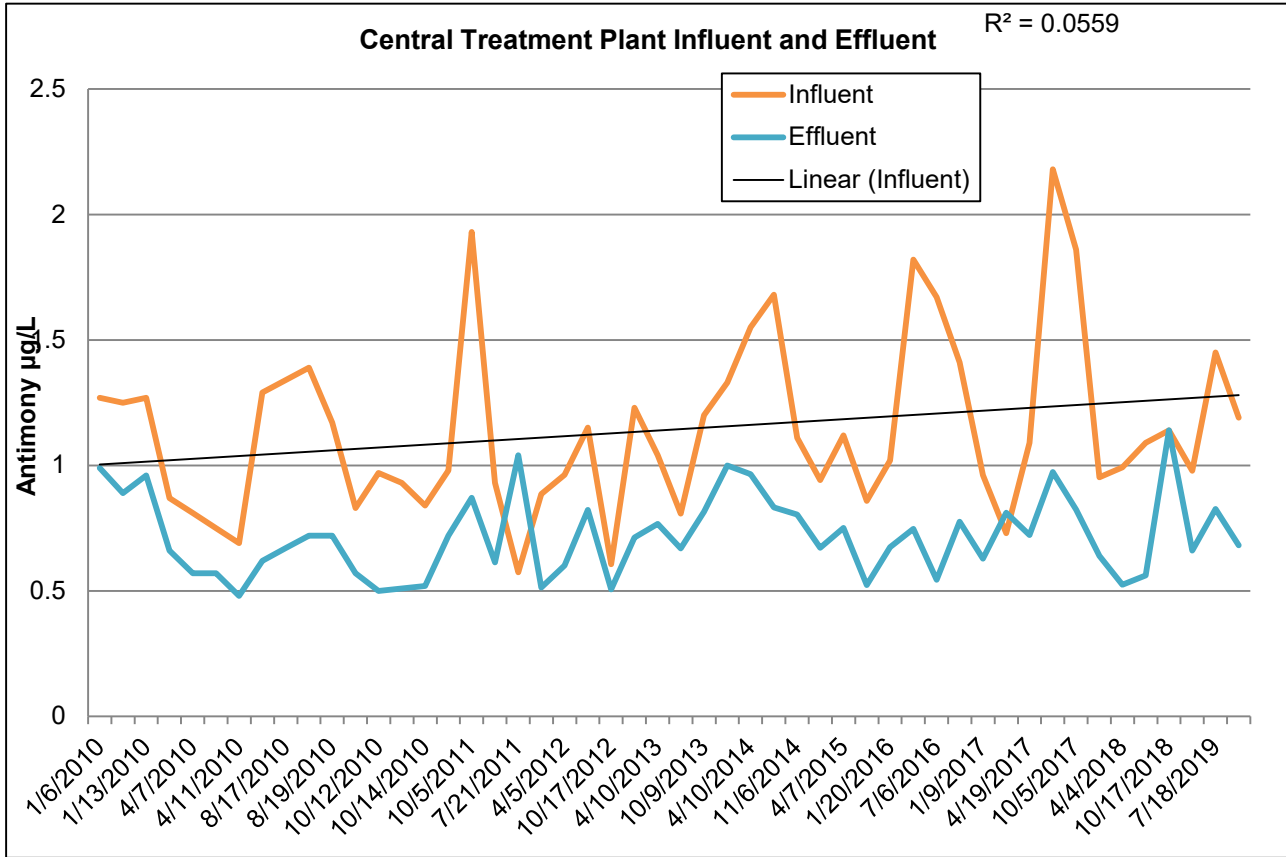
Tacoma, 2014. Wastewater Pretreatment Program Industrial User Survey. City of Tacoma. December 15, 2014.

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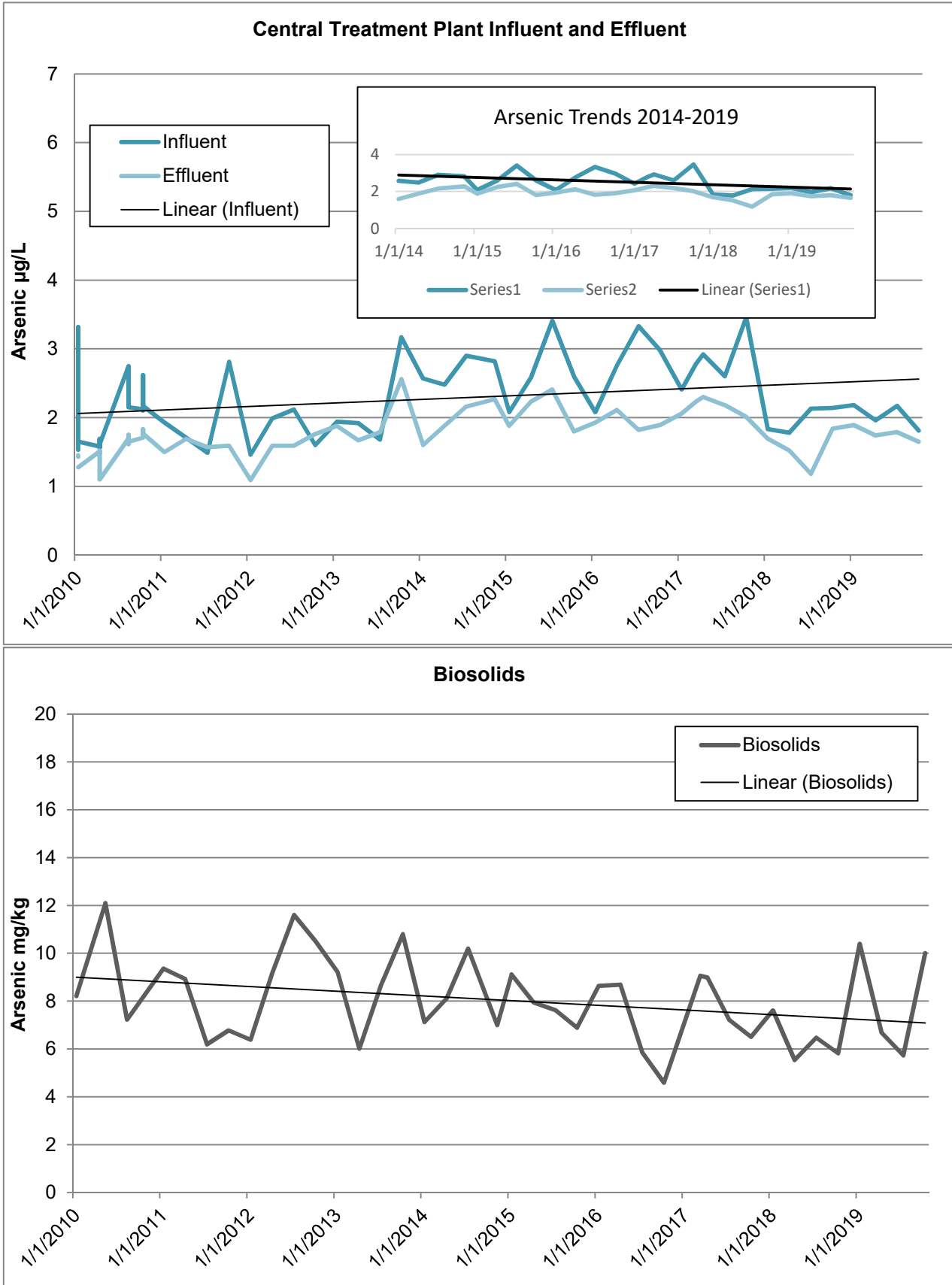
APPENDICES

APPENDIX A
LONG-TERM TRENDS FROM 2009-2018 FOR POCS

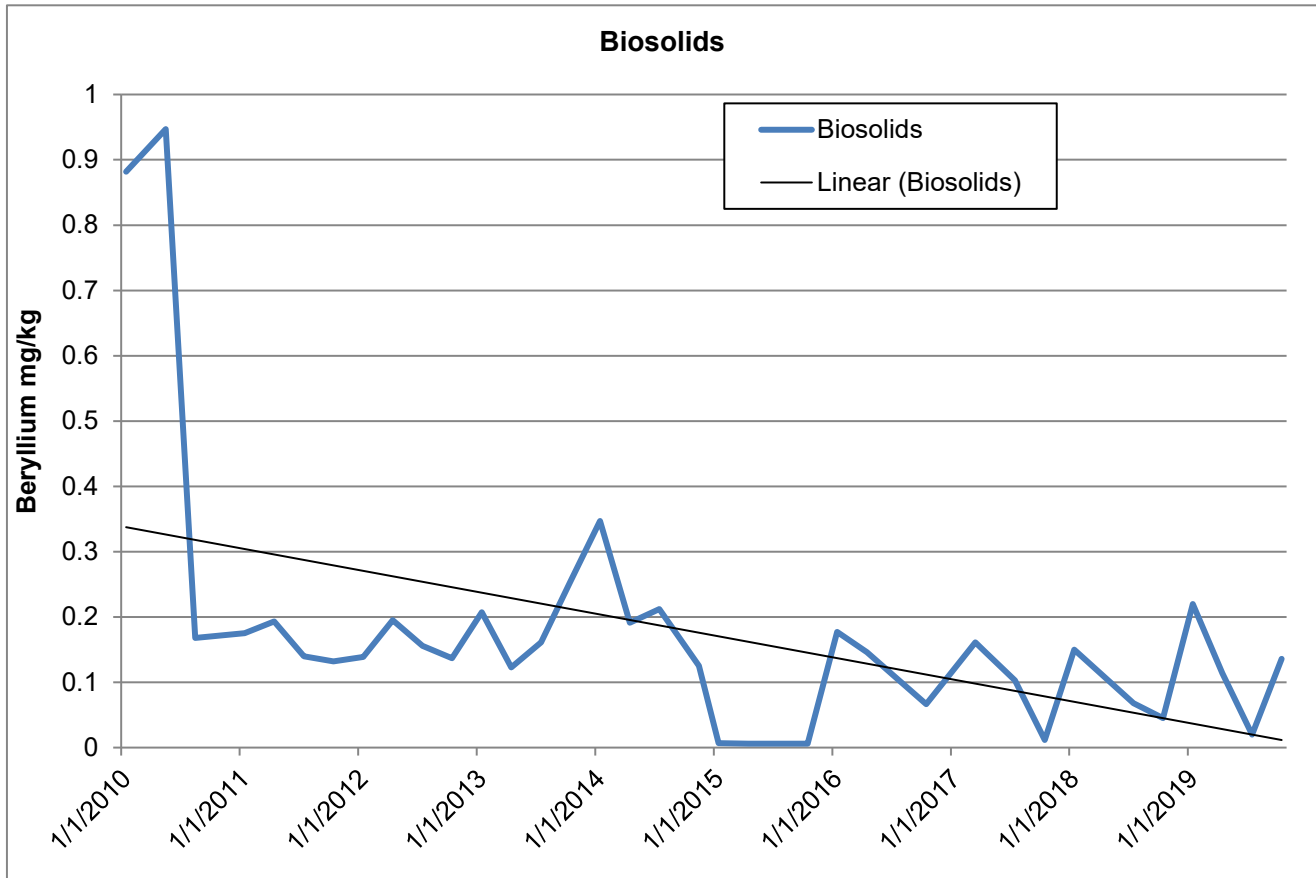
**Figure A-1
Antimony Trends 2010-2019**



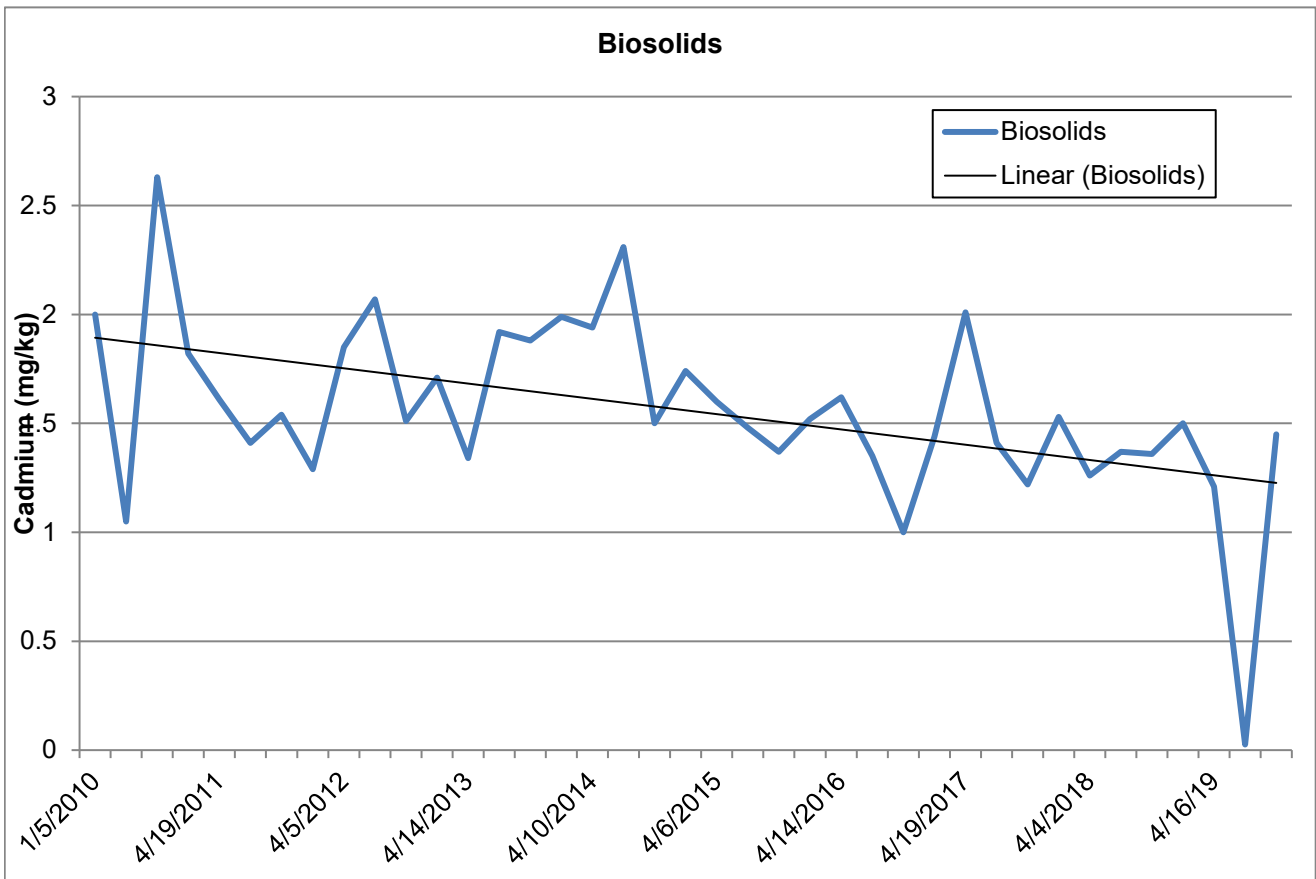
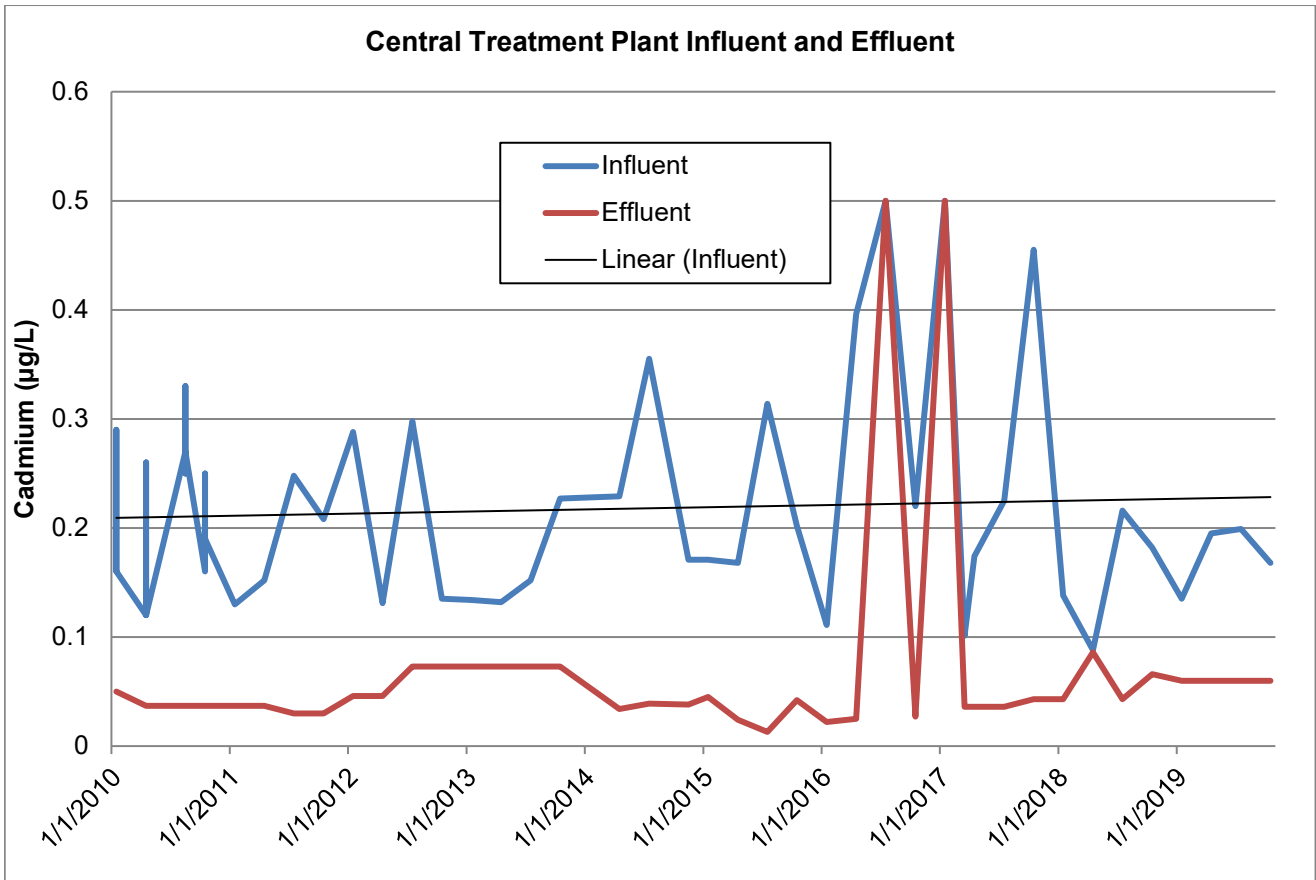
**Figure A-2
Arsenic Trends 2010-2019**



Appendix A-3
Beryllium Trends 2010-2019



**Figure A-4
Cadmium Trends 2010-2019**



**Figure A-5
Chromium Trends 2010-2019**

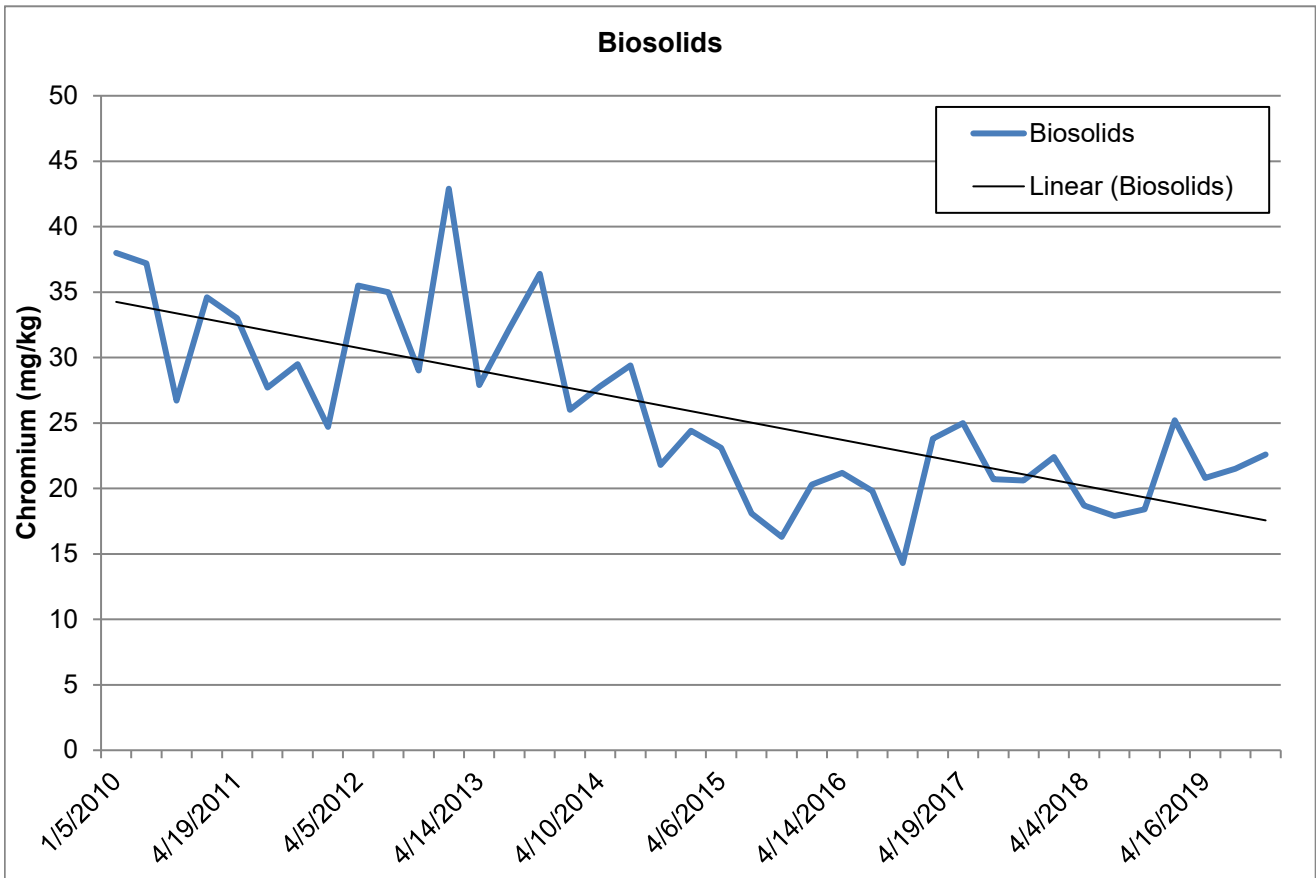
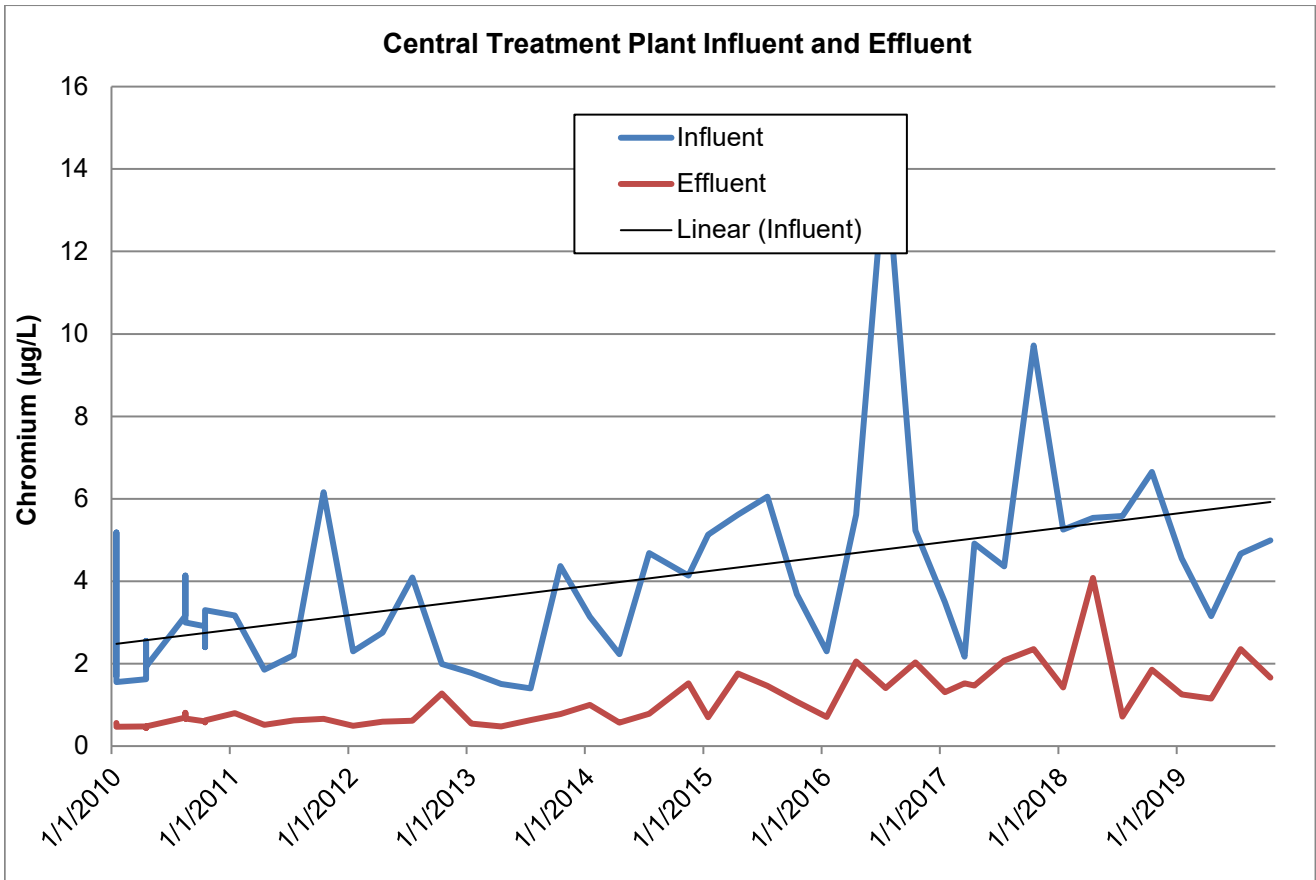


Figure A-6
Copper Trends 2010-2019

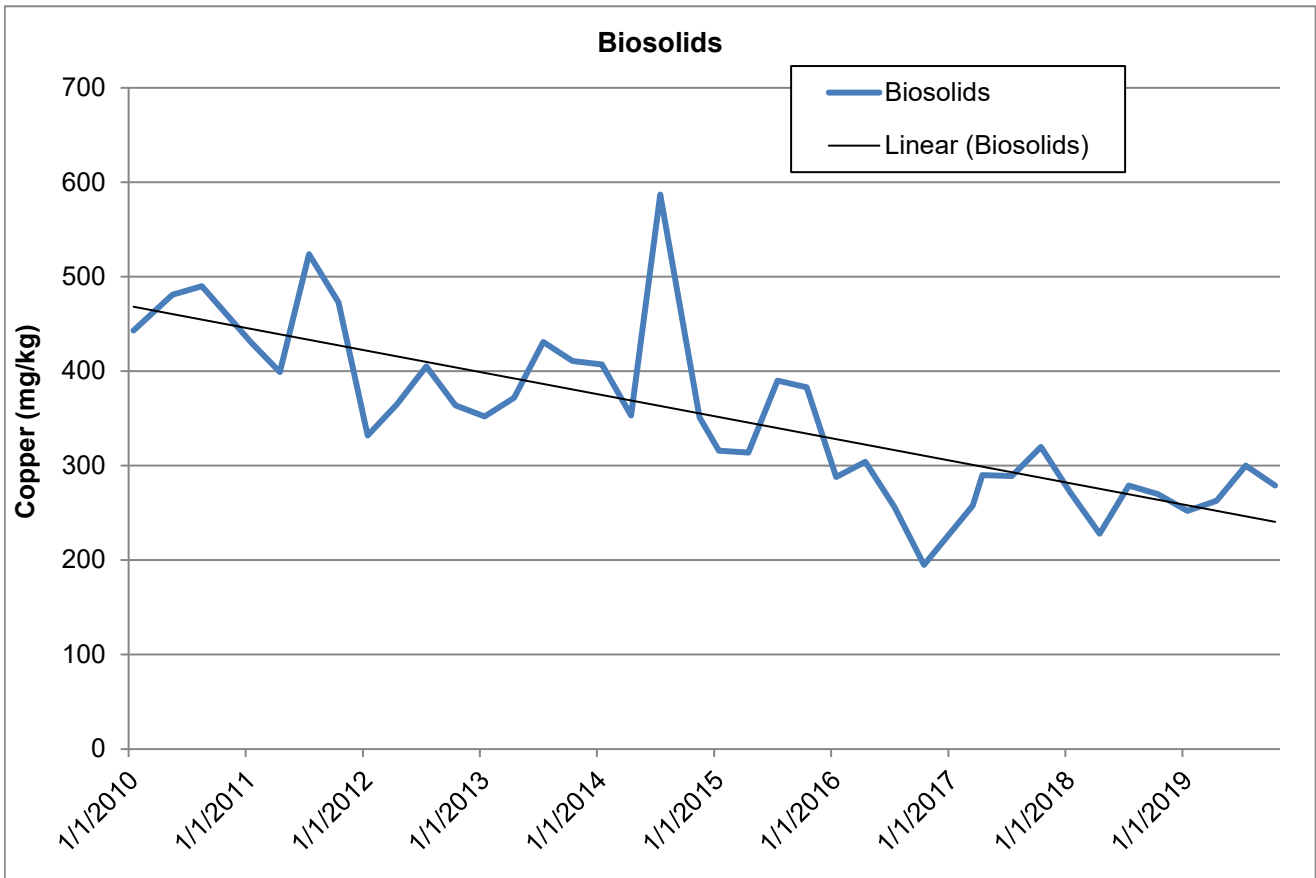
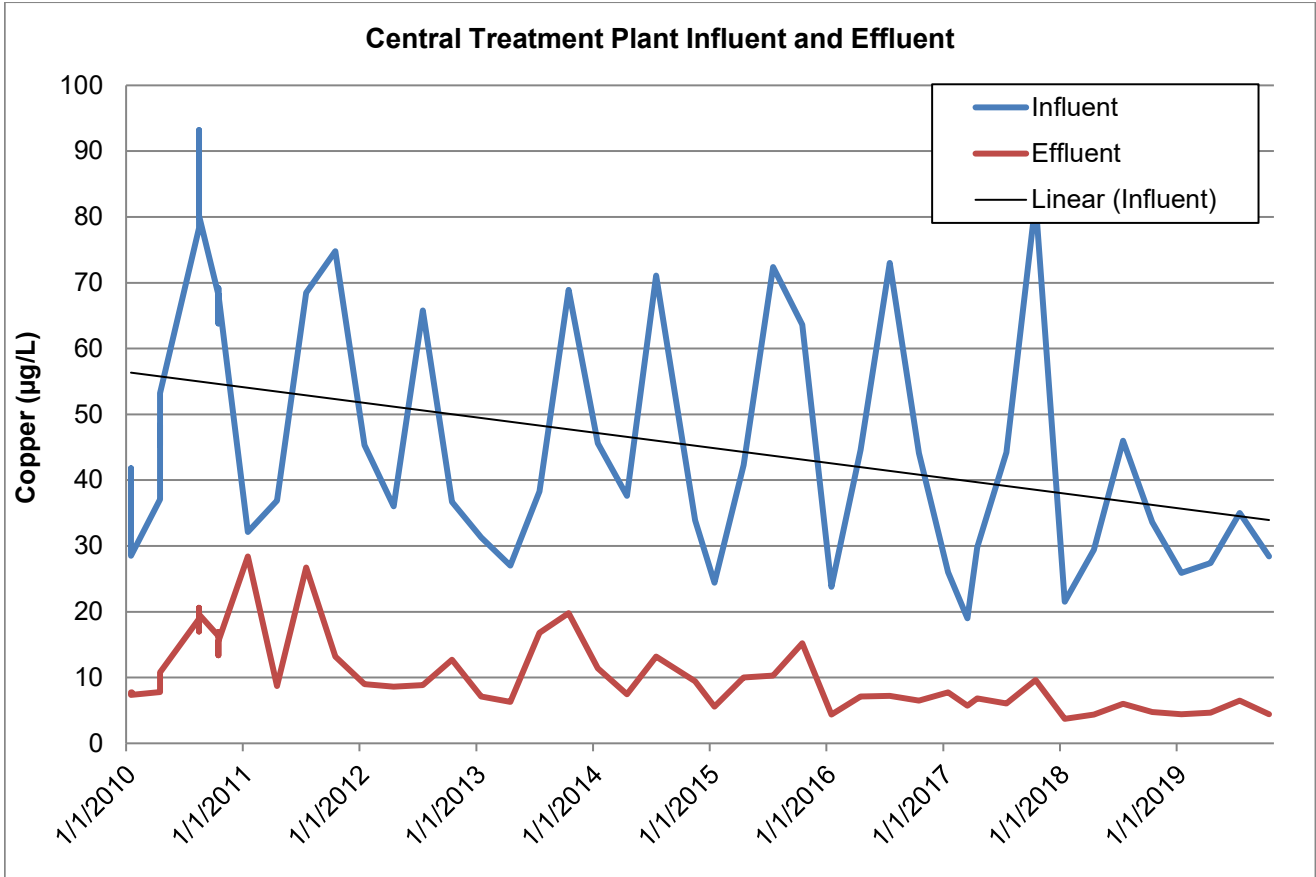


Figure A-7
Cyanide Trends 2009-2018

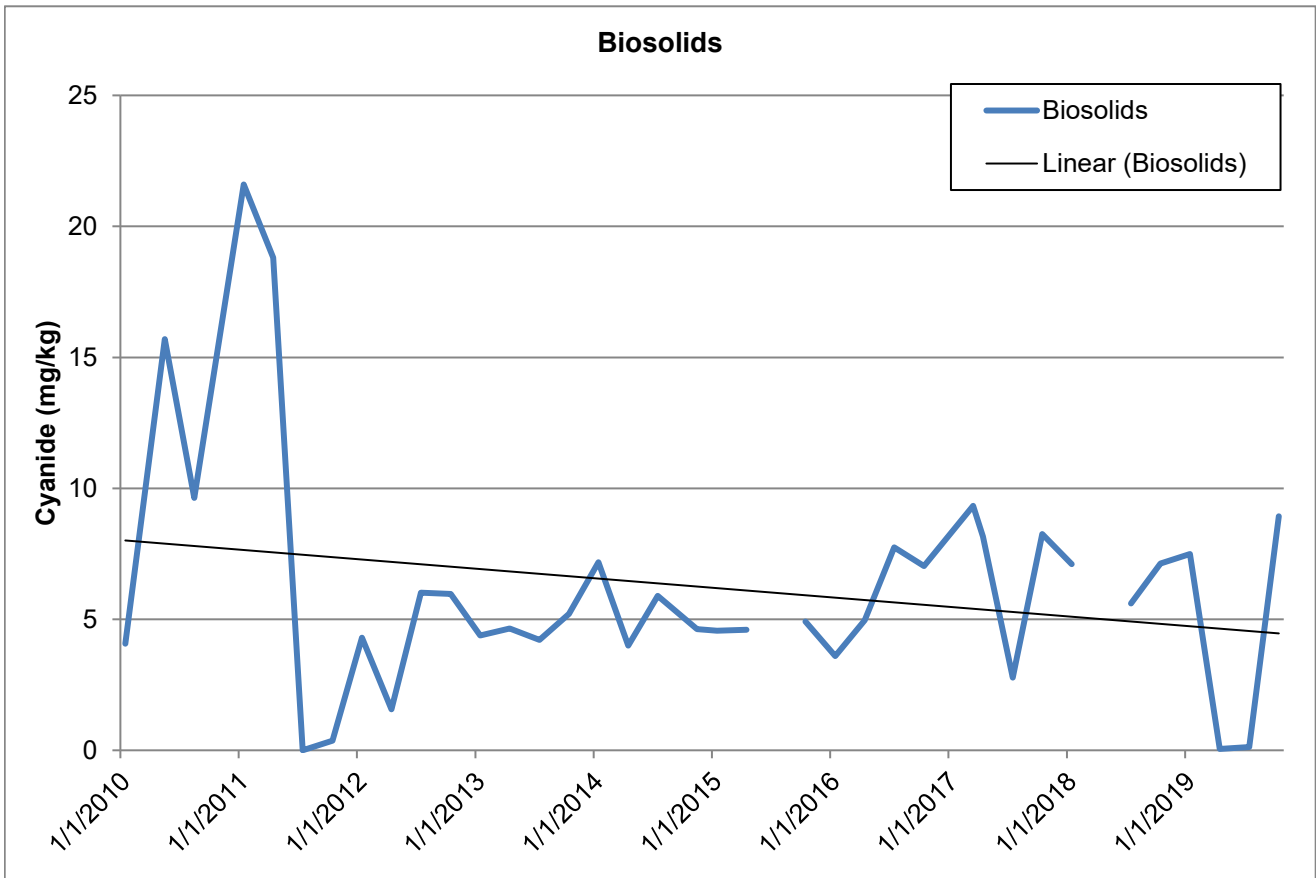
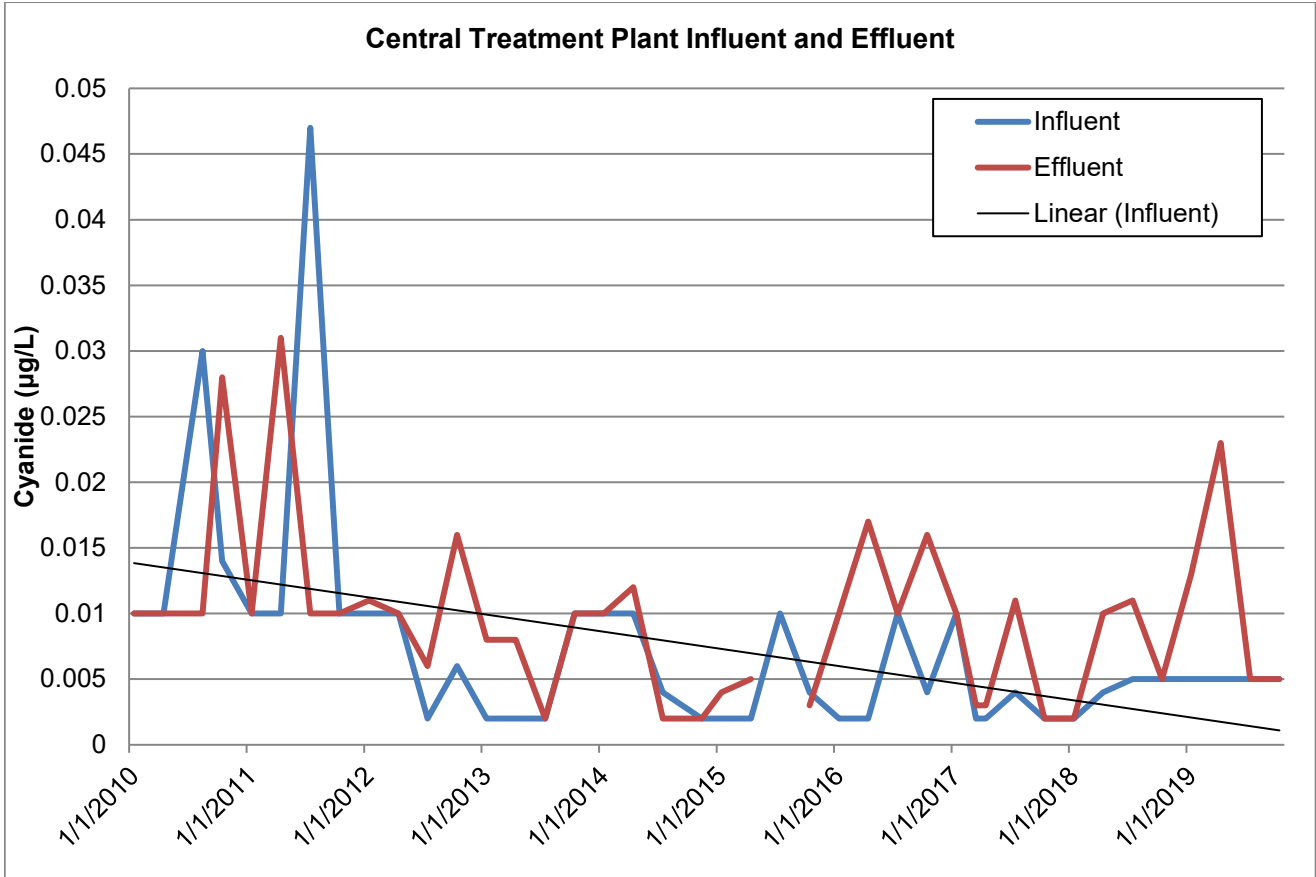


Figure A-8
HEM Trends 2010-2019

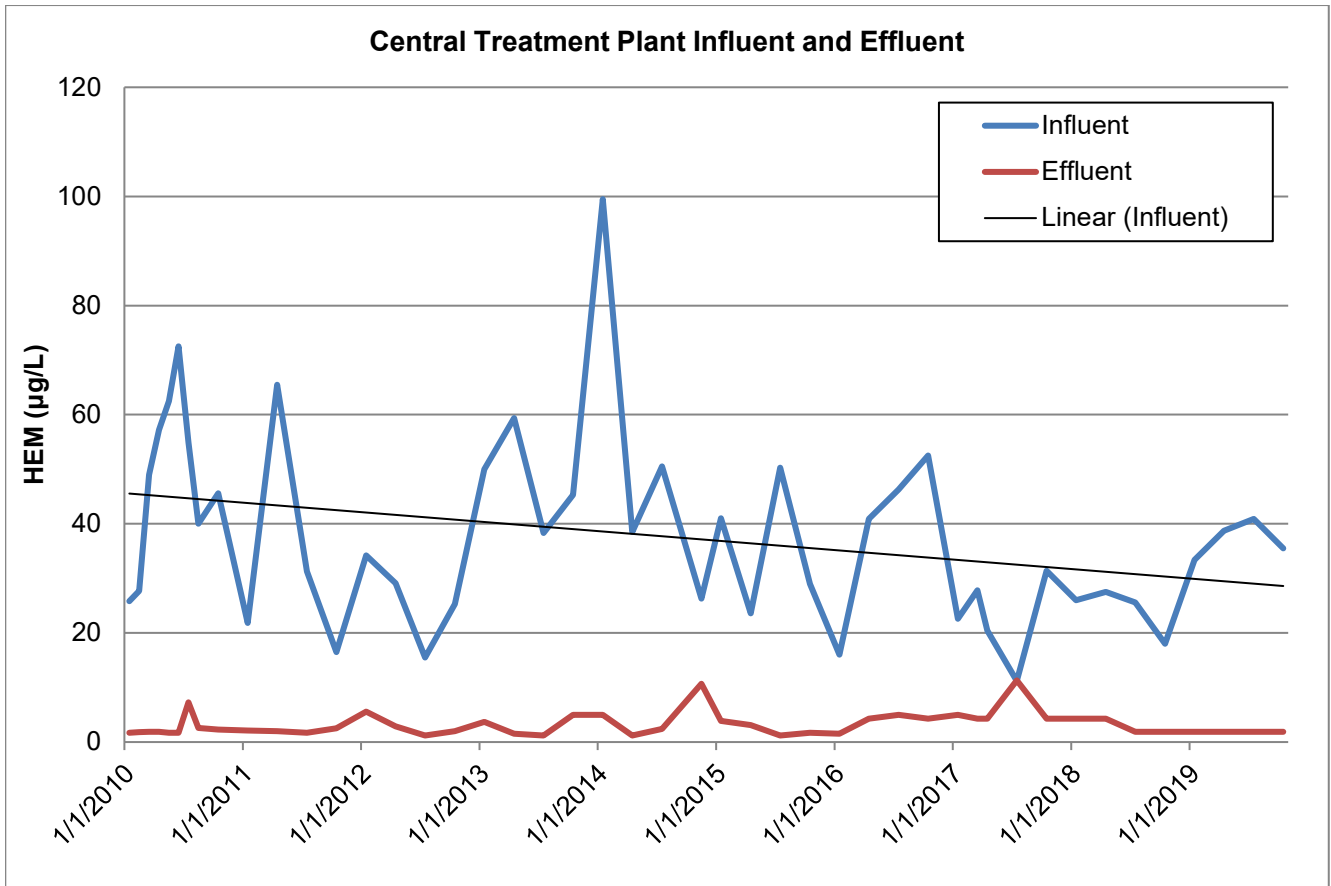


Figure A-9
Lead Trends 2010-2019

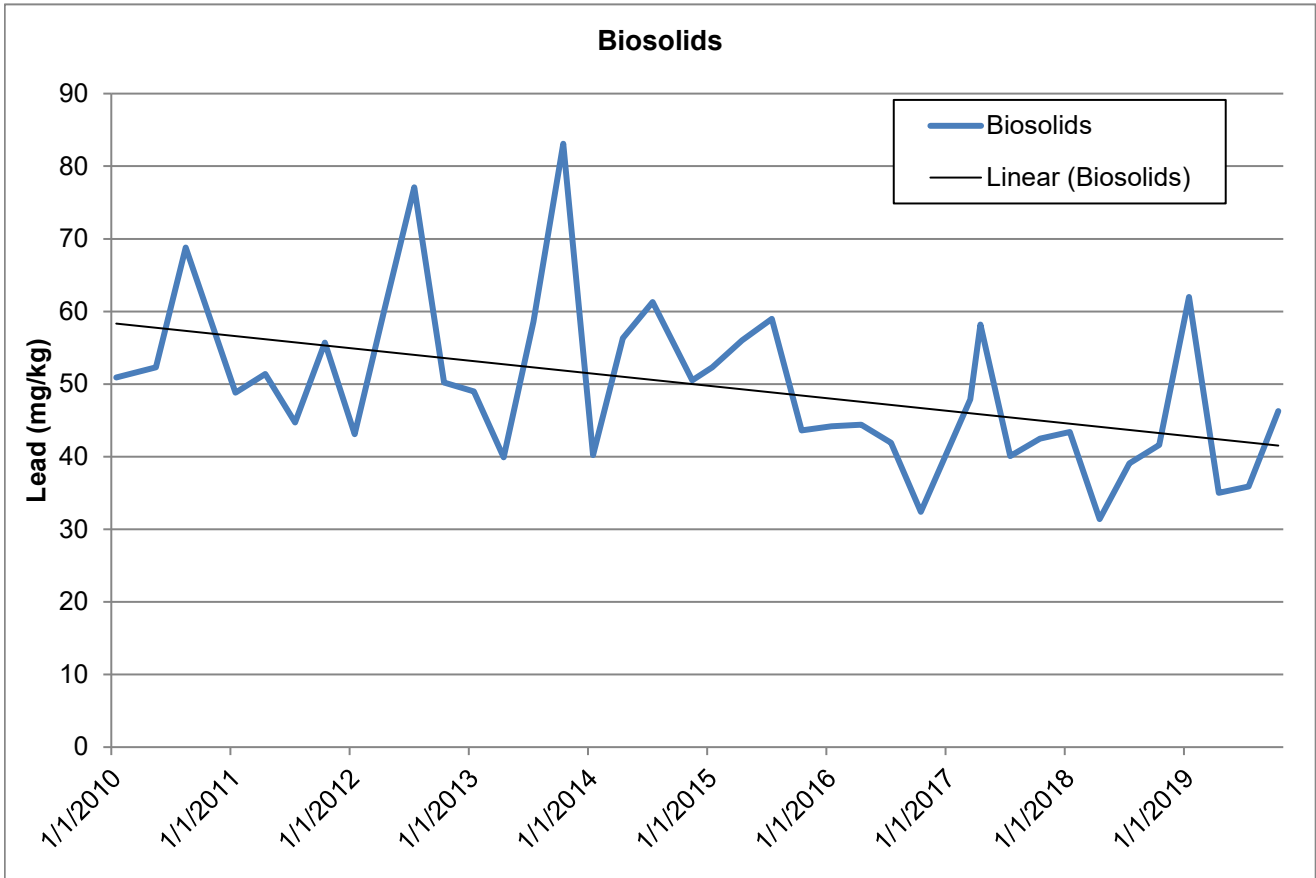
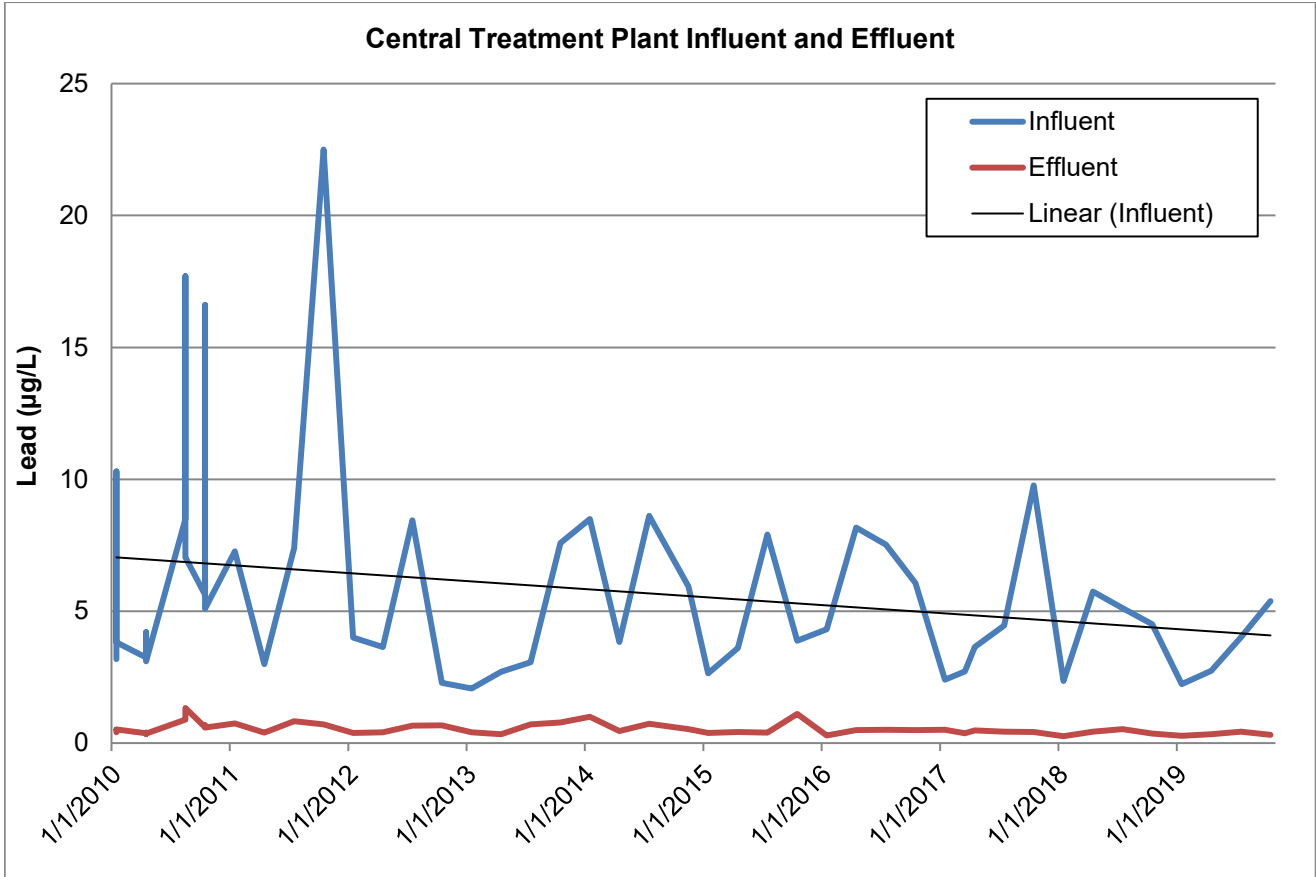


Figure A-10
Mercury Trends 2010-2019

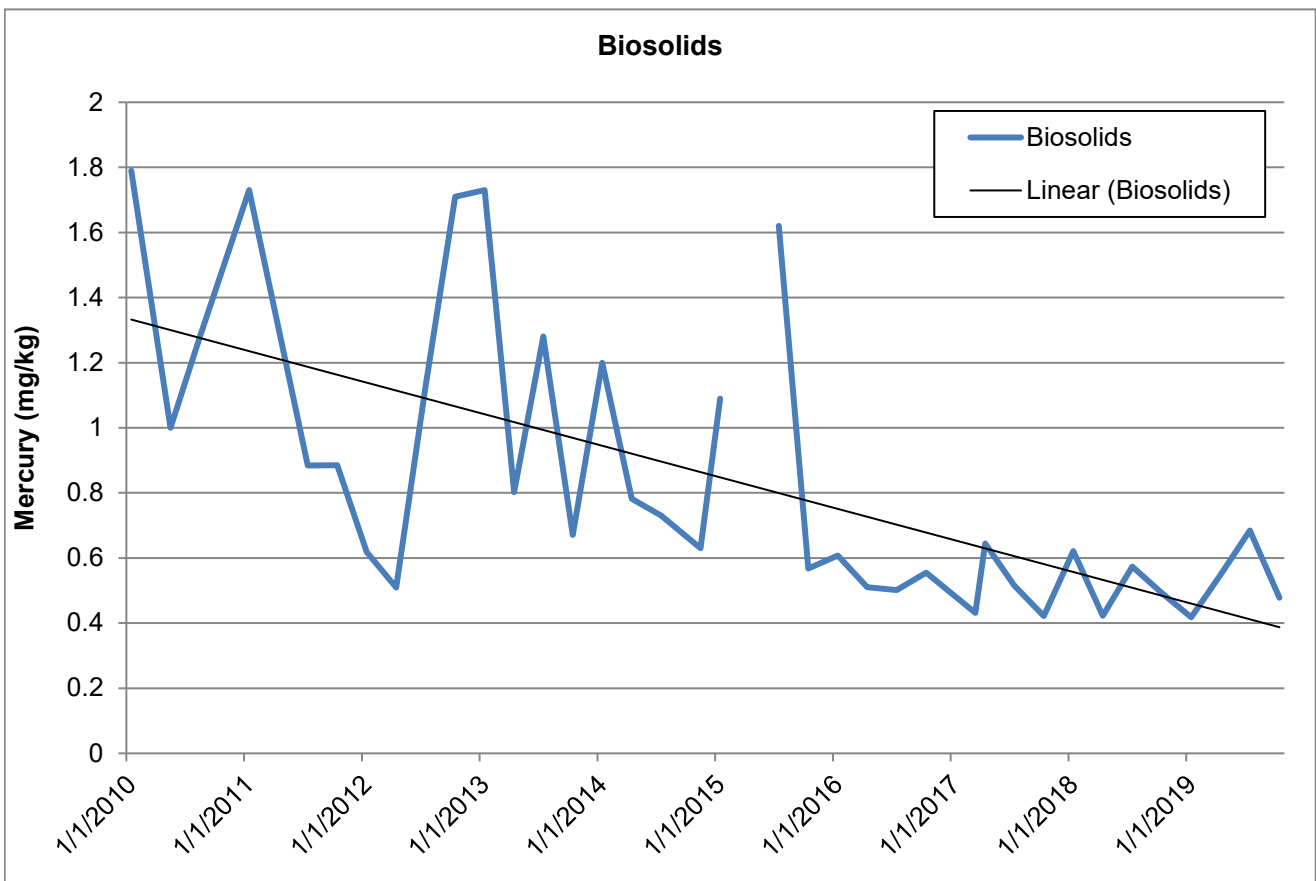
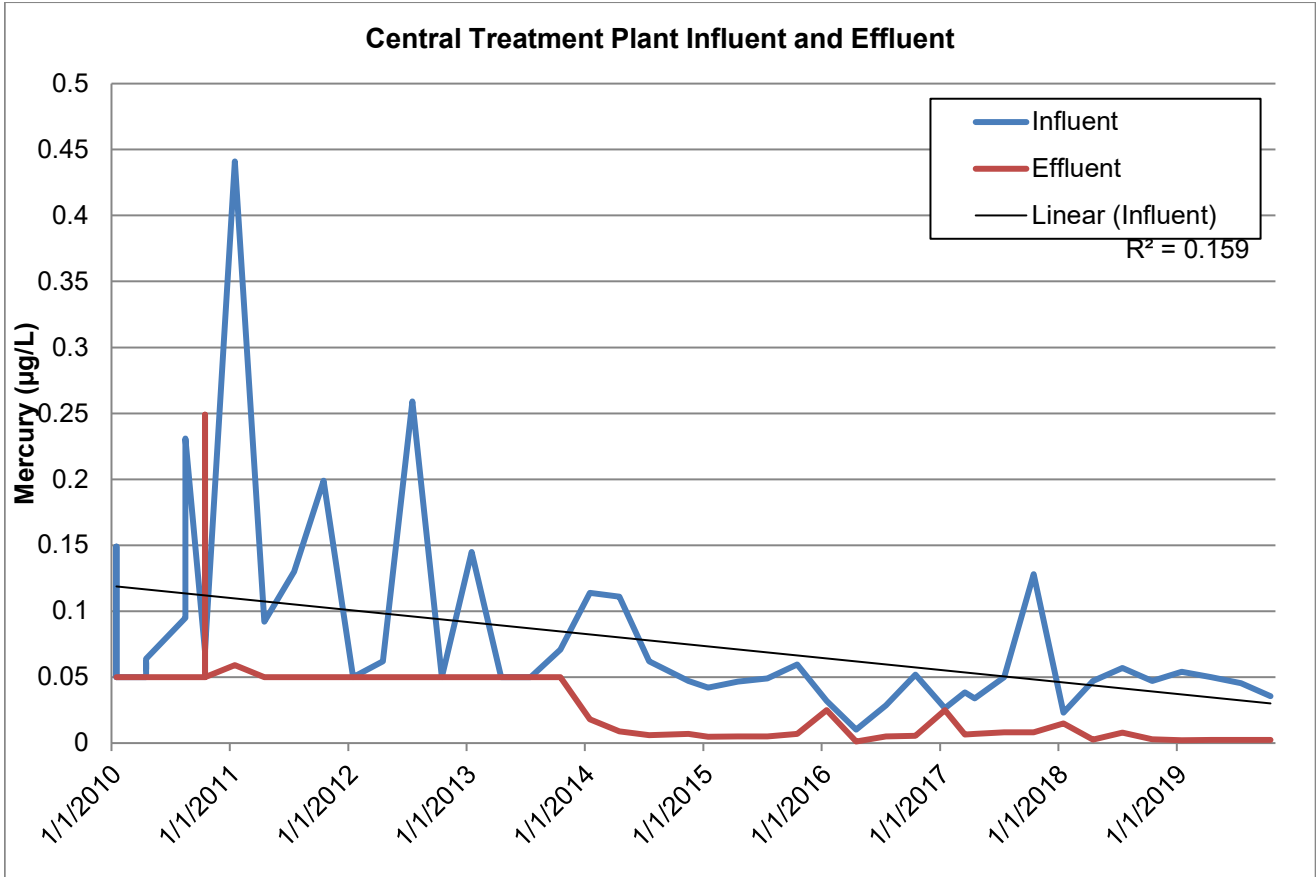


Figure A-11
Molybdenum Trends 2010-2019

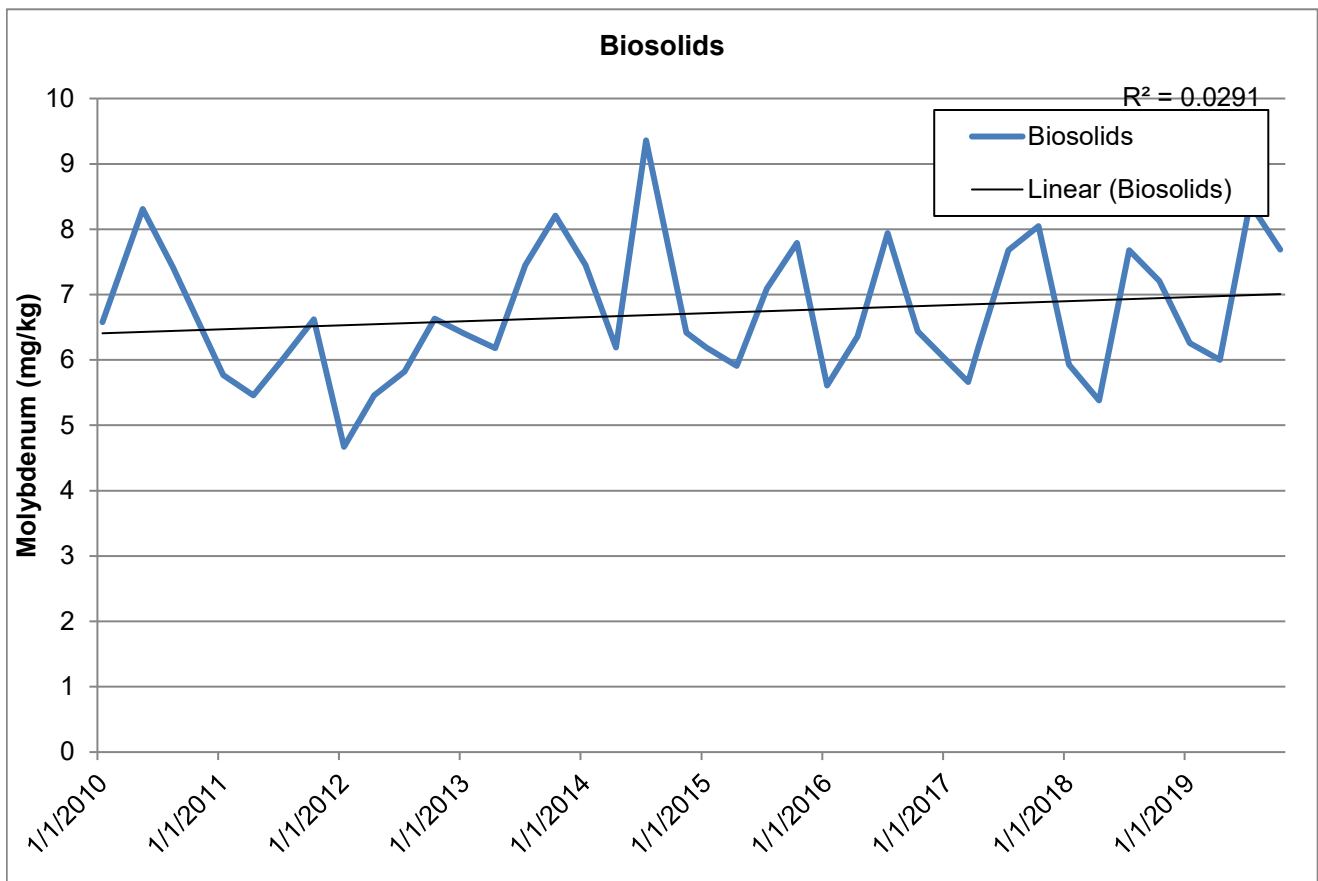
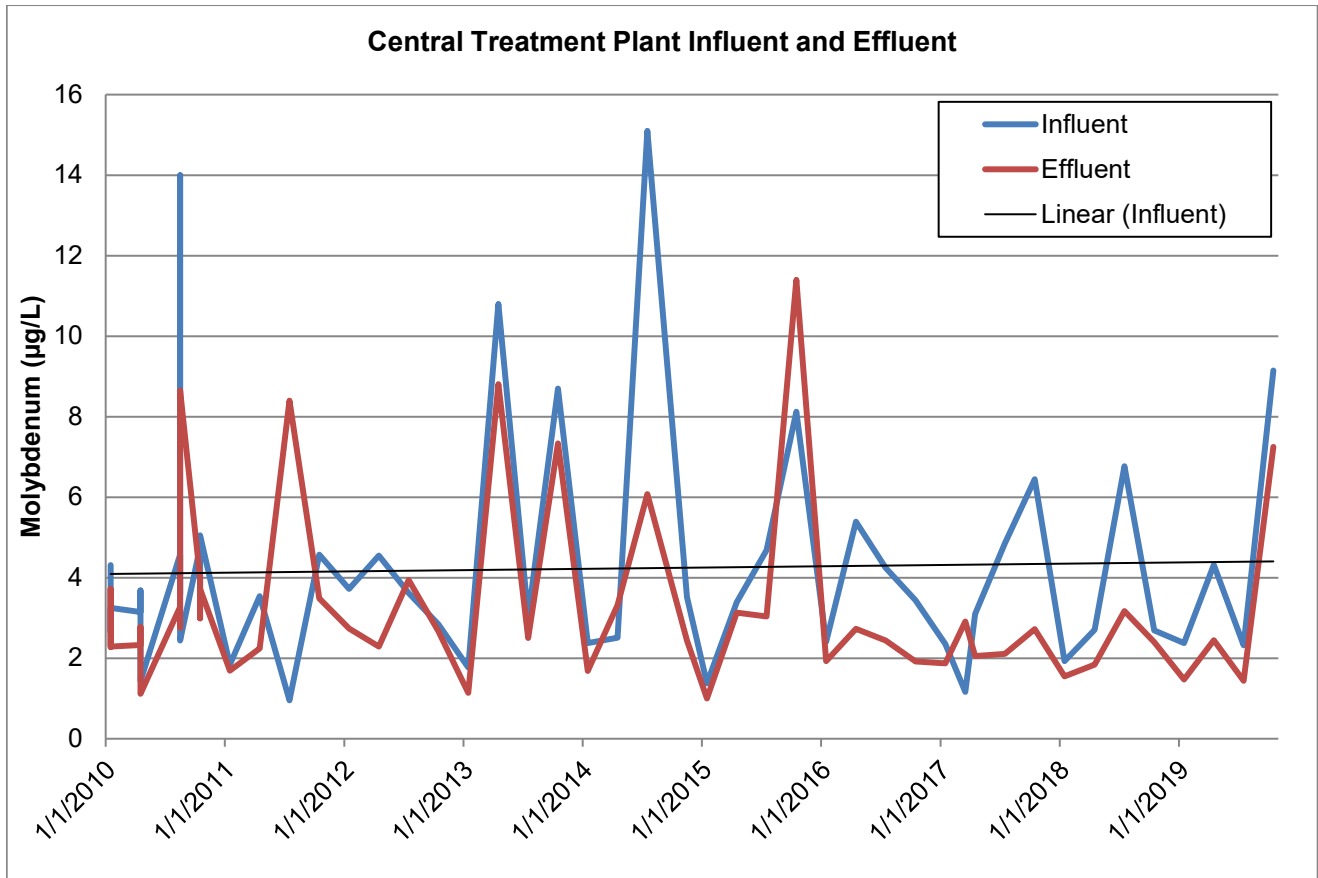


Figure A-12
Nickel Trends 2010-2019

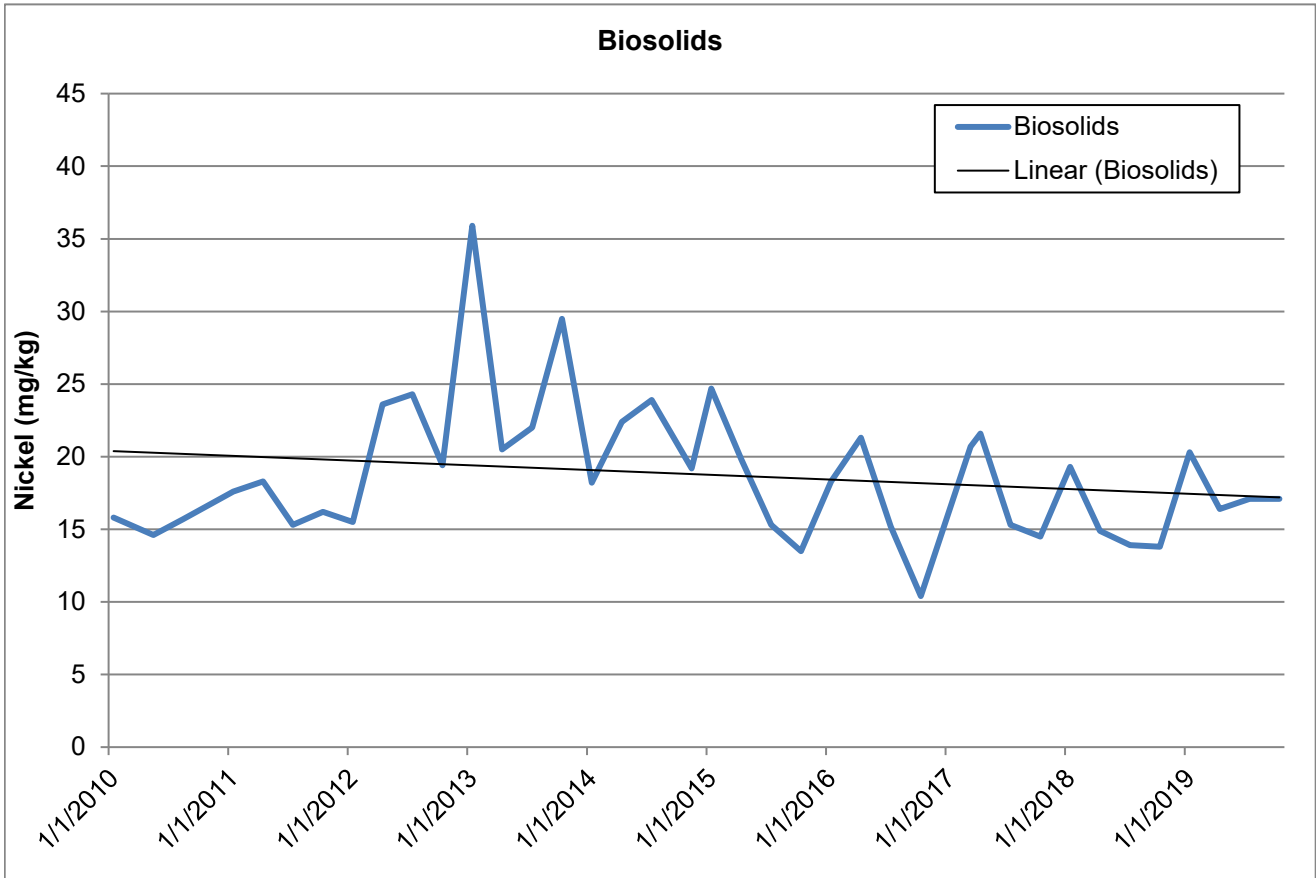
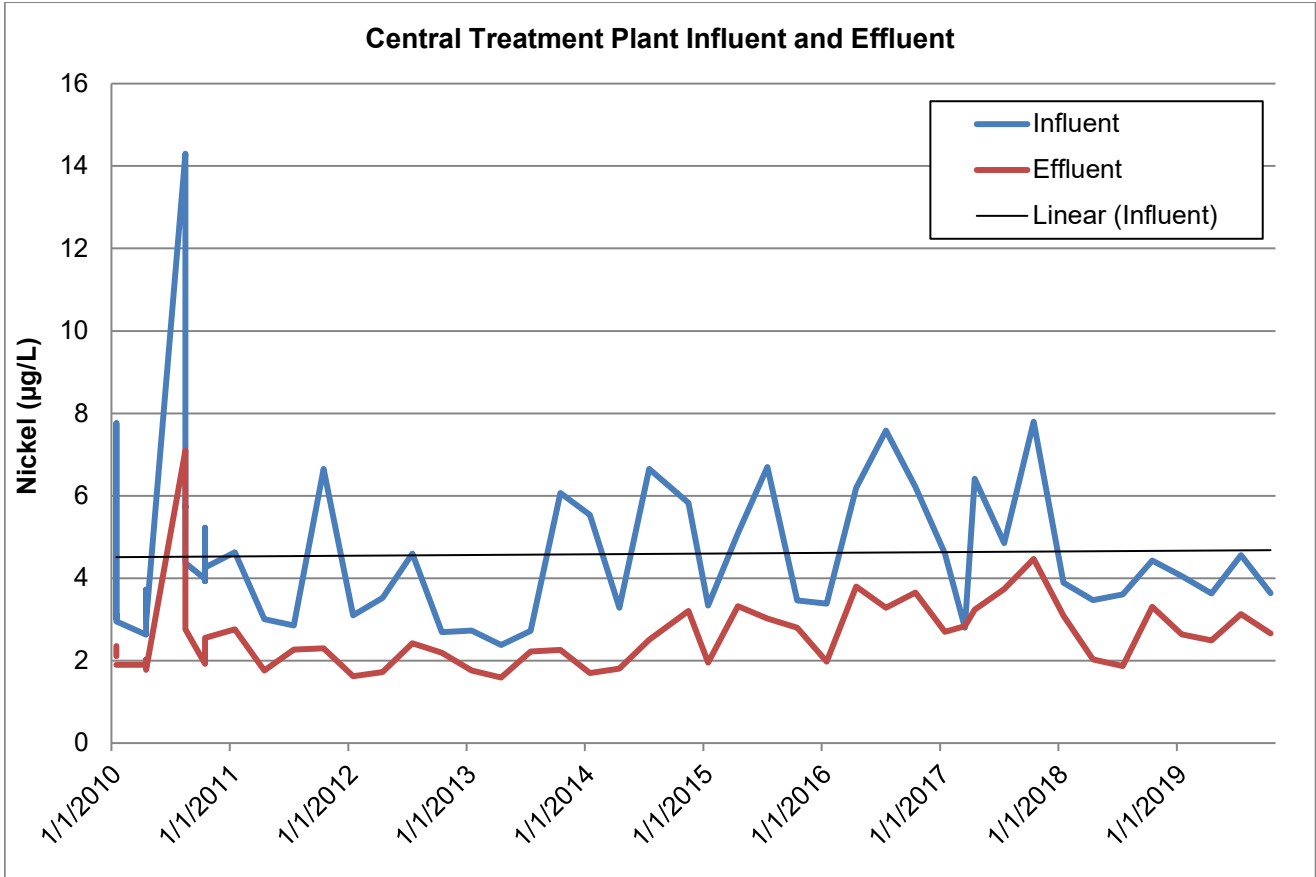


Figure A-13
Phenols, Total Trends 2010-2019

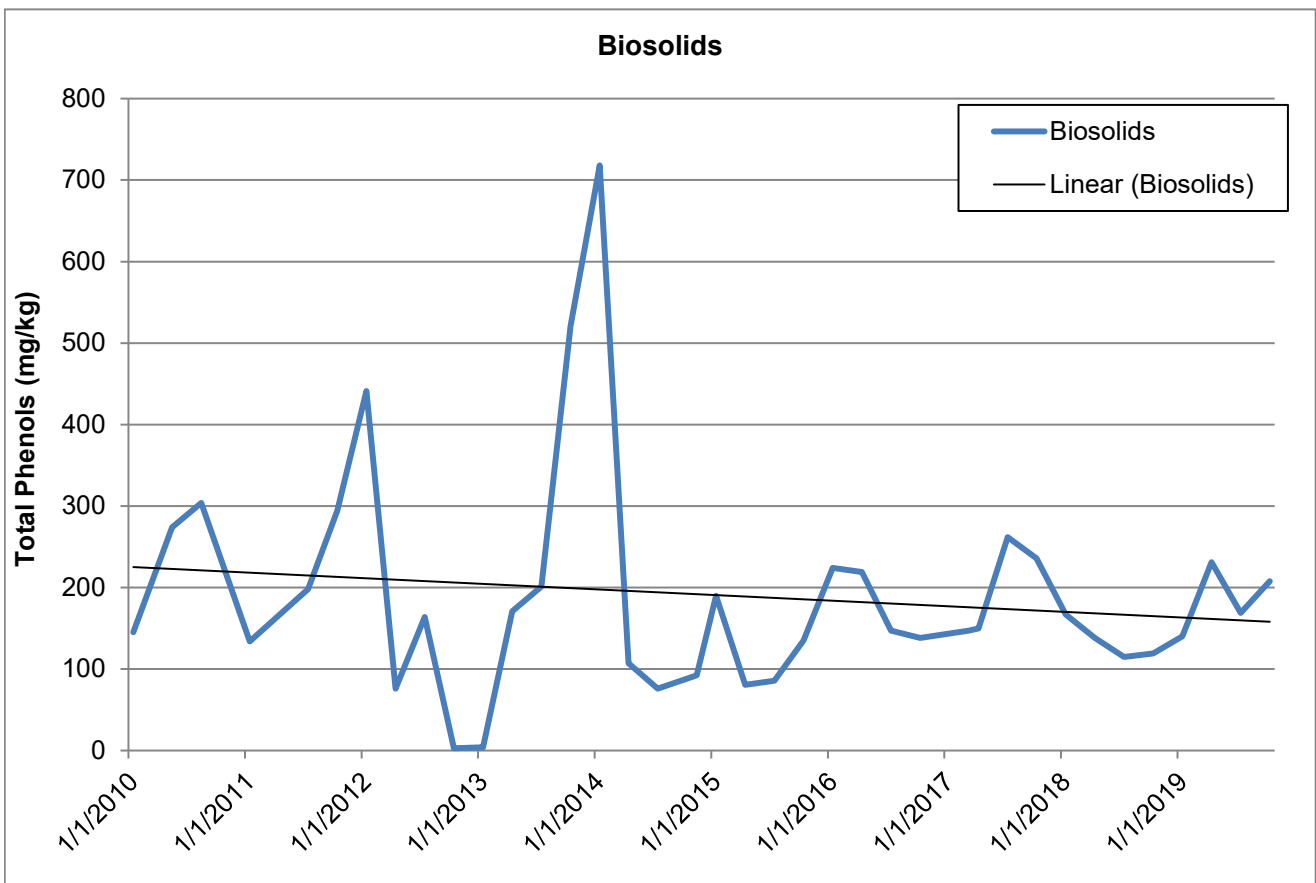
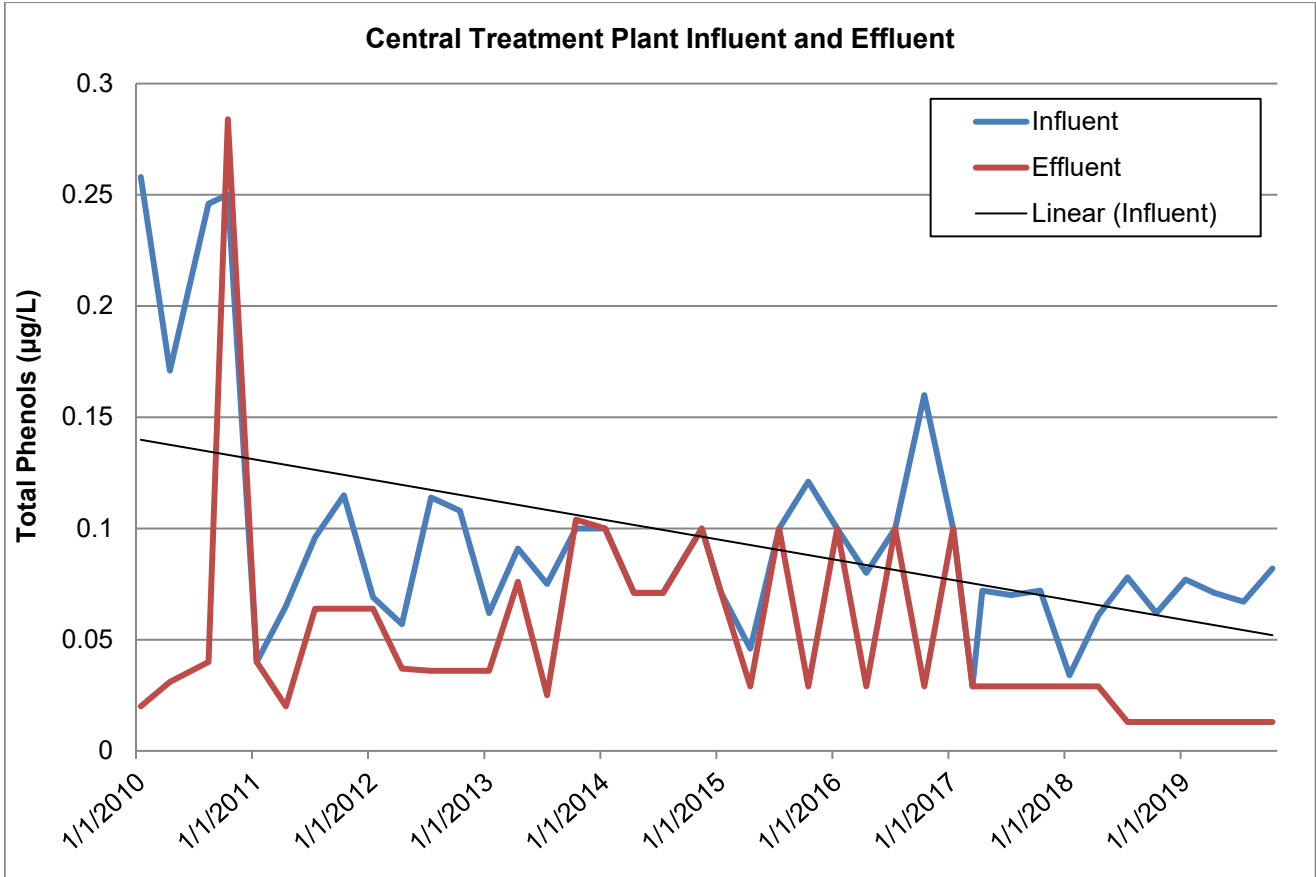
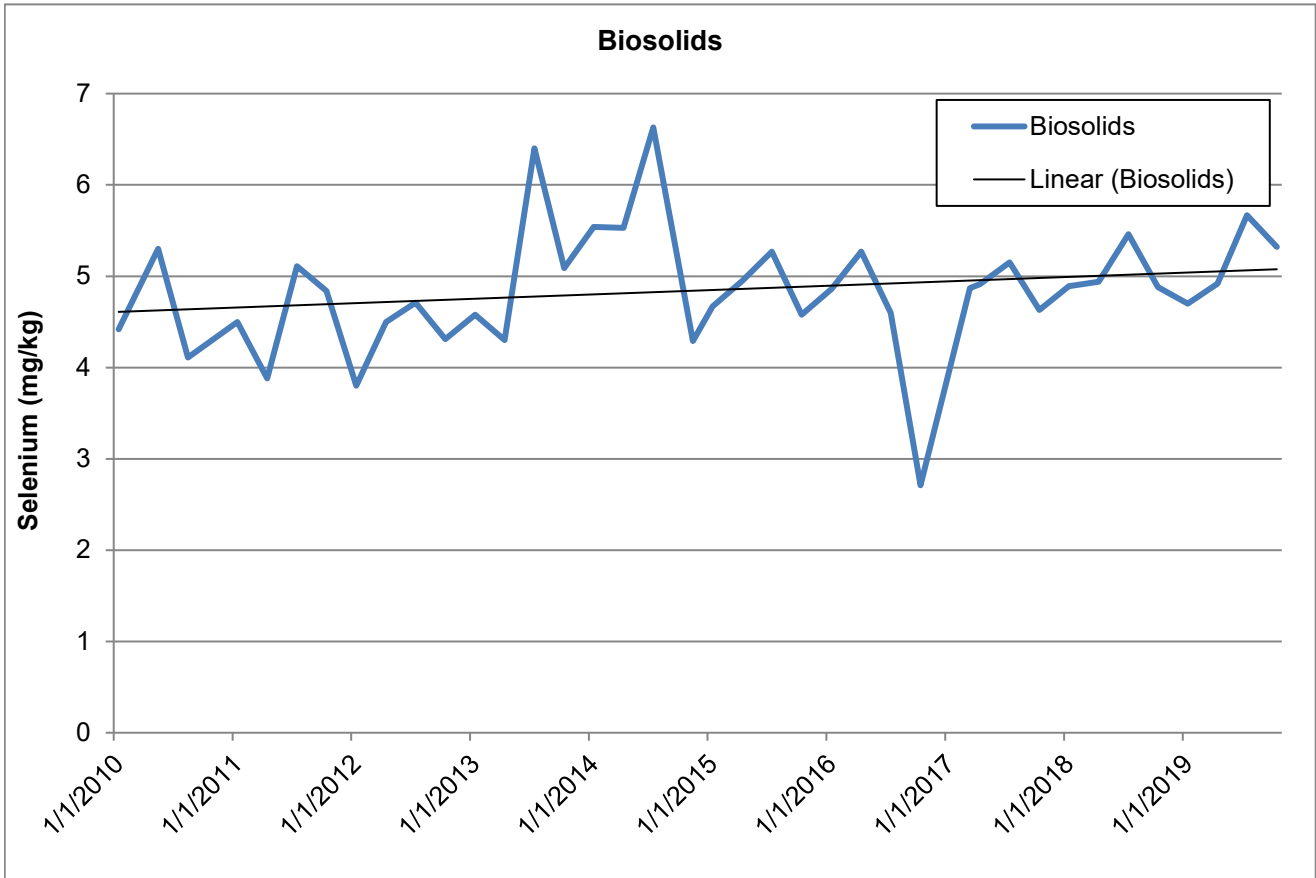
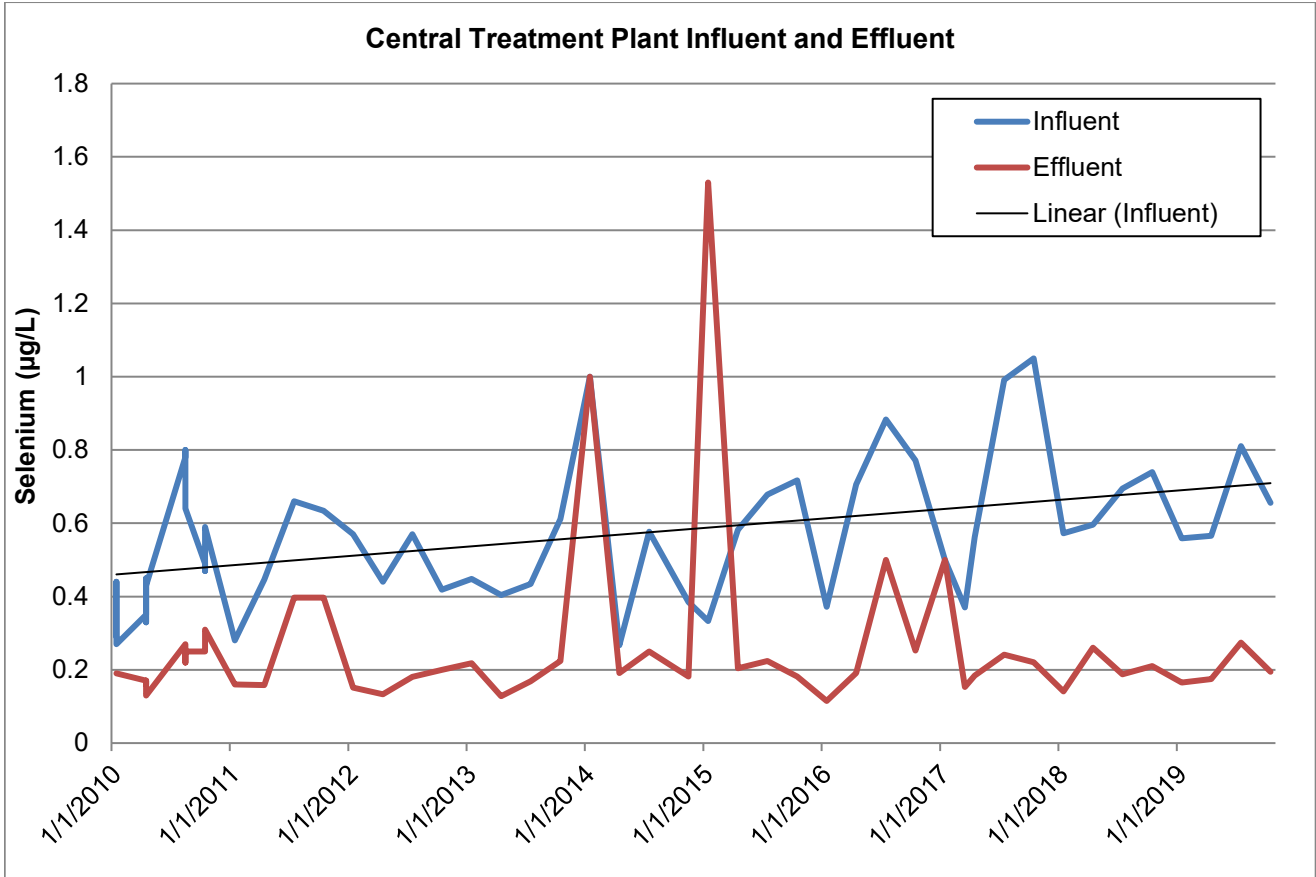


Figure A-14
Selenium Trends 2010-2019



**Figure A-15
Silver Trends 2010-2019**

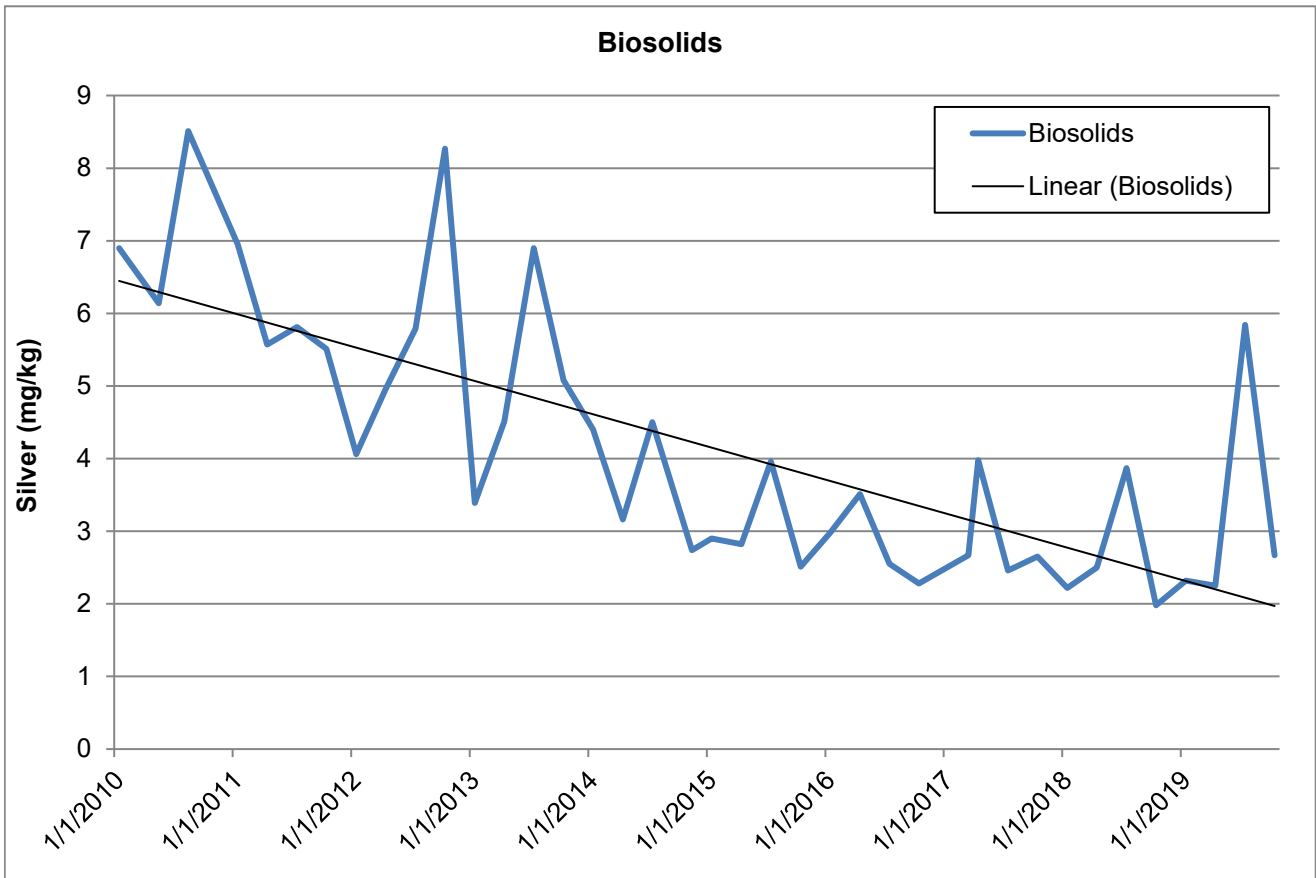
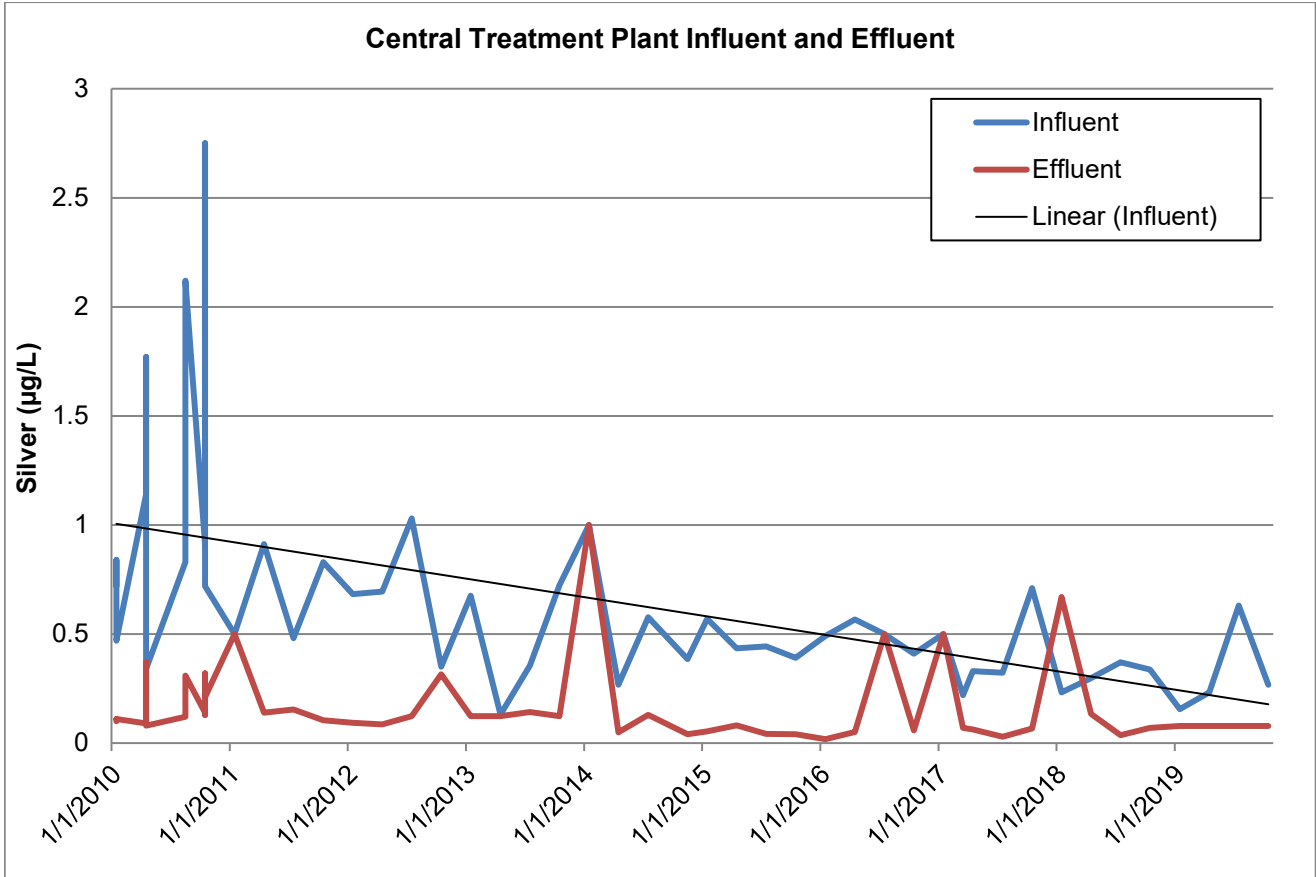
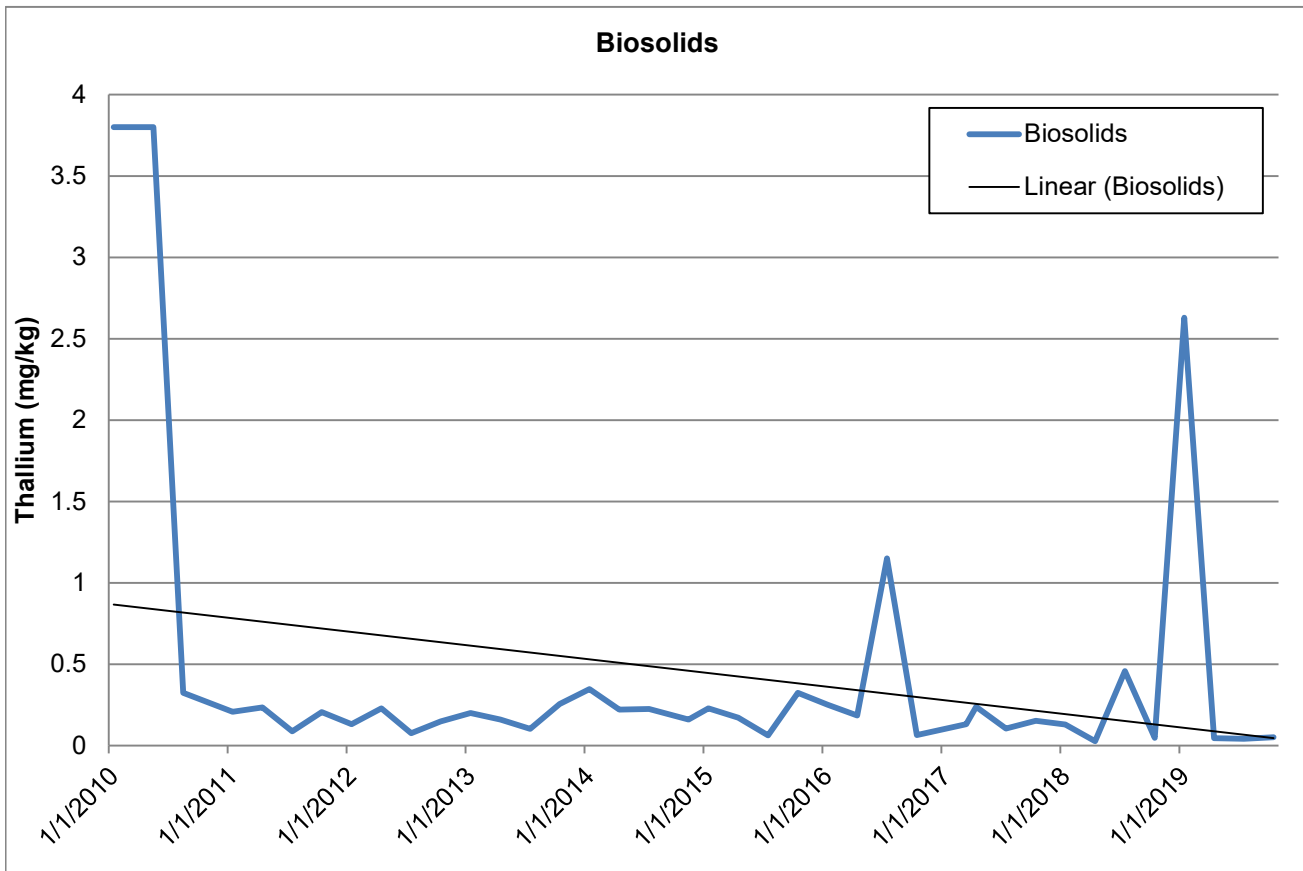
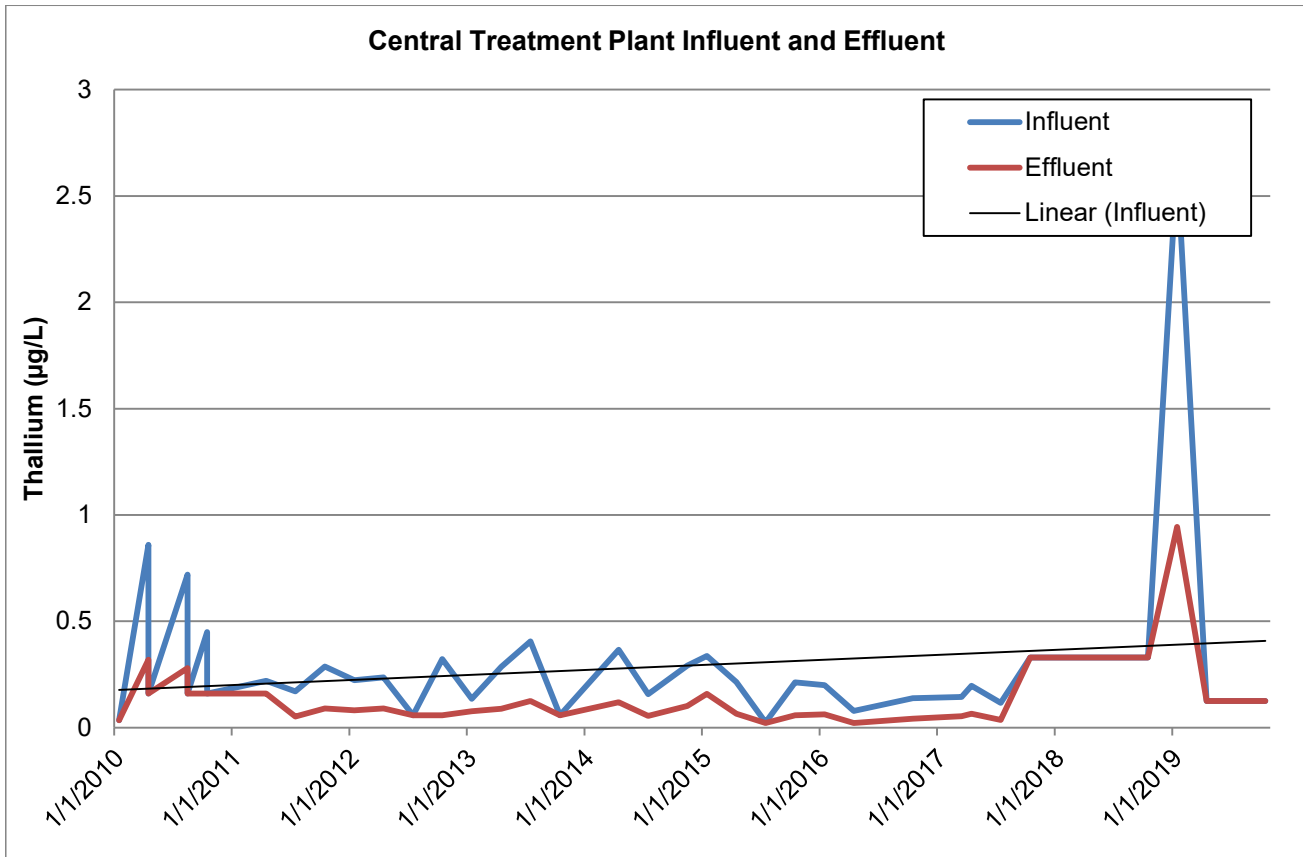
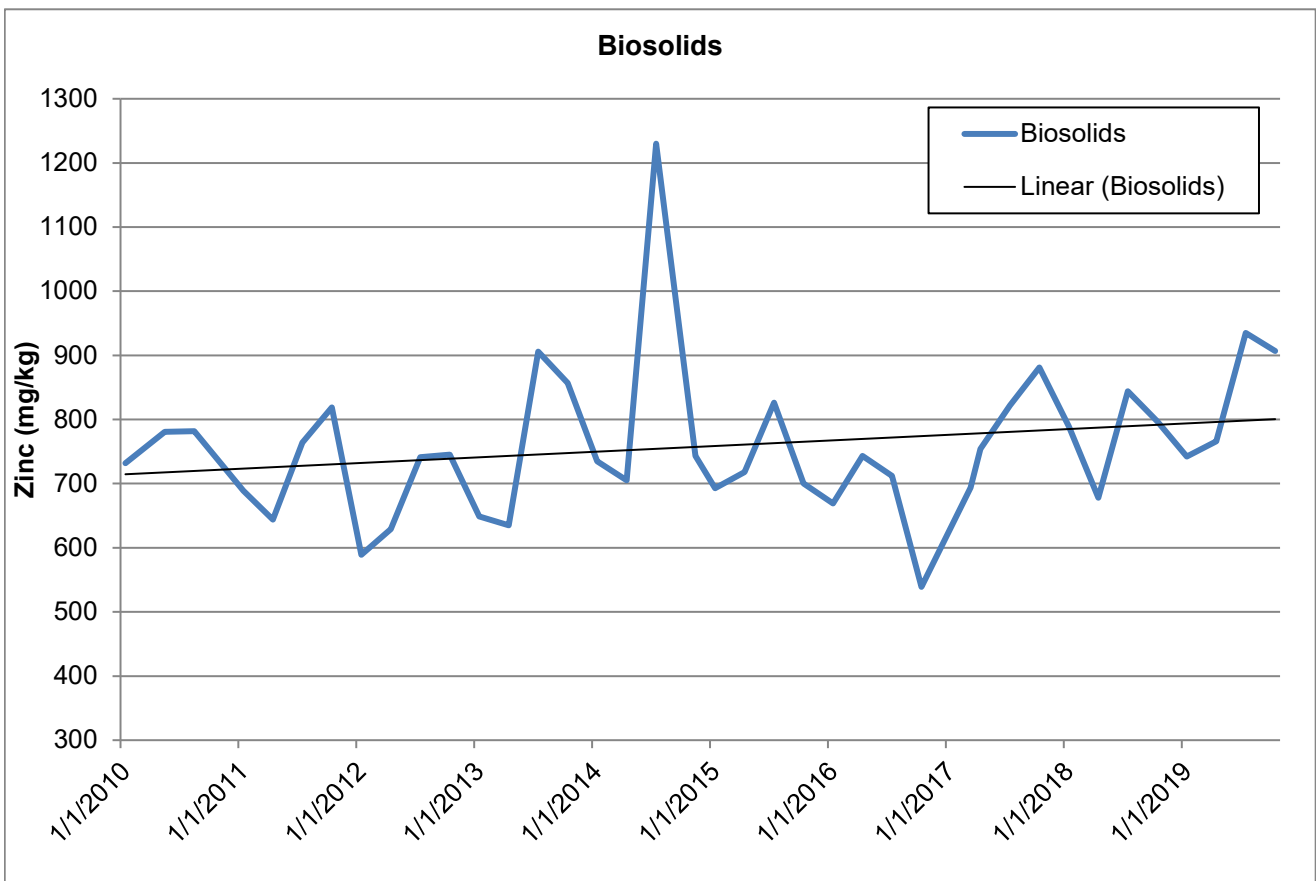
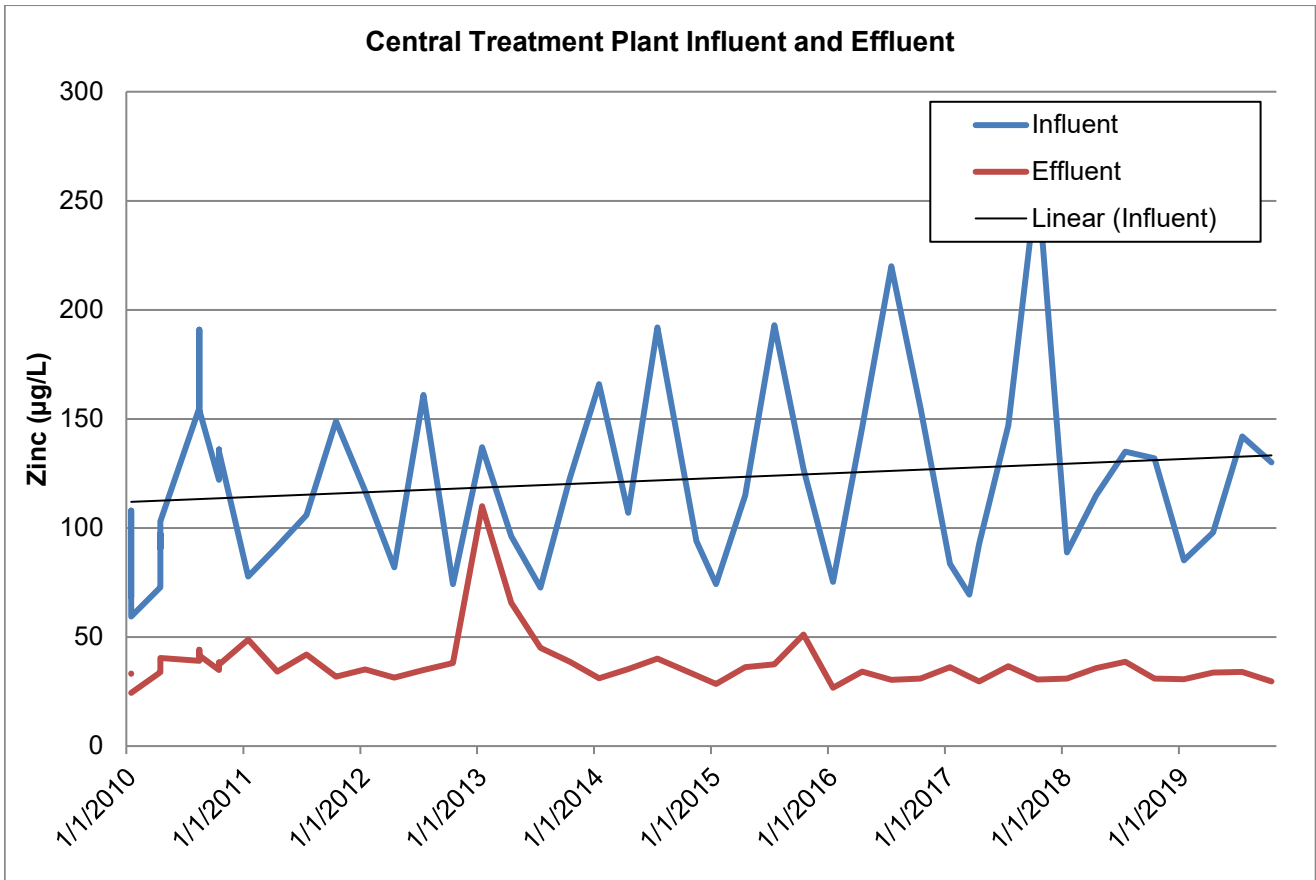


Figure A-16
Thallium Trends 2010-2019



**Figure A-17
Zinc Trends 2010-2019**



APPENDIX B
INDUSTRIAL USER SURVEY LISTS

2019 Form 1
Master List of Businesses Surveyed

COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
NA	Cat C Dom Equ	AGRO COULTURE	2919 S ALASKA ST	TACOMA WA 98409	111419 - Herb farming, grown under cover	Short Form	9/14/2018	6/24/2019
NA	MIU	ODD OTTER BREWING COMPANY	716 PACIFIC AVE	TACOMA WA 98402	312120 - Ale brewing, 312120 - Beer brewing	Short Form	6/12/2019	7/1/2019
NA	Cat B	CLASSIC CURRENT	418 S 59TH ST	TACOMA WA 98408		Short Form	6/12/2019	6/24/2019
NA	Cat B	ARCLIN	2144 MILWAUKEE WAY	TACOMA WA 98421	325211 - Acetal resins manufacturing	Short Form	6/12/2019	6/24/2019
NA	Cat B	FRED TEBB & SONS INC	1906 MARC AVE	TACOMA WA 98421	321918 - Baseboards, floor, wood, manufacturing, 321918 - Other Millwork (including Flooring)	Short Form	6/12/2019	7/1/2019
NA	Cat B	ASSOCIATED PETROLEUM PRODUCTS	2320 MILWAUKEE WAY	TACOMA WA 98421	424720 - Crude oil merchant wholesalers (except bulk stations, terminals)	Short Form	6/12/2019	6/24/2019
NA	MIU	ALAN ALTMAN DDS PC	2302 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form		
NA	IU	TACOMA CEDAR DENTAL	3712 S CEDAR ST	TACOMA WA 98409		Short Form	10/7/2019	
closed	MIU	TACOMA ORTHODONICS CENTER INC.	2302 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form		11/13/2019
NA	IU	THAI AND AUDREY NGUYEN DENTAL	1212 S 11TH ST 20	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	11/14/2019	12/4/2019
NA	IU	SMART KOKICH AND QUINN ORTHODONTICS	2302 S UNION AVE	TACOMA WA 98405	621210 - Orthodontists' offices (e.g., centers, clinics)	Short Form		
HOME BASED BUSINESSES	Cat C Dom Equ	B THOMPSON STUDIO	2730 S 14TH ST	TACOMA WA 98405	327112 - Lamp bases, pottery, manufacturing, 335121 - Lamp shades (except glass, plastics), residential, manufacturing	Short Form	1/16/2019	2/1/2019
NA	Cat C Dom Equ	INTEGRATIVE THERAPEUTIC CARE	860 S 54TH ST	TACOMA WA 98408	621112 - Offices of Physicians Mental Health Specialists	Short Form	1/7/2019	1/16/2019
NA	Cat C Dom Equ	HARDIN ARMORY	3569 MCKINLEY AVE	TACOMA WA 98404	423910 - Sporting firearms and ammunition merchant wholesalers	Short Form		6/1/2016
NA	Cat C Dom Equ	WEYERHAEUSER NR COMPANY	3838 S 74TH ST	TACOMA WA 98409	321912 - Blanks, wood (e.g., bowling pins, handles, textile machinery accessories), manufacturing	Short Form	3/11/2019	4/12/2019
NA	Cat C Dom Equ	THE 105	3825 YAKIMA AVE	TACOMA WA 98418		Short Form	10/11/2018	11/2/2018
NA	Cat C Dom Equ	MCCLAINS SOIL SUPPLIES	3773 S 74TH ST	TACOMA WA 98409	48422 - Specialized Freight (except Used Goods) Trucking Local	Short Form	6/12/2019	6/25/2019
FIFE	Cat C Dom Equ	RESTAURANT DEPOT	6130 12TH ST E	FIFE WA 98424		Short Form	5/2/2018	
FIFE	Cat C Dom Equ	CUSTOM CONTROLS CORP	4630 16TH ST E B24	FIFE WA 98424	238210 - Electrical contractors	Short Form		9/16/2019
NA	Cat C Dom Equ	LEGACY TRANSPORT SERVICE	2007 STEWART ST	TACOMA WA 98421	483211 - Barge transportation, canal (freight)	Short Form	6/12/2019	7/11/2019
NA	Cat C Dom Equ	JONES ANIMAL HOSPITAL INC	3322 S UNION AVE	TACOMA WA 98409	54194 - Veterinary Services	Short Form	6/12/2019	6/24/2019
IWWDP	SIU	ORION MARINE CONTRACTOR'S INC.	1851 TAYLOR WAY	TACOMA WA 98421	237990 - Marine construction	Short Form	6/12/2019	6/24/2019
NA	IU	SHELL FOOD MART	1901 MARTIN LUTHER KING JR WAY	TACOMA WA 98405	447110 - Gasoline Stations with Convenience Stores	Short Form	6/12/2019	9/24/2019
NA	Cat B	HORLACHER GEOMETRY	1237 S GRANT AVE	TACOMA WA 98405	327991 - Cut Stone and Stone Product Manufacturing	Short Form	2/12/2019	3/4/2019
NA	IU	NW YAMAHA GOLF CARTS	1106 CENTER ST	TACOMA WA 98409		Short Form	6/12/2019	6/24/2019
HOME BASED BUSINESSES	Cat C Dom Equ	AAA HANDYMAN	3650 E PORTLAND AVE	TACOMA WA 98404	337110 - Wood Kitchen Cabinet and Countertop Manufacturing	Short Form	6/12/2019	6/25/2019
NA	Cat B	CROWN JEWELRY	772 S 38TH ST	TACOMA WA 98418		Short Form	6/12/2019	6/25/2019
NA	Cat B	BOB'S MACHINE SHOP	4315 S HOSMER ST	TACOMA WA 98418	332710 - Chemical milling job shops, 811411 - Engine repair, small engine	Short Form	3/11/2019	3/25/2019
NA	IU	PLANT WORKS	225 E 65TH ST	TACOMA WA 98404		Short Form	6/12/2019	7/9/2019
HOME BASED BUSINESSES	IU	UNCLE E'S CYCLES LLC	1106 S 59TH ST	TACOMA WA 98408	811490 - Motorcycle repair shops without retailing new motorcycles	Short Form	7/12/2019	6/24/2019
closed	Cat B	AUTO TRIM DESIGN LLC	3516 N HUSON ST	TACOMA WA 98407	327112 - Lamp bases, pottery, manufacturing, 441310 - Automotive Parts and Accessories Stores	Short Form	6/12/2019	6/24/2019
NA	IU	SCHNITZER STEEL INDUSTRIES, INC.	1902 MARINE VIEW DR	TACOMA WA 98422	33232 - Ornamental and Architectural Metal Products Manufacturing	Short Form	3/11/2019	3/25/2019
NA	IU	WALSH TRUCKING CO LTD	2916 SOUTH TACOMA WAY	TACOMA WA 98409	484110 - Bulk mail truck transportation, contract, local, 484110 - General Freight Trucking Local	Short Form	6/12/2019	6/24/2019
NA	Cat B	AUTO CORRECT AUTO REPAIR	4847 S WASHINGTON ST B	TACOMA WA 98409		Short Form	6/12/2019	6/24/2019
NA	Cat B	FEED COMMODITIES LLC	2006 E PORTLAND AVE	TACOMA WA 98421	311119 - Alfalfa meal, dehydrated, manufacturing, 311119 - Other Animal Food Manufacturing	Short Form	6/12/2019	7/1/2019

2019 Form 1
Master List of Businesses Surveyed

COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
IWWDP	SIU	BRADKEN - ATLAS	3021 S WILKESON ST	TACOMA WA 98409	331513 - Alloy steel castings (except investment), unfinished, manufacturing	Permit Application	1/15/2019	3/5/2019
IWWDP	SIU	POWDER COATING SYSTEMS	3133 S LAWRENCE ST	TACOMA WA 98409	33281 - Coating Engraving Heat Treating and Allied Activities	Short Form	6/12/2019	6/24/2019
NA	FSE	DESTINY CITY POP	6209 N 39TH ST	TACOMA WA 98407		Short Form	10/9/2019	10/31/2019
NA	IU	MICHAEL S ADAMS	2302 S UNION AVE	TACOMA WA 98405		Short Form		6/13/2019
NA	Cat B	HARBORLAND 2C LLC.	2216 E 11TH ST	TACOMA WA 98421	336611 - Barge building, 336611 - Ship Building and Repairing	Short Form	6/12/2019	6/24/2019
NA	Cat B	AMB TOOLS & EQUIPMENT	1215 CENTER ST	TACOMA WA 98409	532310 - General Rental Centers	Short Form	6/12/2019	6/25/2019
NA	Cat B	HOUSE OF SCOTT FUNERAL & CRMTN SVCS	1215 MARTIN LUTHER KING JR WAY	TACOMA WA 98405	812210 - Director services, funeral	Short Form	6/12/2019	6/24/2019
NA	FSE	SEAPRODUCKS	3011 CHANDLER ST	TACOMA WA 98409		Short Form		
NA	Cat B	KIM VIET JEWELRY	756 S 38TH ST	TACOMA WA 98418	44831 - Jewelry Stores	Short Form	6/12/2019	7/1/2019
NA	Cat C Dom Equ	PCC LOGISTICS -THORNE AVE	1157 THORNE RD	TACOMA WA 98421		Short Form	6/12/2019	6/25/2019
FIFE	MIU	MILGARD MANUFACTURING - PULTRUSION DIVISION	2935 70TH AVE E	TACOMA WA 98424	326199 - All Other Plastics Product Manufacturing	Short Form	9/4/2019	9/23/2019
NA	Cat B	BUTTON VETERINARY HSP INC	2909 S M ST	TACOMA WA 98409	541940 - Animal hospitals	Short Form	6/12/2019	6/24/2019
NA	Cat B	EPIC INDUSTRIAL SERVICES	2434 E 11TH ST	TACOMA WA 98421	561499 - Address bar coding services, 561499 - All Other Business Support Services, 811310 - Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	Short Form	6/12/2019	7/9/2019
NA	Cat B	KORZIN FABRICATIONS	2414 64TH AVE NE	TACOMA WA 98422		Short Form	6/12/2019	7/1/2019
FIFE	Cat B	Acf West Inc	2505 Frank Albert Rd E Ste 111	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	American Fast Freight, Inc	7400 45th Street Ct E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Animal Supply Co	2380 70th Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Balt Trade Llc	2505 Frank Albert Rd E Ste B119	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Camin Cargo Control	5013 Pacific Hwy E Ste 2	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Cdi Custom Curb Adapters	7218 45th Street Ct E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Cfm Consolidated, Inc	7009 45th Street Ct E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Chinook Roofing & Gutters	5113 Pacific Hwy E Ste 8	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Custom Electric & Controls	4630 16th St E Ste B24	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Drivelines Nw	4624 16th St E Ste A10	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Especially 4 You Llc	5013 Pacific Hwy E Ste 14	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Federal Express	2503 Frank Albert Rd E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Fife Auto Repair and Sales	3811 Taylor Way E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Geary Pacific Supply	2380 70th Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Jacks Auto Detailing & Rv Repair	6639 20th St E Apt 2	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Jaguar of Tacoma In Fife	1601 40th Avenue Ct E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Jiffy Lube #3178	4670 Pacific Hwy E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Jms Auto Salon-Fife	1700 Alexander Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Lusamerica Fish	1124 54th Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Milgard #79-3712 Mfg Plant	965 54th Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Milgard Manufacturing-Pultrusion Division	2935 70th Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Northwest Custom Cannery & Seafood	1124 54th Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Northwest Mini	3901 20th St E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Northwest Tool & Repair	1210 Willow Rd E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Orkin Pest Conrol	5113 Pacific Hwy E Ste 1W	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Pacent	6501 3rd Street Ct E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Patriot Fire Protection, Inc.	2707 70th Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Petrocard Fife	3200 20th St E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Premier Trailer Leasing	1403 62nd Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Restaurant Depot	6130 12th St E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Restaurant Technologies, Inc	7326 26th St E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Restor Dental Laboratory	5619 Valley Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Riverside Logistic Llc	3430 Destination Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Rusell's Express Llc	6506 43rd St E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Rv Country	5111 20th St E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Sea Sheet Metal	5013 Pacific Hwy E Ste 5	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Sea-Mar Community Health Center	2111 54th Ave E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Sunbelt Rentals-Fife	3901 Pacific Hwy E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Tacoma Rv Center	6300 Pacific Hwy E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Top Auto Body	5717 Pacific Hwy E	FIFE WA 98424		Short Form	9/4/2019	

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COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
FIFE	Cat B	Truck & Trailer Refrigeration	6214 16th St E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Union Pacific Railroad	3330 20th St E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Veterans Independent Enterprises of Washington	4630 16th St E Ste B16	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Volvo of Tacoma In Fife	1602 40th Avenue Ct E	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Ybb Auto Salon	1407 Willow Rd E Ste D	FIFE WA 98424		Short Form	9/4/2019	
FIFE	Cat B	Yrc Frieght 873	2807 70th Ave E	FIFE WA 98424		Short Form	9/4/2019	
NA	Cat B	7 ELEVEN #26857B	3115 6TH AVE	TACOMA WA 98406		Short Form	6/12/2019	
NA	Cat B	76 FOOD MART	1901 MARTIN LUTHER KING JR WAY	TACOMA WA 98405		Short Form	6/12/2019	
NA	Cat B	7-ELEVEN 6TH AND ORCHARD	5110 6TH AVE	TACOMA WA 98465		Short Form	6/12/2019	
NA	Cat B	ABACUS ELECTRIC CO.	652 E 11TH ST	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	ABBC-Wright Park 2 LLC	1020 N Tacoma Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	ABBC-Wright Park 2 LLC	820 6th Ave	TACOMA WA		Short Form	12/9/2019	
FIFE	Cat B	ABBOTT WEB DEVELOPMENT, LLC	4505 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	ABDIKADIR RASHID	6224 RADIANCE BLVD E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	ABOVE AND BEYOND FLOORING LLC	2715 62ND AVE E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	ABRA AUTO BODY AND GLASS	9007 S 19TH ST #200	TACOMA WA 98465		Short Form	3/11/2019	
NA	Cat B	ACE AGRISHOP	2012 S 12TH ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	Cat B	ACE AGRISHOP	2012 S 12TH ST	TACOMA WA 98405	423820 - Lawn maintenance machinery and equipment merchant wholesalers	Short Form	6/12/2019	6/24/2019
FIFE	Cat B	ACF WEST INC	2505 FRANK ALBERT RD E 111	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	ACF WEST INC	5400 N PEARL ST	TACOMA WA 98407		Short Form	3/11/2019	
NA	Cat B	AEGIS LEASING LLC	3303 S 35TH ST A 9	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	AFFORDABLE DENTURES TACOMA	3801 S STEELE ST D	TACOMA WA 98409	339116 - Dentures, custom made in dental laboratories	Short Form		10/8/2019
NA	Cat B	AGRO COULTURE	2919 S ALASKA ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	AHERN RENTALS	1754 THORNE RD	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	AIR SYSTEMS ENGINEERING INC	3602 S PINE ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	AIRGAS NOR PAC INC	2043 S 35TH ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	AJEY VARMA DDS PLLC	2302 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form		6/24/2019
FIFE	Cat B	AKKERMAN EXPRESS	2715 62ND AVE E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	ALBERT R BIRD DDS PS	4707 S JUNETT ST	TACOMA WA 98409	621210 - Offices of Dentists	Short Form	9/30/2019	
NA	Cat B	ALL POINTS MARINE LLC (STORAGE UNIT)	2928 MARINE VIEW DR	TACOMA WA 98422		Short Form	6/12/2019	
NA	Cat B	ALLENMORE HOSPITAL (MULTICARE HEALTH SYSTEM)	1901 S UNION AVE	TACOMA WA 98405		Short Form	6/12/2019	
NA	Cat B	ALSIDE WINDOW COMPANY	3101 S PINE ST	TACOMA WA 98409		Short Form	3/11/2019	
FIFE	Cat B	AMERICAN EAGLE WHEELS	2505 FRANK ALBERT RD E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	AMERICAN EAGLE WHEELS	924 MARTIN LUTHER KING JR WAY	TACOMA WA 98405		Short Form	3/11/2019	
FIFE	Cat B	AMERICAN FAST FREIGHT, INC	7400 45TH ST CT E	FIFE WA 98424	488510 - Agents, shipping	Short Form	6/12/2019	
FIFE	Cat B	AMERICAN FAST FREIGHT, INC	7400 45TH ST CT E	FIFE WA 98424		Short Form	6/12/2019	
FIFE	Cat B	AMERICAN FAST FREIGHT, INC	7400 45TH ST CT E	FIFE WA 98424		Short Form	8/30/2019	
FIFE	Cat B	AMERICAN FAST FREIGHT, INC	7400 45TH ST CT E	FIFE WA 98424		Short Form	10/9/2019	
NA	Cat B	AMERICAN FAST FREIGHT, INC	3322 S UNION AVE	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	AMERICAN SENSI COMPANY	1625 CENTER ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	AMERICOLD	1301 26TH AVE E	TACOMA WA 98424		Short Form	6/12/2019	
FIFE	Cat B	Americold Logistics LLC	1301 26th Ave E	FIFE WA 98424		Short Form	12/16/2019	
FIFE	Cat B	Americold Logistics LLC	1301 26th Ave E	FIFE WA 98424		Short Form	12/16/2019	
FIFE	Cat B	AMES INTERNATIONAL, INC.	4401 INDUSTRY DR E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	AMES INTERNATIONAL, INC.	3773 S 74TH ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	ANDREWS FIXTURE CO INC	1720 PUYALLUP AVE	TACOMA WA 98421		Short Form	10/9/2019	
FIFE	Cat B	ANDREY STEPCHUK	6221 DISCOVERY ST E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	ANGIS-N-DESIGN	6311 40TH STREET CT E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	ANIMAL SUPPLY CO	2380 70TH AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	ANIMAL SUPPLY CO	4315 S HOSMER ST	TACOMA WA 98418		Short Form	3/11/2019	
NA	Cat B	APA-THE ENGNRD WOOD ASSOC	7011 S 19TH ST B	TACOMA WA 98465		Short Form	10/9/2019	
NA	Cat B	APM TERMINALS	1671 LINCOLN AVE	TACOMA WA 98421	488320 - Loading and unloading services at ports and harbors	Short Form	6/12/2019	
NA	Cat B	APM TERMINALS	1671 LINCOLN AVE	TACOMA WA 98421	488320 - Loading and unloading services at ports and harbors	Short Form	8/24/2019	
NA	Cat B	APP PETRO CARD LOCK	1214 PUYALLUP AVE	TACOMA WA 98421	424720 - Crude oil merchant wholesalers (except bulk stations, terminals)	Short Form	6/12/2019	
NA	Cat B	APP PETRO CARD LOCK	1214 PUYALLUP AVE	TACOMA WA 98421		Short Form	6/12/2019	
NA	Cat B	APP PETRO CARD LOCK	1214 PUYALLUP AVE	TACOMA WA 98421		Short Form	8/30/2019	
NA	Cat B	APP PETRO CARD LOCK	1214 PUYALLUP AVE	TACOMA WA 98421		Short Form	10/9/2019	
NA	Cat B	App Petro Card Lock	1214 Puyallup Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	ARCHITECTURAL WOODS INC	801 E 25TH ST	TACOMA WA 98421	423310 - Building board (e.g., fiber, flake, particle) merchant wholesalers	Short Form	6/12/2019	
NA	Cat B	ARCO AM/PM CMSI#3566	8247 PACIFIC AVE	TACOMA WA 98408		Short Form	6/12/2019	
NA	Cat B	ARCO AM/PM CMSI#3567	1101 N PEARL ST	TACOMA WA 98406		Short Form	6/12/2019	7/1/2019
NA	Cat B	ART MORRISON ENTERPRISES, INC.	1209 ST PAUL AVE	TACOMA WA 98421		Short Form	3/11/2019	
FIFE	Cat B	ART N STITCHES	5013 PACIFIC HWY E	FIFE WA 98424		Short Form	6/12/2019	

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NA	Cat B	ART N STITCHES	2712 PACIFIC AVE	TACOMA WA 98402		Short Form	3/11/2019	
NA	Cat B	ASC PROFILES INC	2141 MILWAUKEE WAY	TACOMA WA 98421		Short Form	10/9/2019	
NA	Cat B	ASSOCIATED MATERIALS	3838 S 74TH ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	ASSOCIATED PETROLEUM PRODUCTS	2320 MILWAUKEE WAY	TACOMA WA 98421	424720 - Crude oil merchant wholesalers (except bulk stations, terminals)	Short Form	6/12/2019	
NA	Cat B	AUDI TACOMA	2515 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	AUSTIN'S PR/MX PRFRMC LLC	5602 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	AUTO CORRECT AUTO REPAIR	4847 S WASHINGTON ST B	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	AUTO REPAIR EL VALLE	5011 S WASHINGTON ST	TACOMA WA 98409		Short Form	8/30/2019	
NA	Cat B	AUTO TRIM DESIGN LLC	3516 N HUSON ST	TACOMA WA 98407		Short Form	6/12/2019	
NA	Cat B	AUTOMOTIVE PAINT SPECIALTY	2902 S M ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	AUTOMOTIVE PAINT SPECIALTY	5005 PACIFIC HWY E	TACOMA WA 98424		Short Form	6/12/2019	
NA	Cat B	AUTOMOTIVE SERVICE CENTER	3537 E PORTLAND AVE	TACOMA WA 98404		Short Form	6/12/2019	
NA	Cat B	B THOMPSON STUDIO	2730 S 14TH ST	TACOMA, WA 98405		Short Form	3/11/2019	
FIFE	Cat B	BACCUS DETAILING	5601 N 37TH ST CC7	TACOMA WA 98407		Short Form	6/12/2019	
NA	Cat B	BAER AND SMITH FAMILY DENTAL	1628 S MILDRED ST 206	TACOMA WA 98465	62121 - Offices of Dentists	Short Form		6/17/2019
FIFE	Cat B	BAGEL BOYZ BISTRO	4630 16TH ST E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	BAGEL BOYZ BISTRO	5408 S PROCTOR ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	BALLY GAMING/BALLY TECHNOLOGIE	801 E 25TH ST	TACOMA WA 98421		Short Form	3/11/2019	
FIFE	Cat B	BALT TRADE LLC	5225 7TH ST E	FIFE WA 98424		Short Form	3/11/2019	
FIFE	Cat B	BALT TRADE LLC	2505 FRANK ALBERT RD E B-119	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	BAYDO'S RV SERVICE CENTER II	1763 S JACKSON AVE	TACOMA WA 98465		Short Form	3/11/2019	
NA	Cat B	BAYSIDE EMBROIDERY & SCREENPRINT	3003 S HUSON ST A	TACOMA WA 98409	313311 - Bleaching broadwoven fabrics	Short Form	6/12/2019	
NA	Cat B	BELINA INTERIORS INC	4540 S ADAMS ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	BENCHMARK CUSTOM CABINETS INC	6220 SOUTH TACOMA WAY	TACOMA WA 98409	337110 - Bathroom vanities (except freestanding), stock or custom wood, manufacturing	Short Form	6/12/2019	
NA	Cat B	BENCHMARK CUSTOM CABINETS INC	6220 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	8/30/2019	
NA	Cat B	BENCHMARK CUSTOM CABINETS INC	6220 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	BENTSON PRINTING CO	120 N TACOMA AVE	TACOMA WA 98403		Short Form	10/9/2019	
NA	Cat B	BIG TRUCK SERVICE	2021 MARC AVE	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	BJ'S BREW PUB	4502 S STEELE ST 1500	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	BLACK FLEET BREWING	2302 FAWCETT AVE	TACOMA WA 98402		Short Form	6/12/2019	
NA	Cat B	BLISS SMALL BATCH CREAMERY	4040 ORCHARD ST W	TACOMA WA 98466		Short Form	6/12/2019	
NA	Cat B	BMW NORTHWEST	1157 THORNE RD	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	BNSF RAILWAY	610 E 21ST ST	TACOMA WA 98421		Short Form	10/9/2019	
NA	Cat B	BNSF RAILWAY - EAST YARD	2221 E RIVER ST	TACOMA WA 98421	488210 - Freight car cleaning services, 488210 - Railroad terminals, independent operation	Short Form	6/12/2019	
NA	Cat B	BNSF RAILWAY - EAST YARD	2221 E RIVER ST	TACOMA WA 98421		Short Form	8/30/2019	
NA	Cat B	BNSF RAILWAY - EAST YARD	2221 E RIVER ST	TACOMA WA 98421		Short Form	10/9/2019	
FIFE	Cat B	BON LARDER, LLC	2501 DAVID CT E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	BONNEVILLE POWER ADMINISTRATION	3702 TAYLOR WAY	TACOMA WA 98421		Short Form	6/12/2019	
NA	Cat B	Bonneville Power Administration	3702 Taylor Way	TACOMA WA		Short Form	12/9/2019	
FIFE	Cat B	BPI MEDICAL, INC.	4813 PACIFIC HWY EAST	FIFE WA 98424		Short Form	10/9/2019	
NA	Cat B	BRIGHT NOW DENTAL	4027 TACOMA MALL BLVD	TACOMA WA 98409		Short Form		10/23/2019
NA	Cat B	BRIGHT SMILE DENTAL	15 OREGON AVE	TACOMA WA 98409		Short Form		
NA	Cat B	BROADWAY MORRIS TRADE COMPANY	1501 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	Broadway Morris Trade Company	1501 South Tacoma WA	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	BUCKY'S FIFE	6229 S ADAMS ST A	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	BUFFELEN WOODWORKING CO	1901 TAYLOR WAY	TACOMA WA 98421	321918 - Baseboards, floor, wood, manufacturing	Short Form	6/12/2019	7/11/2019
NA	Cat B	BUTTON VETERINARY HSP INC	2909 S M ST	TACOMA WA 98409	541940 - Animal hospitals	Short Form	6/12/2019	
NA	Cat B	CABLE CRAFT	4401 S ORCHARD ST	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	Cat B	CALIBER COLLISION CENTERS	3909 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	CAM FACILITIES	4505 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	CAMIN CARGO CONTROL	5013 PACIFIC HWY E #2	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	CAMIN CARGO CONTROL	3131 S LAWRENCE ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	CAMPING WORLD	5407 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	CAR PROS KIA	7230 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	CARBIDE PROCESSORS INC	3847 S UNION AVE	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	CARDINAL HEALTH	1112 E ALEXANDER AVE	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	CARLOS AUTO REPAIR	1422 E 60TH ST	TACOMA WA 98404		Short Form	6/12/2019	
NA	Cat B	CASCADE FRICTION MATERIALS	314 PUYALLUP AVE	TACOMA WA 98421		Short Form	10/9/2019	
NA	Cat B	CASCADE MILLWORK & SUPPLY CO. (CMS)	2302 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	CATCHALL ENVIRONMENTAL	3211 CENTER ST	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	Cat B	CDI CUSTOM CURB ADAPTERS	7218 45TH STREET CT E	FIFE WA 98421		Short Form	6/12/2019	
NA	Cat B	CDI CUSTOM CURB ADAPTERS	2722 A ST	TACOMA WA 98402		Short Form	3/11/2019	
NA	Cat B	CEDAR DENTAL CARE	1901 S CEDAR ST 106	TACOMA WA 98405	62121 - Offices of Dentists	Short Form		

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COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
NA	Cat B	CENTER ELECTRIC INC.	1212 S 30TH ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	CFM CONSOLIDATED. INC	756 S 38TH ST	TACOMA WA 98418		Short Form	3/11/2019	
NA	Cat B	CFM CONSOLIDATED. INC	7009 45TH STREET CT E	TACOMA WA 98424		Short Form	6/12/2019	
NA	Cat B	CFN-APP SOUTH TACOMA WAY	3224 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	CHAOS PLUS LLC	1565 CENTER ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	CHI FRANCISCAN REHABILITATION HOSPITAL	815 S VASSAULT ST	TACOMA WA 98465		Short Form	6/12/2019	
NA	Cat B	CHI Medical Center Attn: Business Operations	1708 Yakima Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	CHI Medical Center Attn: Business Operations	1708 Yakima Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	CHIHULY STUDIO	1401 ST PAUL AVE	TACOMA WA 98421		Short Form	6/12/2019	
NA	MIU	CHIHULY STUDIO	1401 ST PAUL AVE	TACOMA WA 98421	32721 - Glass and Glass Product Manufacturing	Short Form	5/8/2019	
FIFE	Cat B	CHINOOK ROOFING & GUTTERS	5113 PACIFIC HWY E #8	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	CHINOOK ROOFING & GUTTERS	2120 PORT OF TACOMA RD	TACOMA WA 98421		Short Form	3/11/2019	
NA	FSE	CHOWTOWN	1602 S MILDRED ST	TACOMA WA 98465		Short Form		10/18/2019
NA	Cat B	CITY GLASS & UPHOLSTERY INC	1943 TACOMA AVE S	TACOMA WA 98402		Short Form	10/9/2019	
NA	Cat B	CITY OF FIFE PUBLIC WORKS	2940 S M ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	CLARK DENTAL GROUP	3402 S 38TH ST	TACOMA WA 98409	62121 - Offices of Dentists	Short Form		10/10/2019
NA	Cat B	CLASSIC CURRENT	418 S 59TH ST	TACOMA WA 98408		Short Form	6/12/2019	
NA	Cat B	CLASSIC MARBLE INTERIORS, INC.	2526 FAWCETT AVE	TACOMA WA 98402		Short Form	10/9/2019	
NA	Cat B	CLEAN ENERGY CORP	1215 MARTIN LUTHER KING JR WAY	TACOMA WA 98405		Short Form	3/11/2019	
NA	Cat B	CLEARWAY GRAPHICS	4720 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	Clearway Graphics	4720 South Tacoma Way	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	COCA COLA BOTTLING	1840 MARINE VIEW DR	TACOMA WA 98422		Short Form	3/11/2019	
FIFE	Cat B	COLOR SPECTRUM	6028 PARK ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	COMMENCEMENT BAY MARINE SERVICES	820 E D ST	TACOMA WA 98421		Short Form	10/9/2019	
NA	Cat B	Community Health Care	1102 S I St	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	Comprehensive Mental Health	1201 S Proctor St	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	Comprehensive Mental Health	1305 Tacoma Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	Comprehensive Mental Health	815 S Pearl St	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	CONCRETE SERVICES INC	455 ST HELENS AVE B	TACOMA WA 98402		Short Form	3/11/2019	
NA	Cat B	CONCRETE TECHNOLOGY CORP	1123 PORT OF TACOMA RD	TACOMA WA 98421		Short Form	10/9/2019	
NA	Cat B	CONSOLIDATED PRESS LLC	5423 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	3/11/2019	
FIFE	Cat B	COPY WRIGHTS	5715 PACIFIC HWY E	FIFE WA 98424		Short Form	8/30/2019	
FIFE	Cat B	COPY WRIGHTS	5715 PACIFIC HWY E	FIFE WA 98424		Short Form	10/9/2019	
NA	Cat B	COREYS MOBILE AUTO DETALING	3715 30TH AVE CT NW	GIG HARBOR WA 98335		Short Form	6/12/2019	
NA	Cat B	CORNER AND FLASHING PRESS LLC	3907 E Q ST	TACOMA WA 98404		Short Form	6/12/2019	
FIFE	Cat B	CORT PARTY RENTAL	2523 PACIFIC HWY S	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	COT FIRE STATION #12	8407 S 16TH ST	TACOMA WA 98465		Short Form	3/11/2019	
NA	Cat B	COT FIRE STATION #8	4911 S ALASKA ST	TACOMA WA 98408		Short Form	10/9/2019	
FIFE	Cat B	CUSTOM ELECTRIC & CONTROLS	4630 16TH ST E B24	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	CUSTOM ELECTRIC & CONTROLS	3701 N 18TH ST	TACOMA WA 98406		Short Form	3/11/2019	
NA	Cat B	CUSTOM IMPRESSIONS	3003 S HUSON ST A	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	CUSTOM IMPRESSIONS	3003 S HUSON ST A	TACOMA WA 98409		Short Form	8/30/2019	
NA	Cat B	CUSTOM IMPRESSIONS	3003 S HUSON ST A	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	Cat B	CYCLONE SERVICES LLC	5225 7TH ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	D & B TRUCKING	1905 LINCOLN AVE	TACOMA WA 98421		Short Form	10/9/2019	
FIFE	Cat B	DAIMA PLACE ADULT FAMILY HOME LLC	6528 DISCOVERY ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	DARINKA'S TIRE SHOP	8216 PACIFIC AVE	TACOMA WA 98408		Short Form	6/12/2019	
NA	Cat B	Darinka's Tire Shop	8216 Pacific Ave, Bldg 1	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	DASHBOARDS SKIMBOARD COMPANY, LLC	1334 FAWCETT AVE A	TACOMA WA 98402		Short Form	3/11/2019	
NA	Cat B	DAT P. GIAP, D.M.D.	709 S 38TH ST	TACOMA WA 98418	621210 - DMDs' (doctors of dental medicine) offices (e.g., centers, clinics)	Short Form	11/21/2019	11/21/2019
FIFE	Cat B	DATASUPPLY COMPANY, INC.	4624 16TH ST E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	DATASUPPLY COMPANY, INC.	2221 N 30TH ST	TACOMA WA 98403		Short Form	3/11/2019	
NA	Cat B	David Seele Firestone/Bridgestone	5907 6th Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	DELTA TOOLING INC	5407 S MADISON ST	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	Cat B	DENNY'S RESTAURANT #7533	5110 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	DESTINATION HARLEY DAVIDSON	4842 S ADAMS ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	DISTINCTIVE DENTISTRY	2101 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	DOC-1708 S Yakima St Mob LLC C/O Engie Insight-MS 6450	1708 Yakima Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	DOORSTEP VETRINARY MEDICINE	4102 N VERDE ST	TACOMA WA 98407	541940 - Animal hospitals	Short Form	6/12/2019	
NA	Cat B	DOORSTEP VETRINARY MEDICINE	4102 N VERDE ST	TACOMA WA 98407		Short Form	6/12/2019	
closed	Cat C Dom Equ	DOORSTEP VETRINARY MEDICINE	4102 N VERDE ST	TACOMA WA 98407	541940 - Animal hospitals	Short Form	6/12/2019	7/1/2019
FIFE	Cat B	DRIVELINES NW	4624 16TH ST E #A-10	FIFE WA 98424		Short Form	6/12/2019	
FIFE	Cat B	DRIVELINES NW	4624 16TH ST E #A-10	FIFE WA 98424	423120 - Motor Vehicle Supplies and New Parts Merchant Wholesalers	Short Form	8/30/2019	9/18/2019

2019 Form 1
Master List of Businesses Surveyed

COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
NA	Cat B	DRIVELINES NW	2505 S 80TH ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	DUKE N. DUI FAMILY DENTISTRY	5631 TACOMA MALL BLVD	TACOMA WA 98409	62121 - Offices of Dentists	Short Form	11/25/2019	11/26/2019
NA	Cat B	DURHAM SCHOOL SERVICES	3212 S SPRAGUE AVE	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	DYSTOPIAN STATE BREWING	611 S BAKER ST	TACOMA WA 98402		Short Form	6/12/2019	
NA	Cat B	E9 BREWERY AND TAPROOM	2506 FAWCETT AVE	TACOMA WA 98402		Short Form	6/12/2019	
NA	Cat B	ECOLIBRI AUTO REPAIR	4710 S WASHINGTON ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	ECOLUBE RECOVERY	401 E ALEXANDER AVE 326	TACOMA WA 98421		Short Form	6/12/2019	
NA	Cat B	EKO UNI	448 E 18TH ST	TACOMA WA 98421		Short Form	10/9/2019	
NA	Cat B	ELITE INTERNATIONAL AUTO REPAIR	1302 E 56TH ST	TACOMA WA 98404		Short Form	6/12/2019	
NA	Cat B	Elite International Auto Repair	1302 E 56th St	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	ELKS TEMPLE - MCMENAMINS HOTEL AND BREWERY	565 BROADWAY	TACOMA WA 98402		Short Form	6/12/2019	
NA	Cat B	ELLIS MACHINERY & EQUIPMENT INC	550 DOCK ST	TACOMA WA 98402		Short Form	3/11/2019	
NA	Cat B	EMOJA LOVELOCK HASLAM	1325 S HIGHLAND AVE	TACOMA WA 98465		Short Form	6/12/2019	
NA	Cat B	Emoji Lovelock Haslam	1325 S Highland Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	EMPYREAL CANNABIS	3303 S 35TH ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	ENTERPRISE RENT A CAR	4840 S WASHINGTON ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	Enterprise Rent a Car	4840 S Washington St	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	ENTERPRISE RENT -A- CAR	114 S 23RD ST	TACOMA WA 98402		Short Form	3/11/2019	
NA	Cat B	ENTERPRISE RENT A CAR - MARKET ST	940 MARKET ST	TACOMA WA 98402		Short Form	6/12/2019	
NA	Cat B	Enterprise Rent a Car - Market St	940 Market St	TACOMA WA		Short Form	12/9/2019	
NA	MIU	EPIC INDUSTRIAL SERVICES	2434 E 11TH ST	TACOMA WA 98421	801499 - Address Bar Coding Services, 801499 - All Other Business Support Services, 811110 - Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and	Short Form	6/12/2019	
NA	Cat B	ERKER'S AUTO AND TRUCK REPAIR	5812 S ADAMS ST A	TACOMA WA 98409		Short Form	3/11/2019	
FIFE	Cat B	ESPECIALLY 4 YOU LLC	5013 PACIFIC HWY E #14	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	ESPECIALLY 4 YOU LLC	8328 S PARK AVE	TACOMA WA 98408		Short Form	3/11/2019	
FIFE	Cat B	ESTATE IMAGING	5013 PACIFIC HWY E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	ESTATE IMAGING	1902 MARINE VIEW DR	TACOMA WA 98422		Short Form	3/11/2019	
DENTAL	Cat B	EVERLAST FAMILY DENTAL CLINIC LLC	3609 S 19TH ST	TACOMA WA 98405	621210 - Offices of Dentists	Short Form		11/15/2019
NA	Cat B	EWING IRRIGATION	2901 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	8/30/2019	
NA	Cat B	EWING IRRIGATION	2901 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	F & D MANAGEMENT	3303 S 35TH ST 12	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	FAIRCHILD FREIGHT LLC	9027 PACIFIC AVE #2	TACOMA WA 98444		Short Form	3/11/2019	
NA	Cat B	FEDERAL EXPRESS	1111 A ST	TACOMA WA 98402		Short Form	3/11/2019	
NA	Cat B	FEDERAL EXPRESS	2503 FRANK ALBERT RD E	TACOMA WA 98424		Short Form	6/12/2019	
NA	Cat B	FEDEX FREIGHT	1650 MARINE VIEW DR	TACOMA WA 98422		Short Form	3/11/2019	
FIFE	Cat B	FIFE AUTO REPAIR AND SALES	3811 TAYLOR WAY EAST	FIFE WA 98424	811111 - Automotive engine repair and replacement shops	Short Form	6/12/2019	
FIFE	Cat B	FIFE AUTO REPAIR AND SALES	3811 TAYLOR WAY EAST	FIFE WA 98424		Short Form	8/30/2019	
FIFE	Cat B	FIFE AUTO REPAIR AND SALES	3811 TAYLOR WAY EAST	FIFE WA 98424	811111 - Automotive engine repair and replacement shops	Short Form	9/4/2019	9/16/2019
NA	Cat B	FIFE AUTO REPAIR AND SALES	2216 E 11TH ST	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	FIFE AUTO SPA	716 PACIFIC AVE	TACOMA WA 98402		Short Form	3/11/2019	
NA	Cat B	FIFE CLINIC, INC.	4802 S PROCTOR ST	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	FIFE RECOVERY SERVICE	5105 N 46TH ST	TACOMA WA 98407		Short Form	3/11/2019	
FIFE	Cat B	FIFE RV, INC.	3520 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	FIFE SAND AND GRAVEL, LIMITED LIABILITY COM	3120 FREEMAN RD E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	FIFE SCHOOL DIST. BUS SHOP	9430 MCKINLEY AVE	TACOMA WA 98445		Short Form	3/11/2019	
NA	Cat B	FIRESTONE TIRE & SERVICE CENTER #31A	5907 6TH AVE	TACOMA WA 98406		Short Form	6/12/2019	
NA	Cat B	Firestone/Bridgestone Tire & Service Center #31a	5907 6th Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	FIVE STAR AUTO BODY	6633 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	Five Star Auto Body	6933 South Tacoma Way	TACOMA WA		Short Form	12/9/2019	
FIFE	Cat B	FLAIR FLEXIBLE PACKAGING CORPORATION (WASHINGTON	7217 45TH STREET CT E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	FLAIR FLEXIBLE PACKAGING CORPORATION (WASHINGTON	315 E 26TH ST	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	FLAVORWORKS	1627 S 94TH ST	TACOMA WA 98444		Short Form	3/11/2019	
FIFE	Cat B	FORWARD AIR FREIGHT	2507 FRANK ALBERT RD E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	FORWARD AIR FREIGHT	804 E 56TH ST	TACOMA WA 98404		Short Form	3/11/2019	
NA	Cat B	FRED MEYER #390	4505 S 19TH ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	Cat B	FRED TEBB & SONS INC	1906 MARC AVE	TACOMA WA 98421	321918 - Baseboards, floor, wood, manufacturing, 321918 - Other Millwork (including Flooring)	Short Form	6/12/2019	
NA	Cat B	FRONTLINE FINISH LLC	10107 F ST	TACOMA, WA 98445		Short Form	3/11/2019	
NA	Cat B	FULL CONTAINER RECOVERY	2909 S M ST	TACOMA WA 98409		Short Form	3/11/2019	
FIFE	Cat B	GATES UNDERGROUND LLC	39710 23RD AVE S	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	GEARY PACIFIC SUPPLY	2380 70TH AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	GEARY PACIFIC SUPPLY	1616 ST PAUL AVE	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	GENE PANKEY MOTOR CO. INC.	7201 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	Cat B	GENERAL FORWARDERS	5013 PACIFIC HWY E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	GENERAL FORWARDERS	5201 BROAD VIEW AVE NE	TACOMA WA 98422		Short Form	3/11/2019	

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Master List of Businesses Surveyed

COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
NA	Cat B	GENERATION 1	1126 E 69TH ST	TACOMA WA 98404		Short Form	6/12/2019	
NA	Cat B	GESSEL ORTHODONTICS	1628 S MILDRED ST 201	TACOMA WA 98465		Short Form	6/18/2019	6/24/2019
NA	Cat B	GIG HARBOR BOAT WORKS	2940 S M ST	TACOMA WA 98409	336612 - Air boat building	Short Form	6/12/2019	
NA	Cat B	GIG HARBOR BOAT WORKS	2940 S M ST	TACOMA WA 98409		Short Form	8/30/2019	
NA	Cat B	GIG HARBOR BOAT WORKS	2940 S M ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	GK AUTO	8521 18TH AVE E	TACOMA WA 98445		Short Form	6/12/2019	
NA	Cat B	Gk Auto	8521 18th Ave E	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	GLOBAL AGRI-TRADE CORP	5219 4TH ST E	TACOMA WA 98424		Short Form	6/12/2019	
FIFE	Cat B	Global Agri-Trade Corporation	5219 4th St E	FIFE WA 98424		Short Form	12/16/2019	
NA	Cat B	GLOBALTECH PLASTICS	801 E 26TH ST	TACOMA WA 98421		Short Form	3/11/2019	
FIFE	Cat B	GOLDEN ARM LLC	3721 TRIBUTE AVE E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	GOODYEAR TIRE & RUBBER #8827	3101 PACIFIC HWY E	FIFE WA 98424		Short Form	10/9/2019	
NA	Cat B	GOODYEAR TIRE & RUBBER #8827	3602 S CEDAR ST B	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	GRANT DENTURE CLINIC	2902 S 74TH ST	TACOMA WA 98409	62121 - Offices of Dentists	Short Form		9/26/2019
NA	Cat B	GREENBRIER RAIL SERVICES	1424 THORNE RD	TACOMA WA 98421		Short Form	10/9/2019	
NA	Cat B	GREENLEAF LANDSCAPING	3001 S HUSON ST C1	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	Greenleaf Landscaping	3001 S Huston St, Ste C1	TACOMA WA		Short Form	12/9/2019	
FIFE	Cat B	GREENSOURCE BRAND APPAREL, INC.	3602 FREEMAN RD E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	GREGORY J PLNCCH DDS INC	2312 N 30TH ST	TACOMA WA 98403	62121 - Offices of Dentists	Short Form	11/25/2019	11/26/2019
NA	Cat B	GRIOT'S GARAGE	3333 S 38TH ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	GRISWOLD PERFORMANCE	3320 LINCOLN AVE	TACOMA WA 98421		Short Form	3/11/2019	
FIFE	Cat B	GSC MECHANICAL, LLC	5009 PACIFIC HWY E #9	FIFE WA 98424		Short Form	10/9/2019	
NA	Cat B	GSC MECHANICAL, LLC	3003 S HUSON ST A	TACOMA WA 98409		Short Form	3/11/2019	
FIFE	Cat B	GT AUTO PROPERTIES	5121 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	H&H DIESEL	11410 246TH AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	H&H DIESEL	1640 MARC AVE	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	HAMMONDKNOLL	3320 S G ST	TACOMA WA 98418		Short Form	10/9/2019	
NA	Cat B	HARMON TAPROOM & BREWERY	204 ST HELENS AVE	TACOMA WA 98402		Short Form	6/12/2019	
NA	Cat B	HERC EQUIPMENT RENTAL	1980 MILWAUKEE WAY	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	HEWITT CABINETS AND INTERIORS	3301 S LAWRENCE ST	TACOMA WA 98409	337110 - Bathroom vanities (except freestanding), stock or custom wood, manufacturing	Short Form	6/12/2019	
NA	Cat B	HEWITT CABINETS AND INTERIORS	3301 S LAWRENCE ST	TACOMA WA 98409		Short Form	8/30/2019	
NA	Cat B	HEWITT CABINETS AND INTERIORS	3301 S LAWRENCE ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	HEWITT CABINETS AND INTERIORS	3301 S LAWRENCE ST	TACOMA WA 98409	337110 - Bathroom vanities (except freestanding), stock or custom wood, manufacturing	Short Form		10/18/2019
NA	Cat B	HI GLOSS PHOTO SERVICE	1010 MARTIN LUTHER KING JR WAY	TACOMA WA 98405	812921 - Film developing and printing (except motion picture, one-hour)	Short Form	6/12/2019	
NA	Cat B	HINSHAWS ACURA	2916 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	3/11/2019	
NA	Cat B	HOAK GREEN	1502 CENTER ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	Hoak Green	1502 Center St	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	HOLROYD COMPANY, INC.-74TH STR.	3773 S 74TH ST	TACOMA WA 98409	212321 - Common sand quarrying and/or beneficiating, 212321 - Construction Sand and Gravel Mining	Short Form	6/12/2019	
NA	Cat B	HOLROYD COMPANY, INC.-74TH STR.	3773 S 74TH ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	HOLROYD COMPANY, INC.-74TH STR.	3773 S 74TH ST	TACOMA WA 98409		Short Form	8/30/2019	
NA	Cat B	HOLROYD COMPANY, INC.-74TH STR.	3773 S 74TH ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	Home Owner	819 S 9th St	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	HONDA OF FIFE	1420 PORT OF TACOMA RD	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	HONEY HOUSE NATURALS	2320 MILWAUKEE WAY	TACOMA WA 98421		Short Form	3/11/2019	
NA	Cat B	HOSMER 76 & CAR WASH	8235 S HOSMER ST	TACOMA WA 98408		Short Form	6/12/2019	
NA	Cat B	HOUSE OF SCOTT FUNERAL & CRMTN SVCS	1219 MARTIN LUTHER KING JR WAY	TACOMA WA 98405	812210 - Director services, funeral	Short Form	6/12/2019	
NA	Cat B	HOYA VISION CARE	2330 S 78TH ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	HUGHES FIRE EQUIPMENT	5011 S BURLINGTON WAY	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	HUGHES FIRE EQUIPMENT	5011 S BURLINGTON WAY	TACOMA WA		Short Form	12/9/2019	
FIFE	Cat B	Human Life of Washington	5013 Pacific Hwy E, Ste 5	FIFE WA 98424		Short Form	12/16/2019	
NA	Cat B	HUMAN LIFE OF WASHINGTON	5013 PACIFIC HWY E #5	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	HYDRO EMPIRE	3303 S 35TH ST B 8	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	Hydro Empire	3303 S 35th St, Ste. B8	TACOMA WA		Short Form	12/9/2019	
FIFE	Cat B	ILLMATIC ELECTRIC	6618 RADIANCE BLVD E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	IMPORT CITY MOTORS	6420 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	6/12/2019	
NA	FSE	INCLINE CIDER HOUSE	2115 S C ST	TACOMA WA 98402		Short Form		10/21/2019
FIFE	Cat B	INDUSTRIAL RESEARCH PRODUCTS	2505 FRANK ALBERT RD	FIFE WA 98424		Short Form	10/9/2019	
NA	FSE	INFINITE SOUPS	445 TACOMA AVE S	TACOMA WA 98402		Short Form		12/4/2019
NA	Cat B	INTERSTATE TRUCK REPAIR	2620 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	Interstate Truck Repair	2620 South Tacoma Way	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	Interstate Truck Repair	2620 South Tacoma Way	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	IR SPECIALTY FOAM LLC	2302 MILWAUKEE WAY	TACOMA WA 98401		Short Form	3/11/2019	
NA	Cat B	J&G Marine Supply/Alaskan Ice Seafoods	1690 MARINE VIEW DR, STE B	TACOMA WA		Short Form	12/10/2019	

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Master List of Businesses Surveyed

COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
FIFE	Cat B	JACKS AUTO DETAILING & RV REPAIR	6639 20TH ST E 2	FIFE WA 98424		Short Form	6/12/2019	
FIFE	Cat B	JAGUAR OF TACOMA IN FIFE	1601 40TH AVENUE CT E	FIFE WA 98424		Short Form	6/26/2018	
FIFE	Cat B	JAGUAR OF TACOMA IN FIFE	1601 40TH AVENUE CT E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	James Downing Firestone/Bridgestone	5907 6th Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	Jc Marine Services	7635 Elaine St Way	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	JESSE ENGINEERING - YARD 4	1840 MARINE VIEW DR	TACOMA WA 98422	332312 - Barge sections, prefabricated metal, manufacturing	Short Form	6/12/2019	7/9/2019
NA	Cat B	Jesus Muffler & Radiator	4003 McKinley Ave	TACOMA WA		Short Form	12/9/2019	
NA	Cat B	JESUS MUFFLER & RADIATOR REPAIR	4003 MCKINLEY AVE	TACOMA WA 98404		Short Form	6/12/2019	
FIFE	Cat B	JIFFY LUBE #3178	4670 PACIFIC HWY E	FIFE WA 98424		Short Form	6/12/2019	
NA	Cat B	JIFFY LUBE #888	7056 PACIFIC AVE	TACOMA WA 98408		Short Form	6/12/2019	
NA	Cat B	Jiffy Lube #888	7056 Pacific Ave	TACOMA WA		Short Form	12/9/2019	
FIFE	Cat B	JL INVESTMENTS & CONTRACTORS , LLC	3426 CELEBRATION AVE E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	JMS AUTO SALON-FIFE	1700 ALEXANDER AVE E	FIFE WA 98424		Short Form	6/12/2019	
FIFE	Cat B	JOE'S DELI	3216 20TH ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	JOHNSON CANDY CO	324 MARTIN LUTHER KING JR	TACOMA WA 98405	31133 - Confectionery Manufacturing from Purchased Chocolate	Short Form	3/25/2019	4/1/2019
NA	Cat B	JOHNSON CANDY CO	324 MARTIN LUTHER KING JR	TACOMA WA 98405	31133 - Confectionery Manufacturing from Purchased Chocolate	Short Form	6/12/2019	
NA	Cat B	JR REDDING	3005 CHANDLER ST	TACOMA WA 98409	811420 - Aircraft upholstery repair	Short Form	6/12/2019	7/9/2019
NA	Cat B	KARBAKHSCH PERIODONTCS&IMPLNTS PLLC	2302 S UNION AVE	TACOMA WA 98405		Short Form		
NA	Cat B	KIM VIET JEWELRY	756 S 38TH ST	TACOMA WA 98418	44831 - Jewelry Stores	Short Form	6/12/2019	
NA	Cat B	KLEEN BLAST	1448 ST PAUL AVE	TACOMA WA 98421		Short Form	6/12/2019	
FIFE	Cat B	KT AUTO SALES INC	3410 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	KUNEY CONSTRUCTION	3032 S CEDAR ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	KUSTOM MATERIAL LAMINATOR	1616 ST PAUL AVE	TACOMA WA 98421	357110 - Bathroom vanities (except freestanding), stock or custom wood, manufacturing, 357110 - Wood Kitchen Cabinet and Countertop Manufacturing	Short Form	6/12/2019	6/24/2019
NA	Cat B	Larry Magee Firestone/Bridgestone	5907 6th Ave	TACOMA WA		Short Form	12/9/2019	
FIFE	Cat B	LEAN ENVIRONMENT	4500 15TH ST E	FIFE WA 98424	541620 - Environmental consulting services	Short Form	2/4/2019	2/25/2019
NA	Cat B	LENS CRAFTERS	4502 S STEELE ST 304	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	LIANGA PACIFIC INC	2120 PORT OF TACOMA RD	TACOMA WA 98421	321918 - Baseboards, floor, wood, manufacturing	Short Form	6/12/2019	6/24/2019
NA	Cat B	LIGHT DENTAL STUDIOS	5225 TACOMA MALL BLVD E 104	TACOMA WA 98409	62121 - Offices of Dentists	Short Form	11/5/2019	11/14/2019
IWWDP	SIU	LILYBLAD PETROLEUM INC	2244 PORT OF TACOMA RD	TACOMA WA 98421	562910 - Remediation services, environmental	Short Form	5/15/2019	6/7/2019
NA	Cat B	LINCOLN PHARMACY	821 S 38TH ST	TACOMA WA 98418		Short Form	6/12/2019	6/24/2019
NA	Cat B	LLOYD AND WILSON AUTO SERVICE	631 S BAKER ST	TACOMA WA 98402		Short Form	6/12/2019	
NA	Cat B	LLOYD AND WILSON AUTO SERVICE	631 S BAKER ST	TACOMA WA 98402		Short Form	6/12/2019	6/24/2019
NA	Cat B	LM DIGITAL	1129 ST PAUL AVE	TACOMA WA 98421		Short Form	6/12/2019	
NA	Cat B	LOLO'S TIRES	4540 PACIFIC AVE	TACOMA WA 98418		Short Form	10/9/2019	
NA	Cat B	LONG PEST CONTROL INC	3402 S WASHINGTON ST	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	Cat B	LPI CASTERS	2505 FRANK ALBERT RD E	FIFE WA 98424		Short Form	6/12/2019	
IWWDP	SIU	LRI - HIDDEN VALLEY LANDFILL	17925 MERIDIAN ST E	PUYALLUP WA 98375	562212 - Solid Waste Landfill	Short Form	6/5/2019	6/7/2019
NA	Cat B	LUCKS FOOD DECORATING COMPANY	3003 S PINE ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	Cat B	LUCKY LOO'S	1501 CENTER ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	LUSAMERICA FISH	1124 54TH AVE E	TACOMA WA 98424		Short Form	6/12/2019	
FIFE	Cat B	LYRIC'OL STUDIO	2823 HOLM RD E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	M STREET DENTISTRY	1222 S 38TH ST	TACOMA WA 98418		Short Form	6/12/2019	
NA	Cat B	M2 INNOVATIVE CONCEPTS	3032 S CEDAR ST	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	Cat B	MABJJ TACOMA	2519 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
NA	Cat B	MAC GUY	819 S 9TH ST	TACOMA WA 98405		Short Form	6/12/2019	
FIFE	Cat B	MAINFREIGHT, INC.	3011 70TH AVE E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat B	MAJOR WIRE SCREEN MEDIA	7110 26TH ST. EAST	FIFE WA 98424		Short Form	10/9/2019	
NA	Cat B	MALM'S DRYCLEANING	1763 S JACKSON AVE	TACOMA WA 98465	81232 - Drycleaning and Laundry Services (except Coin-Operated)	Short Form	3/11/2019	3/25/2019
NA	Cat B	MALM'S DRYCLEANING	1763 S JACKSON AVE	TACOMA WA 98465	81232 - Drycleaning and Laundry Services (except Coin-Operated)	Short Form	6/12/2019	
NA	Cat B	MAPLE LEAF MOTORS	7035 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	MAPLE LEAF MOTORS	7035 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	6/12/2019	7/17/2019
NA	Cat B	MARKLEY ENTERPRISES INC	1106 CENTER ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	MARY'S AUTO REPAIR	6423 6TH AVE	TACOMA WA 98406		Short Form	10/9/2019	
NA	Cat B	MATCH MART	4211 CENTER ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	Cat B	MAXI SPACE	3608 S 74TH ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	MIU	MCFARLAND CASCADE POLE & LUMBER CO	1640 MARC AVE	TACOMA WA 98421	32111 - Sawmills and Wood Preservation	Short Form	3/11/2019	4/5/2019
NA	MIU	MCFARLAND CASCADE POLE & LUMBER CO	1640 MARC AVE	TACOMA WA 98421	32111 - Sawmills and Wood Preservation	Short Form	6/12/2019	
NA	IU	MCKINNEY TRAILER RENTALS	1701 PORT OF TACOMA RD	TACOMA WA 98421		Short Form	10/9/2019	
FIFE	IU	MCLEAN'S AUTO REPAIR	1401 52ND AVE E	FIFE WA 98424		Short Form	10/9/2019	
NA	IU	MEADOW PARK GOLF COURSE	7108 LAKEWOOD DR W	TACOMA WA 98467		Short Form	6/12/2019	
FIFE	IU	MECHANICAL & CONTROL SERVICES, INC	6426 18TH ST E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	MEGA METAL RECYCLING	3011 S FIFE ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	MEGAN R MILLER DDS	2312 N 30TH ST	TACOMA WA 98403	621210 - Offices of Dentists	Short Form	11/25/2019	12/2/2019

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Master List of Businesses Surveyed

COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
FIFE	IU	MERCER DISTRIBUTION SERVICES (MERCERLOGISTICS)	4179 70TH AV E	FIFE WA 98424		Short Form	10/9/2019	
NA	IU	MGP XI Tacoma KMS LLC	5132 6th Ave	TACOMA WA		Short Form	12/9/2019	
NA	IU	MICHAEL J GIESY DMD PLLC	6004 WESTGATE BLVD	TACOMA WA 98406	62121 - Offices of Dentists	Short Form		11/19/2019
FIFE	IU	MIDWAY MUFFLER, RADIATOR & BRAKES	4600 PACIFIC HWY E	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	MILGARD #79-3712 MFG PLANT	965 54TH AVE E	FIFE WA 98424	326199 - All Other Plastics Product Manufacturing	Short Form	6/12/2019	
FIFE	IU	MILGARD #79-3712 MFG PLANT	965 54TH AVE E	FIFE WA 98424		Short Form	8/30/2019	
FIFE	IU	MILGARD #79-3712 MFG PLANT	965 54TH AVE E	FIFE WA 98424		Short Form	10/9/2019	
FIFE	IU	MILGARD #79-3777 CORP & TEMPERING MFG PLANT	1010 54TH AVE E	FIFE WA 98424		Short Form	10/9/2019	
FIFE	MIU	MILGARD MANUFACTURING - PULTRUSION DIVISION	2935 70TH AVE E	TACOMA WA 98424	326199 - All Other Plastics Product Manufacturing	Short Form	6/12/2019	
NA	IU	MILGARD MANUFACTURING - PULTRUSION DIVISION	2935 70TH AVE E	TACOMA WA 98424		Short Form	6/12/2019	
NA	IU	MILGARD MANUFACTURING - PULTRUSION DIVISION	2935 70TH AVE E	TACOMA WA 98424		Short Form	8/30/2019	
NA	IU	MINUTEMAN PRESS	1111 A ST	TACOMA WA 98402	32311 - Printing	Short Form	6/12/2019	8/16/2019
NA	IU	MINUTEMAN PRESS	1111 A ST	TACOMA WA 98402		Short Form	8/30/2019	
NA	IU	MODUTECH MARINE INC	2218 MARINE VIEW DR	TACOMA WA 98422	336611 - Barge building, 71393 - Marinas	Short Form	6/12/2019	7/1/2019
NA	IU	MORRELL'S DRY CLEANERS	608 N 1ST ST	TACOMA WA 98403		Short Form	6/12/2019	
NA	IU	Multeni and Singh LLC, Hosmer 76	8235 S Hosmer St	TACOMA WA		Short Form	12/9/2019	
NA	IU	Multicare Allenmore Internal Medicine	3124 S 19th St Bldg C	TACOMA WA		Short Form	12/9/2019	
NA	IU	MULTI-CARE BOILER PLANT	304 S I ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	Multicare Health Systems	222 N J St	TACOMA WA		Short Form	12/9/2019	
NA	IU	MULTICARE MATERNAL FAMILY MEDICINE	316 N L ST	TACOMA WA 98403		Short Form	6/12/2019	
NA	IU	MULTICARE MEDICAL CENTER - 409 S J ST	409 S J ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	MULTICARE TACOMA GENERAL / MARY BRIDGE HOSPITAL	315 MARTIN LUTHER KING JR WAY	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	MWENSOTI LLC	1938 MILWAUKEE WAY	TACOMA WA 98421		Short Form	6/12/2019	
FIFE	IU	MX SPORT PARTS	7888 48TH ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	MY GOODS - 76 FUEL STOP	2602 N PEARL ST	TACOMA WA 98407		Short Form	6/12/2019	
NA	MIU	NARROWS BREWING COMPANY	9007 S 19TH ST #200	TACOMA WA 98465	312120 - Ale brewing	Short Form	6/12/2019	7/15/2019
FIFE	Cat B	NEW HORIZON CHRISTIAN CENTER	5600 VALLEY AVE E	FIFE WA 98424		Short Form	6/12/2019	
FIFE	Cat B	NGP	5013 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	NICHOLSON GIBBONS PEDIATRIC DENTAL CARE CENTER	315 MARTIN LUTHER KING JR WAY	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	11/4/2019	11/8/2019
NA	IU	NICHOLSON INDUSTRIAL COMPONENTS	2102 MARSHALL AVE	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	NORDLUND BOAT COMPANY INC	1626 MARINE VIEW DR	TACOMA WA 98422	336612 - Air boat building	Short Form	6/12/2019	7/1/2019
NA	IU	NORTH END CLEANERS	3205 6TH AVE	TACOMA WA 98406		Short Form	10/9/2019	
NA	IU	NORTH END TREATMENT PLANT - WWTP 3	4002 N WATERVIEW ST	TACOMA WA 98407		Short Form	6/12/2019	
NA	IU	NORTHWEST CUSTOM CANNERY & SEAFOOD	1124 54TH AVE E	TACOMA WA 98424		Short Form	6/12/2019	
NA	IU	NORTHWEST IMPRESSIONS	5407 SOUTH TACOMA WAY	TACOMA WA 98409	323111 - Address lists gravure printing without publishing	Short Form	6/12/2019	6/24/2019
NA	IU	NORTHWEST MARINE CONSTRUCTION INC	1112 E ALEXANDER AVE	TACOMA WA 98421	237990 - Anchored earth retention contractors	Short Form	6/12/2019	
NA	IU	NORTHWEST MARINE CONSTRUCTION INC	1112 E ALEXANDER AVE	TACOMA WA 98421		Short Form	6/12/2019	
FIFE	IU	NORTHWEST MINI	3901 20TH ST E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	NORTHWEST RADIATOR WORKS INC	2120 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	10/9/2019	
NA	IU	NORTHWEST STEEL & PIPE, INC	4802 S PROCTOR ST	TACOMA WA 98409	423510 - Bars, metal (except precious), merchant wholesalers	Short Form	3/25/2019	6/24/2019
NA	IU	NORTHWEST STEEL & PIPE, INC	4802 S PROCTOR ST	TACOMA WA 98409	423510 - Bars, metal (except precious), merchant wholesalers	Short Form	6/12/2019	
FIFE	IU	NORTHWEST TOOL & REPAIR	1210 WILLOWS RD. EAST	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	NORTHWEST TOOL & REPAIR	1210 WILLOWS RD. EAST	FIFE WA 98424		Short Form	8/30/2019	
FIFE	IU	NORTHWEST TOOL & REPAIR	1210 WILLOWS RD. EAST	FIFE WA 98424		Short Form	10/9/2019	
NA	IU	NU WAY CLEANERS	201 S 40TH ST	TACOMA WA 98418		Short Form	10/9/2019	
NA	IU	NU-TREAD TIRES	1313 E 25TH ST	TACOMA WA 98421	423130 - Tire and Tube Merchant Wholesalers	Short Form	6/12/2019	6/24/2019
NA	MIU	ODD OTTER BREWING COMPANY	716 PACIFIC AVE	TACOMA WA 98402	312120 - Ale brewing, 312120 - Beer brewing	Short Form	6/12/2019	
NA	IU	OLYMPIC CHEMICAL	1002 E D ST	TACOMA WA 98421	561990 - All Other Support Services	Short Form	6/12/2019	
NA	IU	OLYMPIC CHEMICAL	1002 E D ST	TACOMA WA 98421		Short Form	8/30/2019	
NA	IU	OLYMPIC CHEMICAL	1002 E D ST	TACOMA WA 98421		Short Form	10/9/2019	
NA	IU	OLYMPIC PIPE LINE COMPANY	535 E E ST	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	Olympic Pipeline Co.	2319 Lind Ave	TACOMA WA		Short Form	12/9/2019	
FIFE	IU	O'NEILLS MOBILE MARINE AND RV	4914 PACIFIC HWY E	FIFE WA 98424		Short Form	10/9/2019	
NA	IU	OPUS ELEVEN LLC DDS	4050 S 19TH ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	ORCAS HAULING	715 40TH ST E, APT C	TACOMA WA 98404-5335		Short Form	3/11/2019	
FIFE	IU	ORKIN PEST CONROL	5113 PACIFIC HWY E #1-W	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	OVERHEAD DOOR CORPORATION	2505 FRANK ALBERT RD #B-127 B-127	FIFE WA 98424		Short Form	10/9/2019	
FIFE	IU	PACENT	6501 3RD STREET CT E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	PACIFIC ATLANTIC EXPRESS	2007 STEWART ST	TACOMA WA 98421	483211 - Barge transportation, canal (freight)	Short Form	6/12/2019	
NA	IU	PACIFIC BREWING & MALTING CO	610 PACIFIC AVE	TACOMA WA 98402		Short Form	6/12/2019	
NA	IU	PATRICK MBITU NJENGA	3123 N 9TH ST	TACOMA WA 98406		Short Form	6/12/2019	
FIFE	IU	PATRIOT FIRE PROTECTION, INC.	2707 70TH AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	PENSKE TRUCK LSNG CO LP	1460 THORNE RD	TACOMA WA 98421		Short Form	10/9/2019	

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COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
NA	IU	PEPSI BOTTLING GROUP	3101 S PINE ST	TACOMA WA 98409		Short Form	8/30/2019	
NA	IU	PEPSI BOTTLING GROUP	3101 S PINE ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	MIU	PEPSI BOTTLING GROUP	3101 S PINE ST	TACOMA WA 98409	312111 - Artificially carbonated waters manufacturing, 312111 - Soft Drink Manufacturing	Short Form	6/12/2019	
NA	IU	PETRICH MARINE	1118 E D ST	TACOMA WA 98421		Short Form	10/9/2019	
FIFE	IU	PETROCARD FIFE	3200 20TH AV E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	PICH KIRI JEWELRY	772 S 38TH ST	TACOMA WA 98418	44831 - Jewelry Stores	Short Form	6/12/2019	
NA	IU	PICH KIRI JEWELRY	772 S 38TH ST	TACOMA WA 98418		Short Form	8/30/2019	
NA	IU	PICH KIRI JEWELRY	772 S 38TH ST	TACOMA WA 98418		Short Form	10/9/2019	
NA	IU	PLA ENDODONICS	2302 S UNION AVE	TACOMA WA 98405		Short Form		
NA	IU	PLANNED PARENTHOOD OF W W	1515 MARTIN LUTHER KING JR WAY	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	PLATINUM LEAF SOCIETY	2232 PORT OF TACOMA RD	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	POLYREV	3206 S 10TH ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	POLYREV	3206 S 10TH ST	TACOMA, WA 98405				
FIFE	IU	POP'S FLOWERS LLC	6273 41ST ST E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	IU	PORSCHE OF TACOMA	1701 ALEXANDER AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	PORT COMMERCE CENTER BLDNG #5	2309 MILWAUKEE WAY	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	POSEIDON MOBILE AUTO DETAILING LLC	2114 MARSHALL AVE	TACOMA WA 98421		Short Form	6/12/2019	
FIFE	IU	PRECAST CONCRETE INDUSTRIES INC	3719 70TH AVE E. #G	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	PRECAST CONCRETE INDUSTRIES INC	3719 70TH AVE E. #G	FIFE WA 98424		Short Form	8/30/2019	
FIFE	IU	PRECAST CONCRETE INDUSTRIES INC	3719 70TH AVE E. #G	FIFE WA 98424		Short Form	10/9/2019	
FIFE	IU	PRECISION MACHINE WORKS INC	4101 INDUSTRY DRIVE E	FIFE WA 98421		Short Form	6/12/2019	
FIFE	IU	PREMIER TRAILER LEASING	1403 62ND AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	PREMIUM SHINE DETAILING	4213 S 62ND ST B	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	Primary Care Northwest	1812 S J St, 102	TACOMA WA		Short Form	12/9/2019	
NA	IU	PROGRESS RAIL SERVICES	4012 SR 509 S FRONTAGE RD	TACOMA WA 98421	488210 - Freight car cleaning services, 488210 - Support Activities for Rail Transportation	Short Form	6/12/2019	
NA	IU	PROGRESS RAIL SERVICES	4012 SR 509 S FRONTAGE RD	TACOMA WA 98421		Short Form	8/30/2019	
NA	IU	PROGRESS RAIL SERVICES	4012 SR 509 S FRONTAGE RD	TACOMA WA 98421		Short Form	10/9/2019	
NA	IU	PUGET SOUND SEAFOOD PROCESSORS	700 E D ST	TACOMA WA 98421	42446 - Fish and Seafood Merchant Wholesalers	Short Form	6/12/2019	
NA	IU	PUGET SOUND SEAFOOD PROCESSORS	700 E D ST	TACOMA WA 98421		Short Form	8/30/2019	
NA	IU	PUGET SOUND SEAFOOD PROCESSORS	700 E D ST	TACOMA WA 98421		Short Form	10/9/2019	
NA	IU	Puget Sound Seafood Processors	700 E D Street	TACOMA WA		Short Form	12/9/2019	
NA	IU	PUGLIA ENGINEERING	2216 E 11TH ST	TACOMA WA 98421	336611 - Barge building, 336611 - Ship Building and Repairing	Short Form	6/12/2019	
NA	IU	PULSE VASCULAR SURGERY INC	419 S L ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	PUYALLUP TRIBE, NORTHSHORE GOLF COURSE	4901 FAIRWOOD BLVD NE	TACOMA WA 98422		Short Form	6/12/2019	
FIFE	IU	PUYALLUP TRIBE, TAHOMA COMMERCIAL FUEL FACILITY	2401 70TH AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	PUYALLUP TRIBE, TAHOMA 76 STATION - 103	2502 PIONEER WAY	TACOMA WA 98404		Short Form	6/12/2019	
NA	IU	PUYALLUP TRIBE, TAHOMA 76 STATION - 208	208 NORPOINT WAY NE	TACOMA WA 98422		Short Form	6/12/2019	
NA	IU	PUYALLUP TRIBE, TAHOMA 76 STATION - 6006	6006 PACIFIC HWY E	TACOMA WA 98424		Short Form	6/12/2019	
NA	IU	PUYALLUP TRIBE, TAHOMA EXPRESS 76 STATION - 2002	2002 54TH AVE E	TACOMA WA 98424		Short Form	6/12/2019	
NA	IU	PUYALLUP TRIBE, TAHOMA SHELL STATION - 2802	2802 E PORTLAND AVE	TACOMA WA 98404		Short Form	6/12/2019	
NA	IU	QUIKRETE NORTHWEST	1420 PORT OF TACOMA RD	TACOMA WA 98421	27210 - Cement (e.g., hydraulic, masonry, portland, pozzolana) manufacturing, 42322 - Brick Stone and Related Construction Material Merchant Wholesalers	Short Form	6/12/2019	7/1/2019
NA	IU	QWEST SERVICE SHOP	7850 S TRAFON ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	RAINIER DESIGNS LLC	1014 N OAKES ST	TACOMA WA		Short Form	12/10/2019	
NA	IU	RAM BREWERY	5001 S WASHINGTON ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	RAM RESTAURANT & BREWERY	3001 RUSTON WAY	TACOMA WA 98402		Short Form	6/12/2019	
NA	IU	RAMEL MELEEK WILLIAMS	2911 CHANDLER ST	TACOMA WA 98409		Short Form	6/12/2019	
FIFE	IU	RANCHO MESA INSURANCE SERVICES, INC.	4505 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	RECON REVOLUTION	6240 SOUTH TACOMA WAY	TACOMA WA 98409		Short Form	6/12/2019	
FIFE	IU	REGAL WEST CORP 6546 20TH ST E	6546 20TH ST E	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	RESTAURANT DEPOT	6130 12TH ST E	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	RESTAURANT TECHNOLOGIES, INC	7326 26TH ST E	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	RESTAURANT TECHNOLOGIES, INC	7326 26TH ST E	FIFE WA 98424		Short Form	8/30/2019	
FIFE	IU	RESTAURANT TECHNOLOGIES, INC	7326 26TH ST E	FIFE WA 98424		Short Form	10/9/2019	
FIFE	IU	RESTOR DENTAL LABORATORY	5619 VALLEY AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	REVALESIO	1202 E D ST	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	REVCHEM PLASTICS INC	1132 THORNE RD	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	RICKS DIAGNOSTIC & REPAIR SERVICE	3526 MCKINLEY AVE	TACOMA WA 98404		Short Form	3/11/2019	3/25/2019
NA	IU	RIGHT ON SHINE LLC	1230 PALM DR	TACOMA WA 98466		Short Form	6/12/2019	
FIFE	IU	RIVERSIDE LOGISTIC LLC	3430 DESTINATION AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	ROAD ONE INTERMODAL LOGISTICS	3077 20TH ST E	TACOMA WA 98424		Short Form	6/12/2019	
NA	IU	Robert and Darla Rants	5110 GALLEON DR NE	TACOMA WA		Short Form	12/10/2019	
NA	IU	ROMAINE ELECTRIC CORPORATION	1401 CENTER ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	RONALD H KURITANI DDS	2215 N 30TH ST 102	TACOMA WA 98403	621210 - Offices of Dentists	Short Form	12/2/2019	12/2/2019

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COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
FIFE	IU	RTC AEROSPACE-FIFE DIVISION	7215 45TH ST CT E	FIFE WA 98424		Short Form	10/9/2019	
FIFE	IU	RUSELL'S EXPRESS LLC	6506 43RD ST E	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	RUSELLS TRUCKING LLC	6506 43RD ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	RUSTON KITCHEN & BATH CABINETS	1301 S PROCTOR ST	TACOMA, WA 98405		Short Form	3/11/2019	
NA	IU	RUSTON KITCHEN & BATH CABINETS	1301 S PROCTOR ST	TACOMA WA 98405		Short Form	6/12/2019	
FIFE	IU	RV COUNTRY	5111 20TH ST E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	RYDER TRUCK RENTAL INC	2313 MILWAUKEE WAY	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	SAFEWAY #1978	2637 N PEARL ST	TACOMA WA 98407		Short Form	6/12/2019	
NA	IU	SASQUATCH HERB COMPANY	3303 S 35TH ST A 1	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	SCHILLING GRAPHICS	2340 E 11TH ST	TACOMA WA 98421		Short Form	10/9/2019	
NA	IU	SCHNITZER STEEL INDUSTRIES, INC.	1902 MARINE VIEW DR	TACOMA WA 98422	33232 - Ornamental and Architectural Metal Products Manufacturing	Short Form	6/12/2019	
NA	IU	SEA MAR COMMUNITY HEALTH CLINIC	1112 S CUSHMAN AVE	TACOMA WA 98405		Short Form	6/12/2019	
FIFE	IU	SEA SHEET METAL	5013 PACIFIC HWY E #5	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	SEA-MAR COMMUNITY HEALTH CENTER	2111 54TH AVE E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	SHA-DI DESIGNS	4825 E K ST	TACOMA WA 98404		Short Form	6/12/2019	
NA	IU	SHELL (HOSMER FOOD MART)	8433 S HOSMER ST	TACOMA WA 98444		Short Form	6/12/2019	
NA	IU	SMOOTH SAILING VENTURES	3303 S 35TH ST B 9	TACOMA WA 98409		Short Form	6/12/2019	
NA	MIU	SONIA PAL - PROPERTY OWNER	2302 S UNION AVE	TACOMA WA 98405		Short Form		6/24/2019
NA	IU	SONIA PAL DMD PS	2302 S UNION AVE A2	TACOMA WA 98405	621210 - Dentists' offices (e.g., centers, clinics)	Short Form		
NA	IU	SOUND MARINE INC	1690 MARINE VIEW DR, STE B	TACOMA WA		Short Form	12/10/2019	
DENTAL	IU	SOUNDVIEW DENTAL ARTS	2215 N 30TH ST	TACOMA WA 98403		Short Form	12/2/2019	12/3/2019
FIFE	IU	SOUTH SOUND OLYMPIANS	5009 PACIFIC HWY E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	SOUTHSIDE BRAKE & CLUTCH	2525 PACIFIC HWY E	TACOMA WA 98424		Short Form	10/9/2019	
NA	IU	SPEED E MART / VP RACING FUELS	1101 S 19TH ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	SPEED MOTORS	1201 S 56TH ST	TACOMA WA 98408	441120 - Used Car Dealers	Short Form	3/11/2019	3/26/2019
NA	IU	SPINNING HEADS INC	420 E 18TH ST	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	SPLASH-N-DASH CAR WASH	851 S 38TH ST	TACOMA WA 98418		Short Form	10/9/2019	
NA	IU	SPRAGUE PEST SOLUTION	2725 PACIFIC AVE	TACOMA WA 98402	561710 - Exterminating and Pest Control Services	Short Form	8/30/2019	
NA	IU	SPRAGUE PEST SOLUTIONS	2722 A ST	TACOMA WA 98402	236118 - Addition, alteration and renovation (i.e., construction), multifamily building	Short Form	6/12/2019	
NA	IU	SPRAGUE PEST SOLUTIONS	2722 A ST	TACOMA WA 98402		Short Form	10/9/2019	
NA	IU	SPRING BACK MATTRESS RECYCLING	117 PUYALLUP AVE	TACOMA WA 98402		Short Form	6/12/2019	
NA	IU	SSA PACIFIC TERMINALS INC	1980 MILWAUKEE WAY	TACOMA WA 98421	488320 - Loading and unloading services at ports and harbors	Short Form	6/12/2019	
NA	IU	SSA PACIFIC TERMINALS INC	1980 MILWAUKEE WAY	TACOMA WA 98421		Short Form	8/30/2019	
NA	IU	SSA PACIFIC TERMINALS INC	1980 MILWAUKEE WAY	TACOMA WA 98421		Short Form	10/9/2019	
NA	IU	ST. JOSEPH HOSPITAL	1717 S J ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	ST. JOSEPH PHYSICIAN MEDICAL & OUTPATIENT CENTERS	1624 S I ST	TACOMA WA 98405		Short Form	6/12/2019	
NA	IU	STAR RENTALS	2302 SOUTH TACOMA WAY	TACOMA WA 98409	552412 - Bulldozer rental or leasing without operator, 552412 - Construction mining and forestry Machinery and Equipment Rental and Leasing	Short Form	6/12/2019	7/1/2019
FIFE	IU	STICKERS NORTHWEST	5013 PACIFIC HWY E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	STRAIGHT LINE DETAILING	116 N TACOMA AVE	TACOMA WA 98403		Short Form	6/12/2019	
NA	IU	STREET RIOT PERFORMANCE	3417 S 54TH ST	TACOMA, WA 98409		Short Form	3/11/2019	
NA	IU	STREET RIOT PERFORMANCE	3417 S 54TH ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	STREICH BROTHERS INC	1650 MARINE VIEW DR	TACOMA WA 98422	332710 - Chemical milling job shops, 333513 - Machine Tool (Metal Forming Types) Manufacturing	Short Form	6/12/2019	
NA	IU	STREICH BROTHERS INC	1650 MARINE VIEW DR	TACOMA WA 98422		Short Form	8/30/2019	
NA	IU	STREICH BROTHERS INC	1650 MARINE VIEW DR	TACOMA WA 98422		Short Form	10/9/2019	
NA	IU	SUMMIT VETERINARY REFERRAL CENTER	2505 S 80TH ST	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	IU	SUNBELT RENTALS - FIFE	3901 PACIFIC HWY E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	SUPERIOR SAW & SUPPLY INC	2712 PACIFIC AVE	TACOMA WA 98402		Short Form	8/30/2019	
NA	IU	SUPERIOR SAW & SUPPLY INC	2712 PACIFIC AVE	TACOMA WA 98402		Short Form	10/9/2019	
FIFE	IU	SUPERIOR STRUCTURES, INC.	6810 20TH ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	SUPERLON PLASTICS CO INC	2116 TAYLOR WAY	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	SUPERVALU	1525 E D ST	TACOMA WA 98421	424410 - General Line Grocery Merchant Wholesalers, 424410 - General-line groceries merchant wholesalers	Short Form	6/12/2019	7/1/2019
NA	IU	T TOWN APPAREL	1934 MARKET ST	TACOMA WA 98402	323113 - Address lists screen printing without publishing	Short Form	6/12/2019	
NA	IU	T TOWN APPAREL	1934 MARKET ST	TACOMA WA 98402		Short Form	8/30/2019	
NA	IU	T TOWN APPAREL	1934 MARKET ST	TACOMA WA 98402		Short Form	10/9/2019	
NA	IU	TACOMA AUTO REPAIR-0160	4702 S WASHINGTON ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	TACOMA CAT HOSPITAL	5225 TACOMA MALL BLVD E 104	TACOMA WA 98409	541940 - Animal hospitals	Short Form	6/12/2019	
NA	IU	TACOMA CAT HOSPITAL	5225 TACOMA MALL BLVD E 104	TACOMA WA 98409		Short Form	8/30/2019	
NA	IU	TACOMA CAT HOSPITAL	5225 TACOMA MALL BLVD E 104	TACOMA WA 98409		Short Form	10/9/2019	
NA	IU	Tacoma Cat Hospital	5225 Tacoma Mall Blvd, Ste E102	TACOMA WA		Short Form	12/9/2019	
NA	IU	TACOMA DENTAL GROUP	2302 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form		
NA	IU	TACOMA IRON WORK LLC	3131 S LAWRENCE ST	TACOMA WA 98409	332812 - Aluminum coating of metal products for the trade	Short Form	6/12/2019	
NA	IU	TACOMA IRON WORK LLC	3131 S LAWRENCE ST	TACOMA WA 98409		Short Form	8/30/2019	
NA	IU	TACOMA IRON WORK LLC	3131 S LAWRENCE ST	TACOMA WA 98409		Short Form	10/9/2019	

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COMPANY GROUP NAME	PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SENT	DATE RETURNED
NA	IU	TACOMA LINK LIGHT RAIL	802 E 25TH ST	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	Tacoma Medical Clinic PLLC	7401 S Pine St	TACOMA WA		Short Form	12/9/2019	
NA	IU	TACOMA METALS INC	1754 THORNE RD	TACOMA WA 98421	423930 - Bottles, waste, merchant wholesalers, 423930 - Metal scrap and waste merchant wholesalers	Short Form	6/12/2019	
NA	IU	TACOMA METALS INC	1754 THORNE RD	TACOMA WA 98421		Short Form	8/30/2019	
NA	IU	TACOMA METALS INC	1754 THORNE RD	TACOMA WA 98421		Short Form	10/9/2019	
NA	IU	TACOMA PUBLIC SCHOOLS, MAINTENANCE HQ	3223 S UNION AVE	TACOMA WA 98409		Short Form	6/12/2019	
FIFE	IU	TACOMA RV CENTER	6300 PACIFIC HWY E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	TACOMA STEEL	701 E 64TH ST	TACOMA WA 98404		Short Form	10/9/2019	
NA	IU	Tacoma, Medical Clinic	7401 S Pine St	TACOMA WA		Short Form	12/9/2019	
NA	IU	TCC MAINTENANCE SHOP	6501 S 19TH ST	TACOMA WA 98465		Short Form	6/12/2019	
NA	IU	THE CAR GUY 253	4006 YAKIMA AVE	TACOMA WA 98418		Short Form	6/12/2019	
FIFE	IU	THE CUSTOM BUSINESS LLC	4630 16TH ST E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	IU	THE LITTLE GRIMLINGS	2120 62ND AVE E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	IU	THE LUCKS COMPANY, LLC	3600 INDUSTRY DR E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	THE RAVE CAR WASH	5002 CENTER ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	IU	THE RESURFACER	3650 E PORTLAND AVE	TACOMA WA 98404		Short Form	6/12/2019	
NA	IU	THE TUNE UP SHOP	5915 MCKINLEY AVE B	TACOMA WA 98404		Short Form	6/12/2019	
FIFE	IU	TIMCO INC. ARG	6722 20TH ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	TITUS WILL TOYOTA	3506 S SPRAGUE AVE	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	TOOL GAUGE & MACHINE WORKS, INC.-0120	4336 S ADAMS ST	TACOMA WA 98409	333515 - Angle rings (i.e., a machine tool accessory) manufacturing	Short Form	6/12/2019	6/25/2019
NA	IU	TOOLUP NW	6205 24TH ST NE	TACOMA WA 98422		Short Form	6/12/2019	
FIFE	IU	TOP AUTO BODY	5717 PACIFIC HWY E	FIFE WA 98424	811121 - Automotive body shops	Short Form	9/4/2019	9/23/2019
NA	IU	TOP AUTO BODY	5717 PACIFIC HWY E	TACOMA WA 98424		Short Form	6/12/2019	
NA	IU	TOP CLEANERS	3202 S 23RD ST 8	TACOMA WA 98405		Short Form	6/12/2019	
FIFE	IU	TRANSIT REFRIGERATION	4630 16TH ST E B-4	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	TRANSPO INC	2220 SOUTH TACOMA WAY B	TACOMA WA 98409		Short Form	6/12/2019	
FIFE	IU	TRASH BAGZ JUNK REMOVAL	4450 66TH AVE E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	IU	TREASURE IN THE WORD	2715 62ND AVE E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	TRI PAK INC YARD #1	2018 E PORTLAND AVE	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	TRI PAK YARD #2	2021 MARC AVE	TACOMA WA 98421	42491 - Farm Supplies Merchant Wholesalers	Short Form	6/12/2019	
NA	IU	TRI PAK YARD #2	2021 MARC AVE	TACOMA WA 98421		Short Form	8/30/2019	
NA	IU	TRI PAK YARD #2	2021 MARC AVE	TACOMA WA 98421		Short Form	10/9/2019	
NA	IU	Tri Pak Yard #2	2021 Marc Ave	TACOMA WA		Short Form	12/9/2019	
NA	IU	TRI PAK YARD #4	1209 ST PAUL AVE	TACOMA WA 98421	493100 - Bonded warehousing, farm products (except refrigerated), 493100 - Farm product warehousing	Short Form	6/12/2019	
NA	IU	TRIAD MACHINERY	1601 BAY ST	TACOMA WA 98421	423000 - Bakery machinery and equipment merchant wholesalers, 420000 - Industrial machinery and equipment Merchant Wholesalers	Short Form	6/12/2019	
NA	IU	TRIAD MACHINERY	1601 BAY ST	TACOMA WA 98421		Short Form	8/30/2019	
NA	IU	TRIAD MACHINERY	1601 BAY ST	TACOMA WA 98421		Short Form	10/9/2019	
NA	IU	TRIDENT SEAFOODS CORPORATION	401 E ALEXANDER AVE	TACOMA WA 98421	31171 - Seafood Product Preparation and Packaging	Short Form	6/12/2019	
NA	IU	TRIDENT SEAFOODS CORPORATION	401 E ALEXANDER AVE	TACOMA WA 98421		Short Form	8/30/2019	
NA	IU	TRIDENT SEAFOODS CORPORATION	401 E ALEXANDER AVE	TACOMA WA 98421		Short Form	10/9/2019	
FIFE	IU	TRU ENTERPRISES	1407 WILLOW RD E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	Cat C Dom Equ	TRUCK & TRAILER REFRIGERATION	6214 16TH STREET EAST	FIFE WA 98424	811310 - Truck refrigeration repair and maintenance services	Short Form	9/4/2019	9/16/2019
FIFE	IU	TRUCK & TRAILER REFRIGERATION	6214 16TH STREET EAST	FIFE WA 98424	811310 - Truck refrigeration repair and maintenance services	Short Form	6/12/2019	
FIFE	IU	TRUCK & TRAILER REFRIGERATION	6214 16TH STREET EAST	FIFE WA 98424		Short Form	8/30/2019	
NA	IU	TUNISTA CONSTRUCTION	4425 S ORCHARD ST	TACOMA WA 98409		Short Form	6/12/2019	
NA	IU	UNCLE E'S CYCLES LLC	1106 S 59TH ST	TACOMA WA 98408		Short Form	6/12/2019	
NA	IU	UNIGEN	2121 S STATE ST 400	TACOMA WA 98405		Short Form	6/12/2019	
FIFE	IU	UNION PACIFIC RAILROAD	3330 20TH ST E	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	UNIVERSITY DENTAL CARE	1622 S MILDRED ST	TACOMA WA 98465	62121 - Offices of Dentists	Short Form		
NA	IU	UNIVERSITY OF PUGET SOUND	1500 N WARNER ST	TACOMA WA 98416		Short Form	6/12/2019	
NA	MIU	URBAN ACCESSORIES INC	465 E 15TH ST	TACOMA WA 98421	331422 - Aircraft and automotive wire or cable made from purchased copper in wire drawing plants	Short Form	6/12/2019	7/1/2019
NA	IU	US HEALTHWORKS MED GROUP OF WA	2624 S 38TH ST	TACOMA WA 98409	621111 - MDs' (medical doctors, except mental health) offices (e.g., centers, clinics)	Short Form	6/12/2019	
NA	IU	US HEALTHWORKS MED GROUP OF WA	2624 S 38TH ST	TACOMA WA 98409		Short Form	8/30/2019	
NA	IU	US HEALTHWORKS MED GROUP OF WA	2624 S 38TH ST	TACOMA WA 98409		Short Form	10/9/2019	
NA	IU	V R ROOFING	2920 S CUSHMAN AVE	TACOMA WA 98409		Short Form	10/9/2019	
NA	IU	Valley Dairy Farms Inc	3716 Pacific Ave	TACOMA WA		Short Form	12/10/2019	
NA	IU	VALLEY REPAIR LLC	6705 S ADAMS ST	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	IU	VETERANS INDEPENDENT ENTERPRISES OF WASHINGTON	4630 16TH ST E B16	FIFE WA 98424		Short Form	6/12/2019	
FIFE	IU	Veterans Independent Enterprises of Washington	4630 16th St E, Ste B16	FIFE WA 98424		Short Form	12/16/2019	
FIFE	IU	VOLVO OF TACOMA IN FIFE	1602 40TH AVE CT E	FIFE WA 98424		Short Form	6/5/2017	9/23/2019
FIFE	IU	WESTCOAST MODULAR SERVICES	4630 16TH ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	WESTEC TOOL & PROD INC	6229 S ADAMS ST A	TACOMA WA 98409	33271 - Machine Shops, 333518 - Assembly machines manufacturing	Short Form	6/12/2019	6/24/2019
NA	IU	WESTERN MACHINE WORKS	652 E 11TH ST	TACOMA WA 98421	332710 - Chemical milling job shops	Short Form	6/12/2019	6/24/2019

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FIFE	IU	WESTERN STATES TRANSPORTATION	115 54TH AVE E	FIFE WA 98424		Short Form	10/9/2019	
NA	IU	WESTGATE ANIMAL HOSPITAL	5929 WESTGATE BLVD F	TACOMA WA 98406		Short Form	6/12/2019	
NA	IU	WHIRLWIND	2914 MARINE VIEW DR	TACOMA WA 98422		Short Form	6/12/2019	
NA	IU	WHITES MOTORCYCLE REPAIR	4312 6TH AVE	TACOMA WA 98406		Short Form	6/12/2019	
NA	IU	WILLAMETTE DENTAL	3866 S 74TH ST	TACOMA WA 98409		Short Form	6/12/2019	
FIFE	IU	WIM LLC	2305 62ND AVE E	FIFE WA 98424		Short Form	7/25/2019	
FIFE	IU	WINDOW AND GUTTER CLEANING NINJAS LLC	5104 35TH ST E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	WM DICKSON CO	3315 S PINE ST	TACOMA WA 98409		Short Form	10/9/2019	
FIFE	IU	WONDA	6311 40TH STREET CT E	FIFE WA 98424		Short Form	7/25/2019	
NA	IU	WWL VEHICLE SERVICES AMERICAS, INC.	3400 TAYLOR WAY	TACOMA WA 98421		Short Form	6/12/2019	
NA	IU	XTRACARE DENTAL	2617 6TH AVE	TACOMA WA 98406	62121 - Offices of Dentists	Short Form	11/25/2019	
FIFE	IU	YBB AUTO SALON	1407 WILLOW RD E D	FIFE WA 98424		Short Form	6/19/2017	
FIFE	IU	YBB AUTO SALON	1407 WILLOW RD E D	FIFE WA 98424		Short Form	6/12/2019	
NA	IU	YRC FRIEGHT 873	2807 70TH AVE E	TACOMA WA 98424		Short Form	6/12/2019	

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NA	Cat C Dom Equ	AGRO COULTURE	2/26/2018	7/11/2019	9/20/2018			1/11/2018		502 Industry - grower in soil
NA	MIU	ODD OTTER BREWING COMPANY		7/16/2019	1/14/2015			1/13/2015		Active pH Monitoring and temperature adjustment
NA	Cat B	CLASSIC CURRENT		7/11/2019				7/17/2018		automotive service work bulk chemical storage
NA	Cat B	ARCLIN		7/11/2019	12/10/2019		Renewal	10/1/2014		Chemical Storage
NA	Cat B	FRED TEBB & SONS INC		7/16/2019	10/24/2019			1/1/2013		chemical storage
NA	Cat B	ASSOCIATED PETROLEUM PRODUCTS		7/11/2019	12/13/2018			1/1/2013		chemical storage and oil/water seperators
NA	MIU	ALAN ALTMAN DDS PC		6/24/2019	6/24/2019			12/24/2015		Dental
NA	IU	TACOMA CEDAR DENTAL			10/7/2019		Hand delivered.	10/7/2019		Dental
closed	MIU	TACOMA ORTHODONICS CENTER INC.		12/9/2019				12/24/2015		Dental
NA	IU	THAI AND AUDREY NGUYEN DENTAL		12/9/2019	11/14/2019			12/24/2015		Dental
NA	IU	SMART KOKICH AND QUINN ORTHODONTICS		6/24/2019	6/26/2019			12/24/2015		Dental
HOME BASED BUSINESSES	Cat C Dom Equ	B THOMPSON STUDIO		2/19/2019				1/4/2019		Domestic EQ - makes lamps, wood and ceramic
NA	Cat C Dom Equ	INTEGRATIVE THERAPEUTIC CARE		2/19/2019				1/4/2019		Domestic EQ - office
NA	Cat C Dom Equ	HARDIN ARMORY		6/24/2019	8/30/2017			5/13/2016		Domestic EQ - Office; Firearm transfer only
NA	Cat C Dom Equ	WEYERHAEUSER NR COMPANY		4/12/2019	11/8/2018	4/12/2019		5/12/2015		Domestic EQ - Retail
NA	Cat C Dom Equ	THE 105		1/27/2019		11/13/2018		11/13/2018		Domestic EQ - Social Club
NA	Cat C Dom Equ	MCCLAINS SOIL SUPPLIES		7/15/2019	6/17/2010			10/1/2014		Domestic Equivalent - retail
FIFE	Cat C Dom Equ	RESTAURANT DEPOT		9/24/2019	2/2/2017			2/3/2017		Domestic use
FIFE	Cat C Dom Equ	CUSTOM CONTROLS CORP		11/12/2019	3/20/2017			3/20/2017		Domestic use only
NA	Cat C Dom Equ	LEGACY TRANSPORT SERVICE		7/16/2019	11/22/2019			10/1/2014		Domestic use only. No manufacturing fabrication or processing are conducted at this location.
NA	Cat C Dom Equ	JONES ANIMAL HOSPITAL INC		7/10/2019	11/25/2019			10/1/2014		Domestic use only. No manufacturing fabrication or processing take place at this location.
IWWDP	SIU	ORION MARINE CONTRACTOR'S INC.		7/15/2019	5/3/2018			4/19/2016		Engineered Treatment System
NA	IU	SHELL FOOD MART		9/24/2019	10/12/2018			8/7/2013		Gas station and food hot box. No pretreatment on site. Also site indicates they store chemicals in drums
NA	Cat B	HORLACHER GEOMETRY		4/8/2019				2/12/2019		Gemologist cutting and faceting stones
NA	IU	NW YAMAHA GOLF CARTS		7/10/2019	11/25/2019			12/7/2018		Golf cart repair
HOME BASED BUSINESSES	Cat C Dom Equ	AAA HANDYMAN		7/11/2019				9/4/2018		Home office
NA	Cat B	CROWN JEWELRY		7/11/2019				7/11/2019		jewelry manufacturing, repair and sales
NA	Cat B	BOB'S MACHINE SHOP		4/8/2019	11/18/2019			9/26/2014		Machine shop with no disposal reciepts
NA	IU	PLANT WORKS					Business has not started yet and he indicated no work in Tacoma. He has submitted an a mobile washer application.	4/16/2019		Mobile washer
HOME BASED BUSINESSES	IU	UNCLE E'S CYCLES LLC		7/10/2019				6/27/2018		Motorcycle repair at home based buisness
closed	Cat B	AUTO TRIM DESIGN LLC		7/11/2019				6/28/2018		moved
NA	IU	SCHNITZER STEEL INDUSTRIES, INC.		4/8/2019	11/2/2017			10/1/2014		NPDES Direct Discharger through the state
NA	IU	WALSH TRUCKING CO LTD		7/15/2019	3/1/2019			10/22/2013		oil/water sep
NA	Cat B	AUTO CORRECT AUTO REPAIR		7/11/2019	4/25/2019			4/25/2019		oil/water seperator
NA	Cat B	FEED COMMODITIES LLC		7/16/2019	12/12/2017			1/1/2013		oil/water seperator

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IWWDP	SIU	BRADKEN - ATLAS		6/20/2019	5/2/2018		Permitted industry renewing their permit	10/22/2013		Permitted Industry
IWWDP	SIU	POWDER COATING SYSTEMS		7/15/2019	11/12/2019			10/1/2014		Permitted Industry
NA	FSE	DESTINY CITY POP		11/12/2019				9/30/2019		Popcorn business. Regulated by TPCHD. No grease trap on site.
NA	IU	MICHAEL S ADAMS		6/13/2019	6/13/2019		Form filled out during visit.	12/24/2015		Pre-treatment
NA	Cat B	HARBORLAND 2C LLC.		7/10/2019	9/21/2016			1/1/2013		pre-treatment and hazardous waste
NA	Cat B	AMB TOOLS & EQUIPMENT			10/10/2018			10/1/2014		Sales and full equipment repair shop
NA	Cat B	HOUSE OF SCOTT FUNERAL & CRMTN SVCS		7/15/2019	11/22/2019			10/1/2014		Site has history of improper discharge during embalming
NA	FSE	SEAPRODUCKS		11/25/2019				9/30/2019		Site packages live Geoducks and ships around the world
NA	Cat B	KIM VIET JEWELRY		7/16/2019	11/15/2018			10/1/2014		small rhodium plating operation used to brighten stone setting
NA	Cat C Dom Equ	PCC LOGISTICS -THORNE AVE		7/10/2019	5/20/2013			10/1/2014		Trans loader, survey indicated domestic only
FIFE	MIU	MILGARD MANUFACTURING - PULTRUSION DIVISION		9/24/2019	10/21/2019			1/1/2013		User Survey reviewed. regulated under 403 w/local limits
NA	Cat B	BUTTON VETERINARY HSP INC		7/11/2019	8/13/2018			10/1/2014		Veterinary hospital, drug disposal
NA	Cat B	EPIC INDUSTRIAL SERVICES		7/16/2019	6/14/2019			1/1/2013		wash pad, API oil/water separator and containment area for used oil
NA	Cat B	KORZIN FABRICATIONS		7/16/2019				5/15/2019		WELDING, LIGHT MANUFACTURING AND REPAIRING SMALL MACHINERY
FIFE	Cat B	Acf West Inc								
FIFE	Cat B	American Fast Freight, Inc								
FIFE	Cat B	Animal Supply Co								
FIFE	Cat B	Balt Trade Llc								
FIFE	Cat B	Camin Cargo Control								
FIFE	Cat B	Cdi Custom Curb Adapters								
FIFE	Cat B	Cfm Consolidated, Inc								
FIFE	Cat B	Chinook Roofing & Gutters								
FIFE	Cat B	Custom Electric & Controls								
FIFE	Cat B	Drivelines Nw								
FIFE	Cat B	Especialy 4 You Llc								
FIFE	Cat B	Federal Express								
FIFE	Cat B	Fife Auto Repair and Sales								
FIFE	Cat B	Geary Pacific Supply								
FIFE	Cat B	Jacks Auto Detailing & Rv Repair								
FIFE	Cat B	Jaguar of Tacoma In Fife								
FIFE	Cat B	Jiffy Lube #3178								
FIFE	Cat B	Jms Auto Salon-Fife								
FIFE	Cat B	Lusamerica Fish								
FIFE	Cat B	Milgard #79-3712 Mfg Plant								
FIFE	Cat B	Milgard Manufacturing-Pultrusion Division								
FIFE	Cat B	Northwest Custom Cannery & Seafood								
FIFE	Cat B	Northwest Mini								
FIFE	Cat B	Northwest Tool & Repair								
FIFE	Cat B	Orkin Pest Conrol								
FIFE	Cat B	Pacent								
FIFE	Cat B	Patriot Fire Protection, Inc.								
FIFE	Cat B	Petrocard Fife								
FIFE	Cat B	Premier Trailer Leasing								
FIFE	Cat B	Restaurant Depot								
FIFE	Cat B	Restaurant Technologies, Inc								
FIFE	Cat B	Restor Dental Laboratory								
FIFE	Cat B	Riverside Logistic Llc								
FIFE	Cat B	Rusell's Express Llc								
FIFE	Cat B	Rv Country								
FIFE	Cat B	Sea Sheet Metal								
FIFE	Cat B	Sea-Mar Community Health Center								
FIFE	Cat B	Sunbelt Rentals-Fife								
FIFE	Cat B	Tacoma Rv Center								
FIFE	Cat B	Top Auto Body								

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FIFE	Cat B	Truck & Trailer Refrigeration								
FIFE	Cat B	Union Pacific Railroad								
FIFE	Cat B	Veterans Independent Enterprises of Washington								
FIFE	Cat B	Volvo of Tacoma In Fife								
FIFE	Cat B	Ybb Auto Salon								
FIFE	Cat B	Yrc Frieght 873								
NA	Cat B	7 ELEVEN #26857B								
NA	Cat B	76 FOOD MART								
NA	Cat B	7-ELEVEN 6TH AND ORCHARD								
NA	Cat B	ABACUS ELECTRIC CO.								
NA	Cat B	ABBC-Wright Park 2 LLC								
NA	Cat B	ABBC-Wright Park 2 LLC								
FIFE	Cat B	ABBOTT WEB DEVELOPMENT, LLC								
FIFE	Cat B	ABDIKADIR RASHID								
FIFE	Cat B	ABOVE AND BEYOND FLOORING LLC								
NA	Cat B	ABRA AUTO BODY AND GLASS								
NA	Cat B	ACE AGRISHOP								
NA	Cat B	ACE AGRISHOP		7/11/2019	2/5/2018			2/5/2018		
FIFE	Cat B	ACF WEST INC								
NA	Cat B	ACF WEST INC								
NA	Cat B	AEGIS LEASING LLC								
NA	Cat B	AFFORDABLE DENTURES TACOMA		10/8/2019	10/7/2019			12/28/2015		
NA	Cat B	AGRO COULTURE								
NA	Cat B	AHERN RENTALS								
NA	Cat B	AIR SYSTEMS ENGINEERING INC								
NA	Cat B	AIRGAS NOR PAC INC								
NA	Cat B	AJEY VARMA DDS PLLC		6/24/2019	6/26/2019			12/24/2015		
FIFE	Cat B	AKKERMAN EXPRESS								
NA	Cat B	ALBERT R BIRD DDS PS		9/30/2019	9/30/2019			12/28/2015		
NA	Cat B	ALL POINTS MARINE LLC (STORAGE UNIT)								
NA	Cat B	ALLENMORE HOSPITAL (MULTICARE HEALTH SYSTEM)								
NA	Cat B	ALSIDE WINDOW COMPANY								
FIFE	Cat B	AMERICAN EAGLE WHEELS								
NA	Cat B	AMERICAN EAGLE WHEELS								
FIFE	Cat B	AMERICAN FAST FREIGHT, INC								
FIFE	Cat B	AMERICAN FAST FREIGHT, INC								
FIFE	Cat B	AMERICAN FAST FREIGHT, INC								
FIFE	Cat B	AMERICAN FAST FREIGHT, INC								
NA	Cat B	AMERICAN FAST FREIGHT, INC								
NA	Cat B	AMERICAN SENSI COMPANY								
NA	Cat B	AMERICOLD								
FIFE	Cat B	Americold Logistics LLC								
FIFE	Cat B	Americold Logistics LLC								
FIFE	Cat B	AMES INTERNATIONAL, INC.								
NA	Cat B	AMES INTERNATIONAL, INC.								
NA	Cat B	ANDREWS FIXTURE CO INC								
FIFE	Cat B	ANDREY STEPCHUK								
FIFE	Cat B	ANGIS-N-DESIGN								
FIFE	Cat B	ANIMAL SUPPLY CO								
NA	Cat B	ANIMAL SUPPLY CO								
NA	Cat B	APA-THE ENGRD WOOD ASSOC								
NA	Cat B	APM TERMINALS								
NA	Cat B	APM TERMINALS		9/24/2019	6/14/2016			8/7/2013		
NA	Cat B	APP PETRO CARD LOCK								
NA	Cat B	APP PETRO CARD LOCK								
NA	Cat B	APP PETRO CARD LOCK								
NA	Cat B	APP PETRO CARD LOCK								
NA	Cat B	App Petro Card Lock								
NA	Cat B	ARCHITECTURAL WOODS INC								
NA	Cat B	ARCO AM/PM CMSI#3566								
NA	Cat B	ARCO AM/PM CMSI#3567		7/15/2019	10/12/2018			4/11/2017		
NA	Cat B	ART MORRISON ENTERPRISES, INC.								
FIFE	Cat B	ART N STITCHES								

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NA	Cat B	ART N STITCHES								
NA	Cat B	ASC PROFILES INC								
NA	Cat B	ASSOCIATED MATERIALS								
NA	Cat B	ASSOCIATED PETROLEUM PRODUCTS								
NA	Cat B	AUDI TACOMA								
NA	Cat B	AUSTIN'S PR/MX PRFRMC LLC								
NA	Cat B	AUTO CORRECT AUTO REPAIR								
NA	Cat B	AUTO REPAIR EL VALLE								
NA	Cat B	AUTO TRIM DESIGN LLC								
NA	Cat B	AUTOMOTIVE PAINT SPECIALTY								
NA	Cat B	AUTOMOTIVE PAINT SPECIALTY								
NA	Cat B	AUTOMOTIVE SERVICE CENTER								
NA	Cat B	B THOMPSON STUDIO								
FIFE	Cat B	BACCUS DETAILING								
NA	Cat B	BAER AND SMITH FAMILY DENTAL		6/17/2019	6/17/2019			10/1/2014		
FIFE	Cat B	BAGEL BOYZ BISTRO								
NA	Cat B	BAGEL BOYZ BISTRO								
NA	Cat B	BALLY GAMING/BALLY TECHNOLOGIE								
FIFE	Cat B	BALT TRADE LLC								
FIFE	Cat B	BALT TRADE LLC								
NA	Cat B	BAYDO'S RV SERVICE CENTER II								
NA	Cat B	BAYSIDE EMBROIDERY & SCREENPRINT								
NA	Cat B	BELINA INTERIORS INC								
NA	Cat B	BENCHMARK CUSTOM CABINETS INC								
NA	Cat B	BENCHMARK CUSTOM CABINETS INC								
NA	Cat B	BENCHMARK CUSTOM CABINETS INC								
NA	Cat B	BENTSON PRINTING CO								
NA	Cat B	BIG TRUCK SERVICE								
NA	Cat B	BJ'S BREW PUB								
NA	Cat B	BLACK FLEET BREWING								
NA	Cat B	BLISS SMALL BATCH CREAMERY								
NA	Cat B	BMW NORTHWEST								
NA	Cat B	BNSF RAILWAY								
NA	Cat B	BNSF RAILWAY - EAST YARD								
NA	Cat B	BNSF RAILWAY - EAST YARD								
NA	Cat B	BNSF RAILWAY - EAST YARD								
FIFE	Cat B	BON LARDER, LLC								
NA	Cat B	BONNEVILLE POWER ADMINISTRATION								
NA	Cat B	Bonneville Power Administration								
FIFE	Cat B	BPI MEDICAL, INC.								
NA	Cat B	BRIGHT NOW DENTAL		10/23/2019	10/4/2019		Hand delivered.	12/28/2015		
NA	Cat B	BRIGHT SMILE DENTAL		10/15/2019	10/15/2019			12/24/2015		
NA	Cat B	BROADWAY MORRIS TRADE COMPANY								
NA	Cat B	Broadway Morris Trade Company								
NA	Cat B	BUCKY'S FIFE								
NA	Cat B	BUFFELEN WOODWORKING CO		7/15/2019	7/15/2019			10/1/2014		
NA	Cat B	BUTTON VETERINARY HSP INC								
NA	Cat B	CABLE CRAFT								
FIFE	Cat B	CALIBER COLLISION CENTERS								
FIFE	Cat B	CAM FACILITIES								
FIFE	Cat B	CAMIN CARGO CONTROL								
NA	Cat B	CAMIN CARGO CONTROL								
NA	Cat B	CAMPING WORLD								
NA	Cat B	CAR PROS KIA								
NA	Cat B	CARBIDE PROCESSORS INC								
NA	Cat B	CARDINAL HEALTH								
NA	Cat B	CARLOS AUTO REPAIR								
NA	Cat B	CASCADE FRICTION MATERIALS								
NA	Cat B	CASCADE MILLWORK & SUPPLY CO. (CMS)								
NA	Cat B	CATCHALL ENVIRONMENTAL								
FIFE	Cat B	CDI CUSTOM CURB ADAPTERS								
NA	Cat B	CDI CUSTOM CURB ADAPTERS								
NA	Cat B	CEDAR DENTAL CARE		9/24/2019				12/24/2015		

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NA	Cat B	CENTER ELECTRIC INC.								
NA	Cat B	CFM CONSOLIDATED. INC								
NA	Cat B	CFM CONSOLIDATED. INC								
NA	Cat B	CFN-APP SOUTH TACOMA WAY								
NA	Cat B	CHAOS PLUS LLC								
NA	Cat B	CHI FRANCISCAN REHABILITATION HOSPITAL								
NA	Cat B	CHI Medical Center Attn: Business Operations								
NA	Cat B	CHI Medical Center Attn: Business Operations								
NA	Cat B	CHIHULY STUDIO								
NA	MIU	CHIHULY STUDIO			4/10/2019			5/12/2015		
FIFE	Cat B	CHINOOK ROOFING & GUTTERS								
NA	Cat B	CHINOOK ROOFING & GUTTERS								
NA	FSE	CHOWTOWN		11/13/2019				9/30/2019		
NA	Cat B	CITY GLASS & UPHOLSTERY INC								
NA	Cat B	CITY OF FIFE PUBLIC WORKS								
NA	Cat B	CLARK DENTAL GROUP		10/11/2019	10/14/2019			12/28/2015		
NA	Cat B	CLASSIC CURRENT								
NA	Cat B	CLASSIC MARBLE INTERIORS, INC.								
NA	Cat B	CLEAN ENERGY CORP								
NA	Cat B	CLEARWAY GRAPHICS								
NA	Cat B	Clearway Graphics								
NA	Cat B	COCA COLA BOTTLING								
FIFE	Cat B	COLOR SPECTRUM								
NA	Cat B	COMMENCEMENT BAY MARINE SERVICES								
NA	Cat B	Community Health Care								
NA	Cat B	Comprehensive Mental Health								
NA	Cat B	Comprehensive Mental Health								
NA	Cat B	Comprehensive Mental Health								
NA	Cat B	CONCRETE SERVICES INC								
NA	Cat B	CONCRETE TECHNOLOGY CORP								
NA	Cat B	CONSOLIDATED PRESS LLC								
FIFE	Cat B	COPY WRIGHTS								
FIFE	Cat B	COPY WRIGHTS								
NA	Cat B	COREYS MOBILE AUTO DETALING								
NA	Cat B	CORNER AND FLASHING PRESS LLC								
FIFE	Cat B	CORT PARTY RENTAL								
NA	Cat B	COT FIRE STATION #12								
NA	Cat B	COT FIRE STATION #8								
FIFE	Cat B	CUSTOM ELECTRIC & CONTROLS								
NA	Cat B	CUSTOM ELECTRIC & CONTROLS								
NA	Cat B	CUSTOM IMPRESSIONS								
NA	Cat B	CUSTOM IMPRESSIONS								
NA	Cat B	CUSTOM IMPRESSIONS								
FIFE	Cat B	CYCLONE SERVICES LLC								
NA	Cat B	D & B TRUCKING								
FIFE	Cat B	DAIMA PLACE ADULT FAMILY HOME LLC								
NA	Cat B	DARINKA'S TIRE SHOP								
NA	Cat B	Darinka's Tire Shop								
NA	Cat B	DASHBOARDS SKIMBOARD COMPANY, LLC								
NA	Cat B	DAT P. GIAP, D.M.D.		11/21/2019	11/21/2019			10/1/2014		
FIFE	Cat B	DATASUPPLY COMPANY, INC.								
NA	Cat B	DATASUPPLY COMPANY, INC.								
NA	Cat B	David Seele Firestone/Bridgestone								
NA	Cat B	DELTA TOOLING INC								
FIFE	Cat B	DENNY'S RESTAURANT #7533								
NA	Cat B	DESTINATION HARLEY DAVIDSON								
NA	Cat B	DISTINCTIVE DENTISTRY								
NA	Cat B	DOC-1708 S Yakima St Mob LLC C/O Engie Insight-MS 6450								
NA	Cat B	DOORSTEP VETRINARY MEDICINE								
NA	Cat B	DOORSTEP VETRINARY MEDICINE								
closed	Cat C Dom Equ	DOORSTEP VETRINARY MEDICINE		7/15/2019	9/19/2012			10/1/2014		
FIFE	Cat B	DRIVELINES NW								
FIFE	Cat B	DRIVELINES NW		11/12/2019	3/13/2017			3/13/2017		

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NA	Cat B	DRIVELINES NW								
NA	Cat B	DUKE N. DUI FAMILY DENTISTRY		11/26/2019	11/26/2019			10/1/2014		
NA	Cat B	DURHAM SCHOOL SERVICES								
NA	Cat B	DYSTOPIAN STATE BREWING								
NA	Cat B	E9 BREWERY AND TAPROOM								
NA	Cat B	ECOLIBRI AUTO REPAIR								
NA	Cat B	ECOLUBE RECOVERY								
NA	Cat B	EKO UNI								
NA	Cat B	ELITE INTERNATIONAL AUTO REPAIR								
NA	Cat B	Elite International Auto Repair								
NA	Cat B	ELKS TEMPLE - MCMENAMINS HOTEL AND BREWERY								
NA	Cat B	ELLIS MACHINERY & EQUIPMENT INC								
NA	Cat B	EMOJA LOVELOCK HASLAM								
NA	Cat B	Emoja Lovelock Haslam								
NA	Cat B	EMPYREAL CANNABIS								
NA	Cat B	ENTERPRISE RENT A CAR								
NA	Cat B	Enterprise Rent a Car								
NA	Cat B	ENTERPRISE RENT -A- CAR								
NA	Cat B	ENTERPRISE RENT A CAR - MARKET ST								
NA	Cat B	Enterprise Rent a Car - Market St								
NA	MIU	EPIC INDUSTRIAL SERVICES								
NA	Cat B	ERKER'S AUTO AND TRUCK REPAIR								
FIFE	Cat B	ESPECIALLY 4 YOU LLC								
NA	Cat B	ESPECIALLY 4 YOU LLC								
FIFE	Cat B	ESTATE IMAGING								
NA	Cat B	ESTATE IMAGING								
DENTAL	Cat B	EVERLAST FAMILY DENTAL CLINIC LLC		11/15/2019	11/15/2019		Hand delivered.	9/24/2019		
NA	Cat B	EWING IRRIGATION								
NA	Cat B	EWING IRRIGATION								
NA	Cat B	F & D MANAGEMENT								
NA	Cat B	FAIRCHILD FREIGHT LLC								
NA	Cat B	FEDERAL EXPRESS								
NA	Cat B	FEDERAL EXPRESS								
NA	Cat B	FEDEX FREIGHT								
FIFE	Cat B	FIFE AUTO REPAIR AND SALES								
FIFE	Cat B	FIFE AUTO REPAIR AND SALES								
FIFE	Cat B	FIFE AUTO REPAIR AND SALES		9/24/2019	6/28/2018			5/12/2015		
NA	Cat B	FIFE AUTO REPAIR AND SALES								
NA	Cat B	FIFE AUTO SPA								
NA	Cat B	FIFE CLINIC, INC.								
NA	Cat B	FIFE RECOVERY SERVICE								
FIFE	Cat B	FIFE RV, INC.								
FIFE	Cat B	FIFE SAND AND GRAVEL, LIMITED LIABILITY COM								
NA	Cat B	FIFE SCHOOL DIST. BUS SHOP								
NA	Cat B	FIRESTONE TIRE & SERVICE CENTER #31A								
NA	Cat B	Firestone/Bridgestone Tire & Service Center #31a								
NA	Cat B	FIVE STAR AUTO BODY								
NA	Cat B	Five Star Auto Body								
FIFE	Cat B	FLAIR FLEXIBLE PACKAGING CORPORATION (WASHINGTON								
NA	Cat B	FLAIR FLEXIBLE PACKAGING CORPORATION (WASHINGTON								
NA	Cat B	FLAVORWORKS								
FIFE	Cat B	FORWARD AIR FREIGHT								
NA	Cat B	FORWARD AIR FREIGHT								
NA	Cat B	FRED MEYER #390								
NA	Cat B	FRED TEBB & SONS INC								
NA	Cat B	FRONTLINE FINISH LLC								
NA	Cat B	FULL CONTAINER RECOVERY								
FIFE	Cat B	GATES UNDERGROUND LLC								
FIFE	Cat B	GEARY PACIFIC SUPPLY								
NA	Cat B	GEARY PACIFIC SUPPLY								
NA	Cat B	GENE PANKEY MOTOR CO. INC.								
FIFE	Cat B	GENERAL FORWARDERS								
NA	Cat B	GENERAL FORWARDERS								

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NA	Cat B	GENERATION 1								
NA	Cat B	GESSEL ORTHODONTICS		7/15/2019				7/15/2019		
NA	Cat B	GIG HARBOR BOAT WORKS								
NA	Cat B	GIG HARBOR BOAT WORKS								
NA	Cat B	GIG HARBOR BOAT WORKS								
NA	Cat B	GK AUTO								
NA	Cat B	Gk Auto								
NA	Cat B	GLOBAL AGRI-TRADE CORP								
FIFE	Cat B	Global Agri-Trade Corporation								
NA	Cat B	GLOBALTECH PLASTICS								
FIFE	Cat B	GOLDEN ARM LLC								
FIFE	Cat B	GOODYEAR TIRE & RUBBER #8827								
NA	Cat B	GOODYEAR TIRE & RUBBER #8827								
NA	Cat B	GRANT DENTURE CLINIC		9/26/2019	9/26/2019			10/1/2014		
NA	Cat B	GREENBRIER RAIL SERVICES								
NA	Cat B	GREENLEAF LANDSCAPING								
NA	Cat B	Greenleaf Landscaping								
FIFE	Cat B	GREENSOURCE BRAND APPAREL, INC.								
NA	Cat B	GREGORY J PLNCCH DDS INC		11/26/2019	11/26/2019			10/1/2014		
NA	Cat B	GRIOT'S GARAGE								
NA	Cat B	GRISWOLD PERFORMANCE								
FIFE	Cat B	GSC MECHANICAL, LLC								
NA	Cat B	GSC MECHANICAL, LLC								
FIFE	Cat B	GT AUTO PROPERTIES								
FIFE	Cat B	H&H DIESEL								
NA	Cat B	H&H DIESEL								
NA	Cat B	HAMMONDKNOLL								
NA	Cat B	HARMON TAPROOM & BREWERY								
NA	Cat B	HERC EQUIPMENT RENTAL								
NA	Cat B	HEWITT CABINETS AND INTERIORS								
NA	Cat B	HEWITT CABINETS AND INTERIORS								
NA	Cat B	HEWITT CABINETS AND INTERIORS								
NA	Cat B	HEWITT CABINETS AND INTERIORS		11/12/2019	11/12/2019			5/12/2015		
NA	Cat B	HI GLOSS PHOTO SERVICE								
NA	Cat B	HINSHAWS ACURA								
NA	Cat B	HOAK GREEN								
NA	Cat B	Hoak Green								
NA	Cat B	HOLROYD COMPANY, INC.-74TH STR.								
NA	Cat B	HOLROYD COMPANY, INC.-74TH STR.								
NA	Cat B	HOLROYD COMPANY, INC.-74TH STR.								
NA	Cat B	HOLROYD COMPANY, INC.-74TH STR.								
NA	Cat B	Home Owner								
NA	Cat B	HONDA OF FIFE								
NA	Cat B	HONEY HOUSE NATURALS								
NA	Cat B	HOSMER 76 & CAR WASH								
NA	Cat B	HOUSE OF SCOTT FUNERAL & CRMTN SVCS								
NA	Cat B	HOYA VISION CARE								
NA	Cat B	HUGHES FIRE EQUIPMENT								
NA	Cat B	HUGHES FIRE EQUIPMENT								
FIFE	Cat B	Human Life of Washington								
NA	Cat B	HUMAN LIFE OF WASHINGTON								
NA	Cat B	HYDRO EMPIRE								
NA	Cat B	Hydro Empire								
FIFE	Cat B	ILLMATIC ELECTRIC								
NA	Cat B	IMPORT CITY MOTORS								
NA	FSE	INCLINE CIDER HOUSE		11/12/2019	10/11/2019			9/30/2019		
FIFE	Cat B	INDUSTRIAL RESEARCH PRODUCTS								
NA	FSE	INFINITE SOUPS		12/9/2019	8/10/2010		FSE Survey	10/1/2014		
NA	Cat B	INTERSTATE TRUCK REPAIR								
NA	Cat B	Interstate Truck Repair								
NA	Cat B	Interstate Truck Repair								
NA	Cat B	IR SPECIALTY FOAM LLC								
NA	Cat B	J&G Marine Supply/Alaskan Ice Seafoods								

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FIFE	Cat B	JACKS AUTO DETAILING & RV REPAIR								
FIFE	Cat B	JAGUAR OF TACOMA IN FIFE		9/24/2019	6/20/2017			10/1/2014		
FIFE	Cat B	JAGUAR OF TACOMA IN FIFE								
NA	Cat B	James Downing Firestone/Bridgestone								
NA	Cat B	Jc Marine Services								
NA	Cat B	JESSE ENGINEERING - YARD 4		7/16/2019	6/20/2019			10/1/2014		
NA	Cat B	Jesus Muffler & Radiator								
NA	Cat B	JESUS MUFFLER & RADIATOR REPAIR								
FIFE	Cat B	JIFFY LUBE #3178								
NA	Cat B	JIFFY LUBE #888								
NA	Cat B	Jiffy Lube #888								
FIFE	Cat B	JL INVESTMENTS & CONTRACTORS , LLC								
FIFE	Cat B	JMS AUTO SALON-FIFE								
FIFE	Cat B	JOE'S DELI								
NA	Cat B	JOHNSON CANDY CO		4/11/2019	11/26/2019			10/1/2014		
NA	Cat B	JOHNSON CANDY CO								
NA	Cat B	JR REDDING		7/16/2019	8/13/2018			10/1/2014		
NA	Cat B	KARBAKHSCH PERIODONTCS&IMPLNTS PLLC		6/24/2019	6/24/2019			12/24/2015		
NA	Cat B	KIM VIET JEWELRY								
NA	Cat B	KLEEN BLAST								
FIFE	Cat B	KT AUTO SALES INC								
NA	Cat B	KUNEY CONSTRUCTION								
NA	Cat B	KUSTOM MATERIAL LAMINATOR		7/10/2019	12/6/2017			7/29/2013		
NA	Cat B	Larry Magee Firestone/Bridgestone								
FIFE	Cat B	LEAN ENVIRONMENT		3/4/2019	2/22/2017			2/22/2017		
NA	Cat B	LENS CRAFTERS								
NA	Cat B	LIANGA PACIFIC INC		7/10/2019	8/19/2016			10/1/2014		
NA	Cat B	LIGHT DENTAL STUDIOS		11/14/2019	11/5/2019			10/1/2014		
IWWDP	SIU	LILYBLAD PETROLEUM INC		6/10/2019	8/8/2018			10/1/2014		
NA	Cat B	LINCOLN PHARMACY		7/10/2019	11/15/2018			12/5/2018		
NA	Cat B	LLOYD AND WILSON AUTO SERVICE								
NA	Cat B	LLOYD AND WILSON AUTO SERVICE		7/10/2019	3/15/2018			3/15/2018		
NA	Cat B	LM DIGITAL								
NA	Cat B	LOLO'S TIRES								
NA	Cat B	LONG PEST CONTROL INC								
FIFE	Cat B	LPI CASTERS								
IWWDP	SIU	LRI - HIDDEN VALLEY LANDFILL		6/24/2019	4/26/2018			6/4/2015		
NA	Cat B	LUCKS FOOD DECORATING COMPANY								
NA	Cat B	LUCKY LOOU'S								
NA	Cat B	LUSAMERICA FISH								
FIFE	Cat B	LYRIC'OL STUDIO								
NA	Cat B	M STREET DENTISTRY								
NA	Cat B	M2 INNOVATIVE CONCEPTS								
FIFE	Cat B	MABJJ TACOMA								
NA	Cat B	MAC GUY								
FIFE	Cat B	MAINFREIGHT, INC.								
FIFE	Cat B	MAJOR WIRE SCREEN MEDIA								
NA	Cat B	MALM'S DRYCLEANING		4/8/2019	11/28/2017			10/1/2014		
NA	Cat B	MALM'S DRYCLEANING								
NA	Cat B	MAPLE LEAF MOTORS								
NA	Cat B	MAPLE LEAF MOTORS		9/24/2019	7/11/2018			7/12/2018		
NA	Cat B	MARKLEY ENTERPRISES INC								
NA	Cat B	MARY'S AUTO REPAIR								
NA	Cat B	MATCH MART								
NA	Cat B	MAXI SPACE								
NA	MIU	MCFARLAND CASCADE POLE & LUMBER CO		4/8/2019	2/17/2015			10/1/2014		
NA	MIU	MCFARLAND CASCADE POLE & LUMBER CO								
NA	IU	MCKINNEY TRAILER RENTALS								
FIFE	IU	MCLEAN'S AUTO REPAIR								
NA	IU	MEADOW PARK GOLF COURSE								
FIFE	IU	MECHANICAL & CONTROL SERVICES, INC								
NA	IU	MEGA METAL RECYCLING								
NA	IU	MEGAN R MILLER DDS		12/2/2019	11/26/2019			12/28/2015		

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FIFE	IU	MERCER DISTRIBUTION SERVICES (MERCERLOGISTICS)								
NA	IU	MGP XI Tacoma KMS LLC								
NA	IU	MICHAEL J GIESY DMD PLLC		12/9/2019	11/14/2019			10/1/2014		
FIFE	IU	MIDWAY MUFFLER, RADIATOR & BRAKES								
FIFE	IU	MILGARD #79-3712 MFG PLANT								
FIFE	IU	MILGARD #79-3712 MFG PLANT								
FIFE	IU	MILGARD #79-3712 MFG PLANT								
FIFE	IU	MILGARD #79-3777 CORP & TEMPERING MFG PLANT								
FIFE	MIU	MILGARD MANUFACTURING - PULTRUSION DIVISION								
NA	IU	MILGARD MANUFACTURING - PULTRUSION DIVISION								
NA	IU	MILGARD MANUFACTURING - PULTRUSION DIVISION								
NA	IU	MINUTEMAN PRESS		9/24/2019	8/2/2016			10/1/2014		
NA	IU	MINUTEMAN PRESS								
NA	IU	MODUTECH MARINE INC		7/15/2019	9/4/2019			10/1/2014		
NA	IU	MORRELL'S DRY CLEANERS								
NA	IU	Multeni and Singh LLC, Hosmer 76								
NA	IU	Multicare Allenmore Internal Medicine								
NA	IU	MULTI-CARE BOILER PLANT								
NA	IU	Multicare Health Systems								
NA	IU	MULTICARE MATERNAL FAMILY MEDICINE								
NA	IU	MULTICARE MEDICAL CENTER - 409 S J ST								
NA	IU	MULTICARE TACOMA GENERAL / MARY BRIDGE HOSPITAL								
NA	IU	MWENSOTI LLC								
FIFE	IU	MX SPORT PARTS								
NA	IU	MY GOODS - 76 FUEL STOP								
NA	MIU	NARROWS BREWING COMPANY		7/15/2019				5/12/2015		
FIFE	Cat B	NEW HORIZON CHRISTIAN CENTER								
FIFE	Cat B	NGP								
NA	IU	NICHOLAS GIBBONS PEDIATRIC DENTAL CARE CENTER		11/8/2019	11/8/2019			10/1/2014		
NA	IU	NICHOLSON INDUSTRIAL COMPONENTS								
NA	IU	NORDLUND BOAT COMPANY INC		7/16/2019	3/18/2016			10/1/2014		
NA	IU	NORTH END CLEANERS								
NA	IU	NORTH END TREATMENT PLANT - WWTP 3								
NA	IU	NORTHWEST CUSTOM CANNERY & SEAFOOD								
NA	IU	NORTHWEST IMPRESSIONS		7/10/2019	1/11/2018			10/1/2014		
NA	IU	NORTHWEST MARINE CONSTRUCTION INC								
NA	IU	NORTHWEST MARINE CONSTRUCTION INC								
FIFE	IU	NORTHWEST MINI								
NA	IU	NORTHWEST RADIATOR WORKS INC								
NA	IU	NORTHWEST STEEL & PIPE, INC		7/10/2019	5/10/2019			1/1/2013		
NA	IU	NORTHWEST STEEL & PIPE, INC								
FIFE	IU	NORTHWEST TOOL & REPAIR								
FIFE	IU	NORTHWEST TOOL & REPAIR								
FIFE	IU	NORTHWEST TOOL & REPAIR								
NA	IU	NU WAY CLEANERS								
NA	IU	NU-TREAD TIRES		7/15/2019	8/9/2016			10/1/2014		
NA	MIU	ODD OTTER BREWING COMPANY								
NA	IU	OLYMPIC CHEMICAL								
NA	IU	OLYMPIC CHEMICAL								
NA	IU	OLYMPIC CHEMICAL								
NA	IU	OLYMPIC PIPE LINE COMPANY								
NA	IU	Olympic Pipeline Co.								
FIFE	IU	O'NEILLS MOBILE MARINE AND RV								
NA	IU	OPUS ELEVEN LLC DDS								
NA	IU	ORCAS HAULING								
FIFE	IU	ORKIN PEST CONROL								
FIFE	IU	OVERHEAD DOOR CORPORATION								
FIFE	IU	PACENT								
NA	IU	PACIFIC ATLANTIC EXPRESS								
NA	IU	PACIFIC BREWING & MALTING CO								
NA	IU	PATRICK MBITU NJENGA								
FIFE	IU	PATRIOT FIRE PROTECTION, INC.								
NA	IU	PENSKE TRUCK LSNG CO LP								

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NA	IU	PEPSI BOTTLING GROUP								
NA	IU	PEPSI BOTTLING GROUP								
NA	MIU	PEPSI BOTTLING GROUP								
NA	IU	PETRICH MARINE								
FIFE	IU	PETROCARD FIFE								
NA	IU	PICH KIRI JEWELRY								
NA	IU	PICH KIRI JEWELRY								
NA	IU	PICH KIRI JEWELRY								
NA	IU	PLA ENDODONICS		6/26/2019	6/12/2019			12/24/2015		
NA	IU	PLANNED PARENTHOOD OF W W								
NA	IU	PLATINUM LEAF SOCIETY								
NA	IU	POLYREV								
NA	IU	POLYREV								
FIFE	IU	POP'S FLOWERS LLC								
FIFE	IU	PORSCHE OF TACOMA								
NA	IU	PORT COMMERCE CENTER BLDNG #5								
NA	IU	POSEIDON MOBILE AUTO DETAILING LLC								
FIFE	IU	PRECAST CONCRETE INDUSTRIES INC								
FIFE	IU	PRECAST CONCRETE INDUSTRIES INC								
FIFE	IU	PRECAST CONCRETE INDUSTRIES INC								
FIFE	IU	PRECISION MACHINE WORKS INC								
FIFE	IU	PREMIER TRAILER LEASING								
NA	IU	PREMIUM SHINE DETAILING								
NA	IU	Primary Care Northwest								
NA	IU	PROGRESS RAIL SERVICES								
NA	IU	PROGRESS RAIL SERVICES								
NA	IU	PROGRESS RAIL SERVICES								
NA	IU	PUGET SOUND SEAFOOD PROCESSORS								
NA	IU	PUGET SOUND SEAFOOD PROCESSORS								
NA	IU	PUGET SOUND SEAFOOD PROCESSORS								
NA	IU	Puget Sound Seafood Processors								
NA	IU	PUGLIA ENGINEERING								
NA	IU	PULSE VASCULAR SURGERY INC								
NA	IU	PUYALLUP TRIBE, NORTHSHORE GOLF COURSE								
FIFE	IU	PUYALLUP TRIBE, TAHOMA COMMERCIAL FUEL FACILITY								
NA	IU	PUYALLUP TRIBE, TAHOMA 76 STATION - 103								
NA	IU	PUYALLUP TRIBE, TAHOMA 76 STATION - 208								
NA	IU	PUYALLUP TRIBE, TAHOMA 76 STATION - 6006								
NA	IU	PUYALLUP TRIBE, TAHOMA EXPRESS 76 STATION - 2002								
NA	IU	PUYALLUP TRIBE, TAHOMA SHELL STATION - 2802								
NA	IU	QUIKRETE NORTHWEST		7/16/2019	8/13/2019			10/1/2014		
NA	IU	QWEST SERVICE SHOP								
NA	IU	RAINIER DESIGNS LLC								
NA	IU	RAM BREWERY								
NA	IU	RAM RESTAURANT & BREWERY								
NA	IU	RAMEL MELEEK WILLIAMS								
FIFE	IU	RANCHO MESA INSURANCE SERVICES, INC.								
NA	IU	RECON REVOLUTION								
FIFE	IU	REGAL WEST CORP 6546 20TH ST E								
FIFE	IU	RESTAURANT DEPOT								
FIFE	IU	RESTAURANT TECHNOLOGIES, INC								
FIFE	IU	RESTAURANT TECHNOLOGIES, INC								
FIFE	IU	RESTAURANT TECHNOLOGIES, INC								
FIFE	IU	RESTOR DENTAL LABORATORY								
NA	IU	REVALESIO								
NA	IU	REVCHEM PLASTICS INC								
NA	IU	RICKS DIAGNOSTIC & REPAIR SERVICE		4/8/2019	10/28/2019			2/25/2019		
NA	IU	RIGHT ON SHINE LLC								
FIFE	IU	RIVERSIDE LOGISTIC LLC								
NA	IU	ROAD ONE INTERMODAL LOGISTICS								
NA	IU	Robert and Darla Rants								
NA	IU	ROMAINE ELECTRIC CORPORATION								
NA	IU	RONALD H KURITANI DDS		12/2/2019	12/2/2019			12/24/2015		

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FIFE	IU	RTC AEROSPACE-FIFE DIVISION								
FIFE	IU	RUSELL'S EXPRESS LLC								
FIFE	IU	RUSELLS TRUCKING LLC								
NA	IU	RUSTON KITCHEN & BATH CABINETS								
NA	IU	RUSTON KITCHEN & BATH CABINETS								
FIFE	IU	RV COUNTRY								
NA	IU	RYDER TRUCK RENTAL INC								
NA	IU	SAFEWAY #1978								
NA	IU	SASQUATCH HERB COMPANY								
NA	IU	SCHILLING GRAPHICS								
NA	IU	SCHNITZER STEEL INDUSTRIES, INC.								
NA	IU	SEA MAR COMMUNITY HEALTH CLINIC								
FIFE	IU	SEA SHEET METAL								
FIFE	IU	SEA-MAR COMMUNITY HEALTH CENTER								
NA	IU	SHA-DI DESIGNS								
NA	IU	SHELL (HOSMER FOOD MART)								
NA	IU	SMOOTH SAILING VENTURES								
NA	MIU	SONIA PAL - PROPERTY OWNER		6/24/2019	6/24/2019			6/13/2019		
NA	IU	SONIA PAL DMD PS		6/24/2019	6/24/2019			1/19/2016		
NA	IU	SOUND MARINE INC								
DENTAL	IU	SOUNDVIEW DENTAL ARTS		12/3/2019	12/2/2019			9/24/2019		
FIFE	IU	SOUTH SOUND OLYMPIANS								
NA	IU	SOUTHSIDE BRAKE & CLUTCH								
NA	IU	SPEED E MART / VP RACING FUELS								
NA	IU	SPEED MOTORS		4/8/2019	10/23/2019			12/5/2017		
NA	IU	SPINNING HEADS INC								
NA	IU	SPLASH-N-DASH CAR WASH								
NA	IU	SPRAGUE PEST SOLUTION		9/24/2019	6/26/2018			10/1/2014		
NA	IU	SPRAGUE PEST SOLUTIONS								
NA	IU	SPRAGUE PEST SOLUTIONS								
NA	IU	SPRING BACK MATTRESS RECYCLING								
NA	IU	SSA PACIFIC TERMINALS INC								
NA	IU	SSA PACIFIC TERMINALS INC								
NA	IU	SSA PACIFIC TERMINALS INC								
NA	IU	ST. JOSEPH HOSPITAL								
NA	IU	ST. JOSEPH PHYSICIAN MEDICAL & OUTPATIENT CENTERS								
NA	IU	STAR RENTALS		7/16/2019	8/18/2016			10/22/2013		
FIFE	IU	STICKERS NORTHWEST								
NA	IU	STRAIGHT LINE DETAILING								
NA	IU	STREET RIOT PERFORMANCE								
NA	IU	STREET RIOT PERFORMANCE								
NA	IU	STREICH BROTHERS INC								
NA	IU	STREICH BROTHERS INC								
NA	IU	STREICH BROTHERS INC								
NA	IU	SUMMIT VETERINARY REFERRAL CENTER								
FIFE	IU	SUNBELT RENTALS - FIFE								
NA	IU	SUPERIOR SAW & SUPPLY INC								
NA	IU	SUPERIOR SAW & SUPPLY INC								
FIFE	IU	SUPERIOR STRUCTURES, INC.								
NA	IU	SUPERLON PLASTICS CO INC								
NA	IU	SUPERVALU		7/16/2019	8/29/2018			1/1/2013		
NA	IU	T TOWN APPAREL								
NA	IU	T TOWN APPAREL								
NA	IU	T TOWN APPAREL								
NA	IU	TACOMA AUTO REPAIR-0160								
NA	IU	TACOMA CAT HOSPITAL								
NA	IU	TACOMA CAT HOSPITAL								
NA	IU	Tacoma Cat Hospital								
NA	IU	TACOMA DENTAL GROUP		6/24/2019	6/24/2019			12/24/2015		
NA	IU	TACOMA IRON WORK LLC								
NA	IU	TACOMA IRON WORK LLC								
NA	IU	TACOMA IRON WORK LLC								

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NA	IU	TACOMA LINK LIGHT RAIL								
NA	IU	Tacoma Medical Clinic PLLC								
NA	IU	TACOMA METALS INC								
NA	IU	TACOMA METALS INC								
NA	IU	TACOMA METALS INC								
NA	IU	TACOMA PUBLIC SCHOOLS, MAINTENANCE HQ								
FIFE	IU	TACOMA RV CENTER								
NA	IU	TACOMA STEEL								
NA	IU	Tacoma, Medical Clinic								
NA	IU	TCC MAINTENANCE SHOP								
NA	IU	THE CAR GUY 253								
FIFE	IU	THE CUSTOM BUSINESS LLC								
FIFE	IU	THE LITTLE GRIMLINGS								
FIFE	IU	THE LUCKS COMPANY, LLC								
NA	IU	THE RAVE CAR WASH								
NA	IU	THE RESURFACER								
NA	IU	THE TUNE UP SHOP								
FIFE	IU	TIMCO INC. ARG								
NA	IU	TITUS WILL TOYOTA								
NA	IU	TOOL GAUGE & MACHINE WORKS, INC.-0120		7/11/2019	12/4/2019			10/1/2014		
NA	IU	TOOLUP NW								
FIFE	IU	TOP AUTO BODY		9/24/2019	11/5/2019			11/8/2017		
NA	IU	TOP AUTO BODY								
NA	IU	TOP CLEANERS								
FIFE	IU	TRANSIT REFRIGERATION								
NA	IU	TRANSPRO INC								
FIFE	IU	TRASH BAGZ JUNK REMOVAL								
FIFE	IU	TREASURE IN THE WORD								
NA	IU	TRI PAK INC YARD #1								
NA	IU	TRI PAK YARD #2								
NA	IU	TRI PAK YARD #2								
NA	IU	TRI PAK YARD #2								
NA	IU	Tri Pak Yard #2								
NA	IU	TRI PAK YARD #4								
NA	IU	TRIAD MACHINERY								
NA	IU	TRIAD MACHINERY								
NA	IU	TRIAD MACHINERY								
NA	IU	TRIDENT SEAFOODS CORPORATION								
NA	IU	TRIDENT SEAFOODS CORPORATION								
NA	IU	TRIDENT SEAFOODS CORPORATION								
FIFE	IU	TRU ENTERPRISES								
FIFE	Cat C Dom Equ	TRUCK & TRAILER REFRIGERATION		9/24/2019	3/23/2017			5/12/2015		
FIFE	IU	TRUCK & TRAILER REFRIGERATION								
FIFE	IU	TRUCK & TRAILER REFRIGERATION								
NA	IU	TUNISTA CONSTRUCTION								
NA	IU	UNCLE E'S CYCLES LLC								
NA	IU	UNIGEN								
FIFE	IU	UNION PACIFIC RAILROAD								
NA	IU	UNIVERSITY DENTAL CARE		6/20/2019	6/20/2019			10/1/2014		
NA	IU	UNIVERSITY OF PUGET SOUND								
NA	MIU	URBAN ACCESSORIES INC		7/16/2019	3/11/2016			10/1/2014		
NA	IU	US HEALTHWORKS MED GROUP OF WA								
NA	IU	US HEALTHWORKS MED GROUP OF WA								
NA	IU	US HEALTHWORKS MED GROUP OF WA								
NA	IU	V R ROOFING								
NA	IU	Valley Dairy Farms Inc								
NA	IU	VALLEY REPAIR LLC								
FIFE	IU	VETERANS INDEPENDENT ENTERPRISES OF WASHINGTON								
FIFE	IU	Veterans Independent Enterprises of Washington								
FIFE	IU	VOLVO OF TACOMA IN FIFE		9/24/2019	12/6/2019			1/8/2014		
FIFE	IU	WESTCOAST MODULAR SERVICES								
NA	IU	WESTEC TOOL & PROD INC		7/10/2019	9/7/2017			10/1/2014		
NA	IU	WESTERN MACHINE WORKS		7/10/2019	10/25/2018			10/1/2014		

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FIFE	IU	WESTERN STATES TRANSPORTATION								
NA	IU	WESTGATE ANIMAL HOSPITAL								
NA	IU	WHIRLWIND								
NA	IU	WHITES MOTORCYCLE REPAIR								
NA	IU	WILLAMETTE DENTAL								
FIFE	IU	WIM LLC								
FIFE	IU	WINDOW AND GUTTER CLEANING NINJAS LLC								
NA	IU	WM DICKSON CO								
FIFE	IU	WONDA								
NA	IU	WWL VEHICLE SERVICES AMERICAS, INC.								
NA	IU	XTRACARE DENTAL			11/26/2019			10/1/2014		
FIFE	IU	YBB AUTO SALON		9/25/2019	6/19/2018			7/28/2016		
FIFE	IU	YBB AUTO SALON								
NA	IU	YRC FRIEGHT 873								

2019 Form 3A
SIUs with Important Information Tabulated

Company Name	Contact Name	Contact Phone	Address	City/State/Zip	Categorical Standard	Primary Activity (Process/Products)
BRADKEN-ATLAS FOUNDRY	SUSAN WAGNER	253-475-3463	3021 SOUTH WILKESON STREET	TACOMA, WA 98421	40 CFR PART 464	STEEL AND STAINLESS STEEL FOUNDRY
BURLINGTON ENVIRONMENTAL	KEITH LUND	425-227-6120	1701 ALEXANDER AVENUE EAST	TACOMA, WA 98421	40 CFR PART 437	CENTRALIZED WASTE TREATMENT – MULTIPLE WASTESTREAMS
CARAUSTAR (FORMERLY SMURFIT-STONE)	MARK LINDSTROM	253-627-1197	808 EAST 26TH STREET	TACOMA, WA 98404	40 CFR PART 430	COMBINED PAPERBOARD MANUFACTURING
DARLING INGREDIENTS INC	JOHN SMITH	253-572-3922	2045 MARC STREET	TACOMA, WA 98421	40 CFR PART 432	RENDERING PLANT
DELTA CAMSHAFT	JON BODWELL	253-383-4152	2366 TACOMA AVENUE SOUTH	TACOMA, WA 98409	40 CFR PART 433	METAL FINISHING
Elite Linen and Laundry Former ECOTEX - HEALTHCARE LAUNDRY	TIM KING	253-627-1331	1115 EAST 25TH STREET	TACOMA, WA 98404	DESIGNATED SIU	COMMERCIAL LAUNDRY
EDMAN COMPANY	GEORGE EDMAN III	253-572-5306	2502 MARINE VIEW DRIVE	TACOMA, WA 98421	40 CFR PART 429	LOG STORAGE AND PROCESSING FACILITY
EMERALD SERVICES, INC.	MARC MCREYNOLDS	206-832-3100	1825 ALEXANDER AVENUE	TACOMA, WA 98421	40 CFR PART 437	RCRA HAZARDOUS WASTE TREATMENT AND STORAGE FACILITY
EVERGREEN AMERICA CORPORATION	MITCHELL POE	253-896-8389	4015 SR 509 NORTH FRONTAGE ROAD	TACOMA, WA 98404	DESIGNATED SIU	MARINE TERMINAL
FEDERAL WAY RADIATOR	RON BUCKHOLZ	253-922-7200	8116 PACIFIC HIGHWAY EAST (FIFE)	TACOMA, WA 98424	DESIGNATED SIU	AUTOMOTIVE ENGINE AND RADIATOR REPAIR
FIBRO CORPORATION	SHARON ZHANG	253-503-3568	3101 SOUTH TACOMA WAY	TACOMA, WA 98409	40 CFR PART 430	MOLDED FIBER PRODUCTS
FOSS LANDING MARINA	WALT POOLE	253-627-4344	1940 EAST D STREET	TACOMA, WA 98421	DESIGNATED SIU	MARINA AND DRY BOAT STORAGE
GARDNER-FIELDS COMPANY LLC	LARRY NORDI	253-627-4098x712	2240 TAYLOR WAY	TACOMA, WA 98421	40 CFR PART 443/455	PESTICIDE WHOLESALER & ROOFING MATERIALS MANUFACTURER
HERITAGE-CRYSTAL CLEAN, LLC	ANTONIO SANTOS	253-779-8474	1901 EAST D STREET	TACOMA, WA 98421	40 CFR PART 437	CENTRALIZED WASTE TREATMENT – OILY WASTE AND ANTIFREEZE RECYCLING
INNOVATIVE REPAIRS	GREG BAXLEY	253-926-6755	5225 7TH STREET E BUILDING 6	FIFE, WA 98424	40 CFR PART 442	MOBLE FLEET REPAIR, ISO TANK REPAIR AND CLEANING
JONES CHEMICAL	JAMES GROH	253-572-9043	1919 MARINE VIEW DRIVE	TACOMA, WA 98421	DESIGNATED SIU	INDUSTRIAL INORGANIC CHEMICAL MANUFACTURING, REPACKAGING AND BULK TERMINALING
LRI (PIERCE COUNTY RECYCLING, DISPOSAL & COMPOSTING)	GEORGE DUVENDACK	253-847-7555	30919 MERIDIAN STREET E	GRAHAM, WA 98338	DESIGNATED SIU	SOLID WASTE HANDLING
MILTON DECANT FACILITY	JAMIE CARTER	253-517-2708	714 KENT STREET	MILTON, WA 98354	SIU	DECANT FACILITY
MOTIVE POWER MARINE	Ben McDowell	907-299-5111	401 E ALEXANDER AVE	TACOMA WA 98421	40 CFR Part 403	Ship Building and Repair
NORTHSTAR CHEMICAL	WALT STORY	253-606-3580	1919 MARINE VIEW DRIVE	TACOMA, WA 98421	DESIGNATED SIU	BULK CHEMICAL DISTRIBUTOR
NW ETCH TECHNOLOGY	JOHN DOOLEY	253-572-2401	2601 SOUTH HOOD STREET	TACOMA, WA 98409	40 CFR PART 433	PHOTOCHEMICAL MACHINING

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Company Name	NAICS/SIC Codes	Total Water Use GPD	Domestic Discharge GPD	Process Discharge GPD	Wastewater Analyzed	Pretreatment Needed (Y/N)
BRADKEN-ATLAS FOUNDRY	3325	5206	90	25	YES	YES
BURLINGTON ENVIRONMENTAL	562211	1,672	753	919	YES	YES
CARAUSTAR (FORMERLY SMURFIT-STONE)	2631	1277	100	1177	YES	YES
DARLING INGREDIENTS INC	2077	75699	470	75229	YES	YES
DELTA CAMSHAFT	332812	40	40	ZERO DISCHARGE	YES	YES
Elite Linen and Laundry Former ECOTEX - HEALTHCARE LAUNDRY	7219	97	97	0 (In process of Opening)	YES	YES
EDMAN COMPANY	321113	1924	171	1753	YES	YES
EMERALD SERVICES, INC.	562211	6727	611	6116	YES	YES
EVERGREEN AMERICA CORPORATION	488320	2047	998	2047	YES	YES
FEDERAL WAY RADIATOR	811118	PIERCE COUNTY PERMIT	Fife	0	NO	YES
FIBRO CORPORATION	2679	ZERO DISCHARGE	1069	1069	NO	YES
FOSS LANDING MARINA	4493	1240	57	1183	YES	YES
GARDNER-FIELDS COMPANY LLC	324122/325320	4328	412		YES	YES
HERITAGE-CRYSTAL CLEAN, LLC	562219	153	43	110	YES	YES
INNOVATIVE REPAIRS	561720	ZERO DISCHARGE	Fife	0	NO	YES
JONES CHEMICAL	325188	ZERO DISCHARGE/18949.33		0	NO	YES
LRI (PIERCE COUNTY RECYCLING, DISPOSAL & COMPOSTING)	4953	NA	NA	62,000	YES	YES
MILTON DECANT FACILITY	561210	PIERCE COUNTY PERMIT	0	Did not discharge in 2019	NO	YES
MOTIVE POWER MARINE	336611					
NORTHSTAR CHEMICAL	424690	0	0	115	YES	YES
NW ETCH TECHNOLOGY	3479	ZERO DISCHARGE / 456		0	NO	NO

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ORION MARINE CONTRACTORS	DARYL SYLVESTER	253-552-1158	1851 TAYLOR WAY	TACOMA, WA 98421	DESIGNATED SIU	EQUIPMENT WASHING
PABCO ROOFING PRODUCTS	JASON ANDERSON	253-284-1221	1718 THORNE RD	TACOMA, WA 98421	DESIGNATED SIU	ROOFING MATERIALS MANUFACTURING
PACIFIC CONTAINER CORPORATION	BRYAN KIEHL	253-473-0330	4101 SOUTH 56TH STREET	TACOMA, WA 98409	DESIGNATED SIU	FOLDING PAPERBOARD MANUFACTURING
PACIFIC NW TERMINALS	BRAD CRAIG	253-370-7845	1749 MARINE VIEW DRIVE	TACOMA, WA 98421	DESIGNATED SIU	BULK PETROLEUM STORAGE
PERFORMANCE RADIATOR	TIM PAVOLKA	253-472-0586	2667 SOUTH TACOMA WAY	TACOMA, WA 98409	DESIGNATED SIU	RADIATOR SALES & REPAIR
PETROLEUM RECLAIMING SERVICES	TOM SMITH	253-383-4175	3003 TAYLOR WAY EAST	TACOMA, WA 98421	40 CFR PART 437	CENTRALIZED WASTE TREATMENT – OILY WASTE
PM TESTING	MATHEW HAGAR	253-922-1321	3921 PACIFIC HIGHWAY EAST (FIFE)	TACOMA, WA 98424	40 CFR PART 433	METAL FINISHING, NON-DESTRUCTIVE TESTING
PORT OF TACOMA/MAINTENANCE	DEANNA SEAMAN	253-383-9438	802 PORT CENTER ROAD	TACOMA, WA 98421	DESIGNATED SIU	PORT TERMINAL MAINTENANCE SHOP
POWDER COATING SYSTEMS	GREGG TAYLOR	253-627-3875	3133 SOUTH LAWRENCE STREET	TACOMA, WA 98409	40 CFR PART 433	POWDER COATING JOB SHOP
PUGET SOUND ENERGY	DAVE COOPER	425-827-4588	2200 EAST RIVER STREET	TACOMA, WA 98421	DESIGNATED SIU	GROUNDWATER REMEDIATION FACILITY
RAINIER BALLISTICS	DON SHRIDE	253-922-8722	4500 15TH STREET EAST (FIFE)	TACOMA, WA 98424	40 CFR PART 433	SMALL ARMS AMMUNITION MANUFACTURER
SEATAC INFLITE SERVICES (BON AIRE LINEN)	JULIE IRWIN	253-472-0675	5215 SOUTH TACOMA AVE	TACOMA, WA 98409	FLOW	NOW SEATAC IN FLIGHT SERVICES
SUPERIOR LINEN	LEE BALDAUF	253-383-2636	1012 CENTER STREET	TACOMA, WA 98409	FLOW	COMMERCIAL LAUNDRY
TACOMA TRUCK WASH	MUHAMED QATRANI	206-834-5175	1820 PORTLAND AVE	TACOMA, WA 98421	SIU	TRUCK WASH
TARGA SOUND TERMINALS	TROY GOODMAN	253-272-9348	2628 MARINE VIEW DRIVE NORTHEAST	TACOMA, WA 98421	40 CFR PART 437	CENTRALIZED WASTE TREATMENT – OILY WASTE
TOMLINSON LINEN	JOEL MCALLISTER	253-627-1177	2902 SOUTH 12TH STREET	TACOMA, WA 98409	FLOW	COMMERCIAL LAUNDRY
TPU DECANT	MIKE RHUBRIGHT	253-502-8520	3628 S 35TH ST	TACOMA, WA 98409	DESIGNATED SIU	DECANT FACILITY
TRUCK RAIL HANDLING	MIKE MCPHERSON	253-383-1009x105	457 EAST 18TH STREET	TACOMA, WA 98421	DESIGNATED SIU	TRANSLOADING BULK FREIGHT
TWO RAVENS LLC	ED KROUPA	253-327-1730	2502 COMMERCE STREET	TACOMA, WA 98405	40 CFR PART 464	FINE ART INVESTMENT CASTING WITH SURFACE TREATMENT
WCI dba MURREY'S DISPOSAL	JOSH METCALF	253-896-3293	4822 70TH AVENUE EAST	FIFE, WA 98424	DESIGNATED SIU	SOLID WASTE SERVICES
WSDOT/CH2M HILL (LILYBLAD SITE REMEDIATION)	MARIO LOPEZ	425-233-3493	2244 PORT OF TACOMA ROAD	TACOMA, WA 98421	DESIGNATED SIU	GROUNDWATER REMEDIATION SYSTEM

2019 Form 3A
SIUs with Important Information Tabulated

Company Name	NAICS/SIC Codes	Total Water Use GPD	Domestic Discharge GPD	Process Discharge GPD	Wastewater Analyzed	Pretreatment Needed (Y/N)
ORION MARINE CONTRACTORS	237990	475	375	Did not discharge in 2019	YES	YES
PABCO ROOFING PRODUCTS	324122	ZERO DISCHARGE		0 from Categorical Process	YES	NO
PACIFIC CONTAINER CORPORATION	322212	316	259	57	YES	YES
PACIFIC NW TERMINALS	493190	3641	196	3445	Yes	YES
PERFORMANCE RADIATOR	811118	100		0	NO	YES
PETROLEUM RECLAIMING SERVICES	562219	2570	114	6791	YES	YES
PM TESTING	3479			1000	YES	YES
PORT OF TACOMA/MAINTENANCE	4491		968	440	YES	YES
POWDER COATING SYSTEMS	3479	309	171	50	YES	YES
PUGET SOUND ENERGY	4953	0	0	18,680	YES	YES
RAINIER BALLISTICS	332992	ZERO DISCHARGE		0	NO	Closed
SEATAC INFLITE SERVICES (BON AIRE LINEN)	7218	20798	684	18510	YES	YES
SUPERIOR LINEN	7213	59187	3956	52687	YES	YES
TACOMA TRUCK WASH	811192	PENDING	PENDING	6500	YES	YES
TARGA SOUND TERMINALS	424710	8831	515	14105	YES	YES
TOMLINSON LINEN	812331	45003	784	40129	YES	YES
TPU DECANT				Y		
TRUCK RAIL HANDLING	484220/488210	4906	171	329	YES	YES
TWO RAVENS LLC	331525	ZERO DISCHARGE	30	0	NO	YES
WCI dba MURREY'S DISPOSAL	562111	1030	0	1030	YES	YES
WSDOT/CH2M HILL (LILYBLAD SITE REMEDIATION)	541380	1965	0	1965	YES	YES

2019 Form 3B
MIUs with Important Information Tabulated

Company Name	Contact Name	Contact Phone	Address	City/State/Zip	SIC/NAICs codes	Total Water Use
ACTION SERVICES	JAKE KENNEDY	(253) 759-7408	7453 S MADISON ST	TACOMA WA 98409	42469 - Other Chemical and Allied Products Merchant Wholesalers, 561790 - Parking lot cleaning (e.g., power sweeping, washing) services	278.37
ARCLIN	BAHMAN NAHORAY	(253) 225-6556	2144 MILWAUKEE WAY	TACOMA WA 98421	325211 - Acetal resins manufacturing	2150.69
BACCUS DETAILING	KEITH BACCHUS	(253) 680-7143	5601 N 37TH ST CC7	TACOMA WA 98407	811192 - Car Washes	Mobile
BATES ECEAP (SOUTH)	Dee Nelons	(253) 680-7143	2201 S 78TH ST	TACOMA WA 98409	611210 - Schools, junior college vocational	1620.04
BJ'S BREW PUB	MIKE WEST	(253) 620-3067	4502 S STEELE ST 1500	TACOMA WA 98409	312120 - Breweries	6827.46
BLACK FLEET BREWING	Kyle Maxwell	(253) 327-1641	2302 FAWCETT AVE	TACOMA WA 98402	312120 - Breweries	3215.67
BLAST PRESSURE WASH SYSTEMS	Patrick Cookson	(253) 846-8441	PO BOX 4163	SPANAWAY WA 98387	811192 - Automotive washing and polishing	57.29
BRADKEN MACHINE SHOP	Susan Wagner	(253) 475-3464	3611 S WARNER ST	TACOMA WA 98409	332710 - Machine Shops	154.33
BROWN & HALEY	AARON KASIE	(253) 620-3067	110 E 26TH ST	TACOMA WA 98421	311330 - Baking chocolate made from purchased chocolate, 311330 - Chocolate covered candy bars made from purchased chocolate, 311340 - Candy bars, nonchocolate, manufacturing	11554.85
CHIHULY STUDIO	TERRY RISHEL	(253) 383-1213	1401 ST PAUL AVE	TACOMA WA 98421	32721 - Glass and Glass Product Manufacturing	303.16
CITADEL MARINE CENTER	STEVE FRIEDLEY	(253) 627-0704	401 E ALEXANDER AVE	TACOMA WA 98421	81149 - Other Personal and Household Goods Repair and Maintenance	7965.32
DUNAGAN BREWING	JESSE DUNAGAN	(253) 226-9829	1126 COMMERCE ST UNIT 2	TACOMA WA 98402	312120 - Breweries	6711.06
DYSTOPIAN STATE BREWING	Shane McElwrath	(253) 302-3466	611 S BAKER ST	TACOMA WA 98402	312120 - Breweries	6711.06
ENGINE HOUSE NO. 9	JAMES RIVERIA	(253) 272-3435	611 N PINE ST	TACOMA WA 98406	312120 - Breweries	1347.90
EPIC INDUSTRIAL SERVICES	DAVID GREGORY	(253) 230-2440	2434 E 11TH ST	TACOMA WA 98421	561499 - Address bar coding services, 561499 - All Other Business Support Services, 811310 - Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	52.36
FRANCO FISH PRODUCTS INC	FRANK KARWOSKI	(253) 627-1570	2544 FAWCETT AVE	TACOMA WA 98402	311711 - Cannery, fish	34.11
GENERAL PLASTICS MFG CO	MARK RITCHEY	(253) 507-4970	4910 S BURLINGTON WAY	TACOMA WA 98409	326150 - Cushions, carpet and rug, urethane and other foam plastics (except polystyrene), manufacturing	1051.61
GIG HARBOR BREWING COMPANY	John Fosberg	253) 474-0672	3120 SOUTH TACOMA WAY	TACOMA WA 98409	312120 - Breweries	
HARMON PUB & BREWERY	Kirsten Liane	(253) 383-2739	1938 PACIFIC AVE	TACOMA WA 98402	312120 - Breweries, 722110 - Full-Service Restaurants	1663.04
HARMON TAPROOM & BREWERY	Pat Nagle	(253) 212-2725	204 ST HELENS AVE	TACOMA WA 98402	312120 - Ale brewing	1440.65
HUMAN LIFE OF WASHINGTON	Esther Hurni-Ripplinger	(253) 517-7733	5013 PACIFIC HWY E #5	FIFE WA 98424	813319 - Other Social Advocacy Organizations	
INDUSTRIAL RESEARCH PRODUCTS	DAVE HENSLEY	253) 926-1575	2505 FRANK ALBERT RD	FIFE, WA 98424	325611 - Detergents (e.g., dishwashing, industrial, laundry) manufacturing, 325998 - Activated carbon or charcoal manufacturing, 424690 - Detergents merchant wholesalers	

2019 Form 3B
MIUs with Important Information Tabulated

Company Name	Domestic Discharge	Process Discharge	Wastewater Analyzed	Pretreatment Needed (Y/N)	Comments
ACTION SERVICES				N	
ARCLIN				N	Sent on 3/28/18 but it came back with a note giving a new address. Resending to 7623 193rd St Ct E, Spanaway, WA 98387-5062
BACCUS DETAILING				N	Moble buisness no water used from address
BATES ECEAP (SOUTH)				N	
BJ'S BREW PUB				Y	BREW PUB
BLACK FLEET BREWING				Y	Not up and running yet
BLAST PRESSURE WASH SYSTEMS				N	MOBILE WASHER
BRADKEN MACHINE SHOP				N	Machine Shop
BROWN & HALEY				Y	Confectionary
CHIHULY STUDIO				N	Glass and Gla
CITADEL MARINE CENTER				N	
DUNAGAN BREWING				Y	BREW PUB
DYSTOPIAN STATE BREWING				Y	BREW PUB
ENGINE HOUSE NO. 9				Y	BREW PUB
EPIC INDUSTRIAL SERVICES				N	Confirmed Categorization through inspection
FRANCO FISH PRODUCTS INC				Y	Cannery
GENERAL PLASTICS MFG CO				N	BREW PUB
GIG HARBOR BREWING COMPANY				Y	BREW PUB
HARMON PUB & BREWERY				Y	BREW PUB
HARMON TAPROOM & BREWERY				Y	Small batch brewery 40 gallon runs
HUMAN LIFE OF WASHINGTON				N	ZERO DISCHARGE - SUBJECT TO 40 CFR PART 417 SUBPART P; Pending Review
INDUSTRIAL RESEARCH PRODUCTS				N	Detergent mfg

2019 Form 3B
MIUs with Important Information Tabulated

Company Name	Contact Name	Contact Phone	Address	City/State/Zip	SIC/NAICs codes	Total Water Use
JANKY OX BREWING PROJECT	JAY AND SHAWN		3715 S 7TH ST	TACOMA WA 98405	312120 - Breweries	
MCFARLAND CASCADE POLE & LUMBER CO	EDWARD SMITH	http://www.jankyox.com	1640 MARC AVE	TACOMA WA 98421	32111 - Sawmills and Wood Preservation	13703.14
MILGARD MANUFACTURING - PULTRUSION DIVISION	DAVE BUFFELEN	(253) 330-0350	2935 70TH AVE E	FIFE WA 98424	326199 - All Other Plastics Product Manufacturing	
MISSION FOODS - GRUMA CORPORATION	JAVIER BAIRES	(253) 922-6572	6611 VALLEY AVE E	FIFE WA 98424	311830 - Tortillas manufacturing	
MULTICARE TACOMA GENERAL / MARY BRIDGE HOSPITAL	TERESA BAUMGARTEN	(253) 459-7300	315 MARTIN LUTHER KING JR WAY	TACOMA WA 98405	622 - Hospitals	1115.19
MULTIMODAL ENGINEERING	Darryl Caretti	(425) 508-2933	1101 PORT OF TACOMA RD	TACOMA WA 98421	488320 - Loading and unloading services at ports and harbors	
NARROWS BREWING COMPANY	Scitt Wagner	(253) 327-1400	9007 S 19TH ST #200	TACOMA WA 98465	312120 - Ale brewing	1340.88
NORTHERN FISH COMPANY, INC	DAN OWEN	(253) 475-3858	3911 S 56TH ST	TACOMA WA 98409	311712 - Chowders, frozen fish and seafood, manufacturing, 311712 - Fresh and Frozen Seafood Processing	13408.13
ODD OTTER BREWING COMPANY	JOHN HOTCHKISS	(253) 209-7064	716 PACIFIC AVE	TACOMA WA 98402	312120 - Ale brewing, 312120 - Beer brewing	3203.21
OLD SOLDIER DISTILLERY	ANDREW FAIRCHOK	(253) 223-4306	309 PUYALLUP AVE	TACOMA WA 98421	312140 - Distilling alcoholic beverages (except brandy)	214.36
PACIFIC BREWING & MALTING CO	STEVE NAVARRO	(253) 383-2337	610 PACIFIC AVE	TACOMA WA 98402	312120 - Breweries	3929.14
PALMERSTON CELLARS	Geoff Shurtleff	253-237-4661	1114 N VERDE ST	TACOMA WA 98406	312130 - Wineries	167.48
PEPSI BOTTLING GROUP	MIKE SOUTHARD	(253) 207-6001	3101 S PINE ST	TACOMA WA 98409	312111 - Artificially carbonated waters manufacturing, 312111 - Soft Drink Manufacturing	545.61

2019 Form 3B
MIUs with Important Information Tabulated

Company Name	Domestic Discharge	Process Discharge	Wastewater Analyzed	Pretreatment Needed (Y/N)	Comments
JANKY OX BREWING PROJECT				Y	BREW PUB
MCFARLAND CASCADE POLE & LUMBER CO				N	Saw mill
MILGARD MANUFACTURING - PULTRUSION DIVISION				N	Vinal Window Mfg
MISSION FOODS - GRUMA CORPORATION				Y	Food Production
MULTICARE TACOMA GENERAL / MARY BRIDGE HOSPITAL				Y	Hospital
MULTIMODAL ENGINEERING				N	
NARROWS BREWING COMPANY				Y	BREW PUB
NORTHERN FISH COMPANY, INC				Y	Fish Processor
ODD OTTER BREWING COMPANY				Y	BREW PUB
OLD SOLDIER DISTILLERY				Y	Distillery
PACIFIC BREWING & MALTING CO				Y	BREW PUB
PALMERSTON CELLARS				Y	Winery
PEPSI BOTTLING GROUP				N	Bottling

2019 Form 3B
MIUs with Important Information Tabulated

Company Name	Contact Name	Contact Phone	Address	City/State/Zip	SIC/NAICs codes	Total Water Use
PEXCO	PETER SPEAR	(253) 284-8000	3110 70TH AVE E	FIFE WA 98424	326199 - All Other Plastics Product Manufacturing	
RAIN TECH INCUBATOR (THE WEDGE)	DANE JENSEN	(253) 693-8238	2304 JEFFERSON AVE	TACOMA WA 98402	541711 - Biotechnology research and development laboratories or services	97.00
RAM BREWERY	STEVE KIRVEN	(253) 756-7886	5001 S WASHINGTON ST	TACOMA WA 98409	312120 - Ale brewing	597.73
RAM RESTAURANT & BREWERY	MIKE FRANCIS	(253) 756-7886	3001 RUSTON WAY	TACOMA WA 98402	722110 - Full-Service Restaurants	2282.69
SEVEN SEAS BREWERY	MIKE RUNION	(253) 572-7770	2101 JEFFERSON AVE	TACOMA WA 98402	312120 - Beer brewing, 32721 - Glass and Glass Product Manufacturing	
SPECTRA LABORATORIES	LORI HAMILTON	(253) 272-4850	2221 ROSS WAY	TACOMA WA 98421	541380 - Acoustics testing laboratories or services	283.58
STERLING REFERENCE LAB	Jeff Meacham	(253) 552-1551	2617 E L ST	TACOMA WA 98421	541380 - Testing Laboratories	2592.28
SUPERIOR WASH	BRETT RYAN	(877) 794-9274	3260 B St NW STE A	Auburn WA 98001	811192 - Mobile car and truck washes	
TACOMA BREWING CO.	MORGAN ALEXANDER	(253) 242-3370	1116 COURT E	TACOMA WA 98402	312120 - Breweries	249.08
U.S. OIL & REFINING CO.	ROBERT REDD	(253) 383-1651	3001 MARSHALL AVE	TACOMA WA 98421	324110 - Acid oils made in petroleum refineries, 324110 - Crude oil refining, 324110 - Oil (i.e., petroleum) refineries	432011.58
URBAN ACCESSORIES INC	DAN JONES	(253) 572-1112	465 E 15TH ST	TACOMA WA 98421	331422 - Aircraft and automotive wire or cable made from purchased copper in wire drawing plants	
VIGOR MARINE	GORDON ERICKSON	(253) 627-9136	313 E F ST	TACOMA WA 98421	33661 - Ship and Boat Building, 336611 - Barge building	455.81
WESTROCK	KARL SCHUMACHER	(253) 572-2150	801 E PORTLAND AVE	TACOMA WA 98421	322219 - MANUFACTURING OF PAPER AND PACKAGING PRODUCTS	
WINGMAN BREWERS	KEN THOBURN	(253) 256-5240	509 PUYALLUP AVE 1/2	TACOMA WA 98421	312120 - Beer brewing	
XPO LOGISTICS FREIGHT, INC.	MARK MCCOY	(253) 926-2251	7211 28TH ST E	FIFE WA 98424	493120 - Bonded warehousing, refrigerated	
INDUSTRIAL RESEARCH PRODUCTS	DAVE HENSLEY	253.926.1575	2505 FRANK ALBERT RD	FIFE, WA 98424	325611 - Detergents (e.g., dishwashing, industrial, laundry) manufacturing	
SEVEN SEAS BREWERY	MIKE RUNION	253-686-3703	2101 JEFFERSON AVE	TACOMA, WA 98402	312120 - Beer brewing	
Tool Gauge	Jim Lee	253-473-2740	4315 S Adams St	TACOMA, WA 98409	-	
University of Puget Sound	Andrew	253-879-3217	1500 WARNER Road	TACOMA, 98416	611310 - Colleges, Universities	
BHS SPECIALTY CHEMICALS	THOMAS FRASER	208-740-9369	2001 THORNE ROAD EAST	TACOMA, WA 98421	325181	
MILGARD VINYL EXTRUSION	DAVE BUFFELEN	253-330-0350	1001 54TH AVE E	FIFE, WA 98424	326199 - All Other Plastics Manufacturing	

2019 Form 3B
MIUs with Important Information Tabulated

Company Name	Domestic Discharge	Process Discharge	Wastewater Analyzed	Pretreatment Needed (Y/N)	Comments
PEXCO				N	
RAIN TECH INCUBATOR (THE WEDGE)				N	Incubator
RAM BREWERY				Y	BREW PUB
RAM RESTAURANT & BREWERY				Y	BREW PUB
SEVEN SEAS BREWERY				Y	BREW PUB
SPECTRA LABORATORIES				N	Analytical lab
STERLING REFERENCE LAB				N	Toxicology lab
SUPERIOR WASH				Y	Mobil Wash
TACOMA BREWING CO.				Y	6/22/2016 Uploaded 2nd notice letter.
U.S. OIL & REFINING CO.				Y	Received short form 12/12/14 - Cast iron products
URBAN ACCESSORIES INC				N	Cast parts, steel, aluminum and brass
VIGOR MARINE				N	Ship Repair
WESTROCK				Y	Paper Board
WINGMAN BREWERS				Y	BREW PUB
XPO LOGISTICS FREIGHT, INC.				N	mobile washer outside of Tacoma. No survey
INDUSTRIAL RESEARCH PRODUCTS				N	Soap Blending
SEVEN SEAS BREWERY				N	
Tool Gauge				N	
University of Puget Sound				N	
BHS SPECIALTY CHEMICALS				Y	
MILGARD VINYL EXTRUSION				N	

2019 Form 3C
Industrial Users Eliminated from Survey Efforts

Company Name and Address	Contact Name and Address	Business Type	NAICS	Uncontaminated Consumption (Irrigation water)	Billed Consumption Sewer	Domestic	Total Water Consumption	Comments
EMERALD QUEEN CASINO	JOSHUA STANLEY, MANAGER (253) 692-4382	CASINO & RESTAURANT	721120	460	67,234.51	1,083,112	67,694.51	No process wastewater discharged.
GENERAL METALS OF TACOMA INC	253-572-4000	Metal recycler	33232	125	44,647.46	1,343,174	44,772.46	Direct Discharger.
GEORGIA PACIFIC GYPSUM CORP	DON JORDON, OWNER (253) 627-2100 X 111811	GYPSUM PRODUCTS MANUFACTURING	327420		69,896.97	3,914,230	69,896.97	No process water discharged. Domestic waste only.
JAMES HARDIE BLDG PRODUCTS INC	253-847-8700	fiber-cement building materials	327310	119007	242.05	1,788,736	119,249.05	No process water discharged. Domestic waste only.
JAMES HARDIE BLDG PRODUCTS INC	253-847-8700	fiber-cement building materials	327310	98954	284.38	2,977,151	99,238.38	No process water discharged. Domestic waste only.
METRO PARKS DISTRICT	WAYNE WILLIAMS, BUSINESS & OPERATIONS DIRECTOR (253) 305-1091	NATURE PARKS & OPEN SPACE	712190	1436450	409.38	159651.042	1,436,859.38	Point Defiance Park - mainly irrigation water.
MULTICARE HEALTH SYSTEMS	Paul Prokovich 253-403-1254	Medical offices			33,528.93	301,760	33528.93378	No process wastewater discharged.
PIERCE COUNTY FACILITIES MANAGEMENT	ROBERT CARR, MAINTENANCE & OPERATIONS DIVISION MANAGER (253) 798-7223	JAIL	92214		45,510.65	819,192	45,510.65	No process wastewater discharged.
ST JOSEPH MEDICAL CENTER	MIKE ANDERSON, FACILITY MANAGER (253) 426-6929	HOSPITAL	622110		25,151.69	100,607	25151.687	No process wastewater discharged.
TACOMA SCHOOL DISTRICT	Don Woods 253-571-1000	Public School	611110	650	40,562.56	41,213	40,562.56	No process wastewater discharged.
TACOMA SCHOOL DISTRICT	Don Woods 253-571-1000	Public School	611110		28,945.85	839,430	28945.84607	No process wastewater discharged.
UNIVERSITY OF PUGET SOUND	Jay Becker 253-879-3232	University	611310		33,978.84	271,831	33,979	No process wastewater discharged.
US OIL & REFINING	Ty Gaub 253-383-1651	Petroleum Refining	324110	125	431,886.58	11,664,313	432,011.58	Small quantity of domestic waste only.

2019 Form 3d

PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SURVEY SENT	DATE SURVEY RETURNED	DATE RESUBMITTAL REQUESTED	COMPLETED SURVEY OBTAINED	COMMENTS
Dental Facility	AFFORDABLE DENTAL CARE	3402 S 18TH ST	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/28/2015	1/13/2016		1/19/2016	
Dental Facility	AJEY VARMA DDS PLLC	2302 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Permit Application	12/24/2015	12/28/2015		1/28/2016	
Dental Facility	ALAN ALTMAN DDS PC	2302 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/13/2016		1/19/2016	
Dental Facility	ALYCE O'BRIEN DDS AND JACK BATJER DDS PLLC	1919 N PEARL ST A1	TACOMA WA 98406	621210 - Offices of Dentists	Short Form	12/24/2015	1/8/2016		1/11/2016	
Dental Facility	ANZI DENTAL CENTER LLC	3711 PACIFIC AVE	TACOMA WA 98418		Short Form	12/28/2015			3/31/2016	
Dental Facility	BAHIA & BAHIA DMD PS	1019 DIVISION AVE	TACOMA WA 98403		Short Form	10/25/2016	11/28/2016		11/29/2016	
Dental Facility	BRIAN M BERG DDS PS	1901 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/13/2016		1/19/2016	
Dental Facility	BRIAN SIMPSON DDS PS	1901 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	2/18/2016		3/3/2016	
Dental Facility	BROOK'S DENTAL STUDIO	732 BROADWAY 101	TACOMA WA 98402	62121 - Offices of Dentists	Short Form	12/28/2015	1/27/2016		6/1/2016	
Dental Facility	CEDAR DENTAL CARE	1901 S CEDAR ST 106	TACOMA WA 98405	62121 - Offices of Dentists	Short Form	12/24/2015	1/14/2016		1/19/2016	
Dental Facility	CHARLES CROASDILL DMD PLLC	2520 N ALDER ST	TACOMA WA 98406		Short Form	12/28/2015	1/6/2016		1/7/2016	
Dental Facility	COOK PEDIATRIC DENTISTRY	1901 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/27/2016		1/28/2016	
Dental Facility	DAVID E HANSEN ESTHETIC AND FAMILY DENTISTRY	3515 S 15TH ST 201	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/28/2015		3/31/2016	4/19/2016	
Dental Facility	DONALD E HEARON DDS PS	1901 S WASHINGTON ST	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/14/2016		1/15/2016	
Dental Facility	DONNA L DAESCHNER DDS	4001 YAKIMA AVE	TACOMA WA 98418	621210 - Offices of Dentists	Short Form	12/28/2015	1/13/2016		1/19/2016	
Dental Facility	DOUGLAS J KNIGHT DDS MSD	1950 S CEDAR ST	TACOMA WA 98405	62121 - Offices of Dentists	Short Form	12/24/2015	1/5/2016		1/7/2016	
Dental Facility	EVERLAST DENTAL CLINIC	1212 S 11TH ST 28	TACOMA WA 98405	62121 - Offices of Dentists	Short Form	12/24/2015			2/1/2016	
Dental Facility	GREGORY J PLNCCH DDS INC	2312 N 30TH ST	TACOMA WA 98403	62121 - Offices of Dentists	Short Form	12/28/2015	1/14/2016		1/25/2016	
Dental Facility	JACK R WINTERS DDS	2102 N PEARL ST 206	TACOMA WA 98406	621210 - Offices of Dentists	Short Form	12/24/2015	1/8/2016		1/8/2016	
Dental Facility	KARBAKHSCH PERIODONTCS&IMPLNTS PLLC	2302 S UNION AVE	TACOMA WA 98405		Short Form	12/24/2015	1/13/2016		6/27/2016	
Dental Facility	L STEVE TULEY DDS PS	2520 N ALDER ST	TACOMA WA 98406	621210 - Offices of Dentists	Short Form	12/28/2015	1/7/2016		1/8/2016	
Dental Facility	MEGAN R MILLER DDS	2312 N 30TH ST	TACOMA WA 98403	621210 - Offices of Dentists	Short Form	1/7/2016	1/5/2016		1/8/2016	
Dental Facility	MICHAEL J GIESY DMD PLLC	6004 WESTGATE BLVD	TACOMA WA 98406	62121 - Offices of Dentists	Short Form	12/28/2015			2/1/2016	
Dental Facility	NICHOLAS C TENNISON DDS	1901 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/8/2016		3/9/2016	
Dental Facility	NORTHWEST DENTAL SERVICES	725 ST HELENS AVE	TACOMA WA 98402	621210 - Offices of Dentists	Short Form	12/28/2015			3/14/2016	
Dental Facility	OPUS ELEVEN LLC DDS	4050 S 19TH ST	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	9/10/2018				
Dental Facility	ORAL HEALTH SPECIALISTS	4050 S 19TH ST	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/28/2015	7/25/2016	3/31/2016	7/26/2016	
Dental Facility	ORAL SURGICAL ASSOCIATES	1950 S CEDAR ST	TACOMA WA 98405		Short Form	12/24/2015	1/14/2016		1/14/2016	
Dental Facility	PEAK DENTAL	3602 6TH AVE	TACOMA WA 98406	621210 - Offices of Dentists	Short Form	12/28/2015	1/7/2016		2/9/2016	
Dental Facility	PEARL STREET FAMILY DENTISTRY	2102 N PEARL ST 202	TACOMA WA 98406	621210 - Offices of Dentists	Short Form	12/24/2015	2/1/2016		2/2/2016	
Dental Facility	PEARLY WHITES	4041 RUSTON WAY 103	TACOMA WA 98407	621210 - Offices of Dentists	Short Form	12/28/2015	5/2/2016	4/20/2016	5/9/2016	
Dental Facility	PEDIATRIC DENTAL CARE CENTER	WAY	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/29/2015	2/1/2016		3/3/2016	
Dental Facility	PLA ENDODONICS	2302 S UNION AVE	TACOMA WA 98405		Short Form	12/24/2015	1/27/2016		2/3/2016	
Dental Facility	PROCTOR FAMILY DENTISTRY	2614 N ADAMS ST	TACOMA WA 98407	621210 - Offices of Dentists	Short Form	12/28/2015			3/8/2016	
Dental Facility	PUGET SOUND DENTURES	601 N PUGET SOUND AVE	TACOMA WA 98406	62121 - Offices of Dentists	Short Form	6/26/2018	10/10/2018	8/30/2018	10/10/2018	
Dental Facility	RONALD H KURITANI DDS	2215 N 30TH ST 102	TACOMA WA 98403	621210 - Offices of Dentists	Short Form	12/24/2015	1/5/2016		1/21/2016	
Dental Facility	SEDATION DENTISTRY - BRANT POWELL DDS PLLC	1901 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/6/2016		1/6/2016	
Dental Facility	SMART KOKICH AND QUINN ORTHODONTICS	2302 S UNION AVE	TACOMA WA 98405	621210 - Orthodontists' offices (e.g., centers, clinics)	Short Form	12/24/2015	1/13/2016		2/2/2016	
Dental Facility	SMILES 4 KIDS - ALLENMOORE	1901 S UNION AVE	TACOMA WA 98405		Short Form	12/4/2016	12/19/2016		12/21/2016	
Dental Facility	SONIA PAL DMD PS	2302 S UNION AVE A2	TACOMA WA 98405	621210 - Dentists' offices (e.g., centers, clinics)	Short Form	11/24/2016	12/21/2016		12/21/2016	
Dental Facility	SUNRISE DENTAL OF TACOMA	1530 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	6/15/2016	6/10/2016	6/22/2016	
Dental Facility	TACOMA DENTAL GROUP	2302 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/5/2016		1/7/2016	
Dental Facility	TACOMA ENDODONTIC STUDIO	1550 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/5/2016		1/6/2016	
Dental Facility	TACOMA MDCL CNTR DNTSTRY	WAY	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	6/2/2017	6/9/2017		6/19/2017	
Dental Facility	TACOMA ORAL SURGERY AND IMPLANTS	1550 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/13/2016		7/7/2016	
Dental Facility	TACOMA ORTHODONICS CENTER INC.	2302 S UNION AVE	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/13/2016		3/9/2016	
Dental Facility	THAI AND AUDREY NGUYEN DENTAL	1212 S 11TH ST 20	TACOMA WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/14/2016		3/9/2016	
Dental Facility	WESTGATE DENTAL ARTS INC	1919 N PEARL ST A5	TACOMA WA 98406	621210 - Offices of Dentists	Short Form	12/24/2015	1/28/2016		3/3/2016	
Dental Facility	XTRACARE DENTAL	2617 6TH AVE	TACOMA WA 98406	621210 - Offices of Dentists	Short Form	5/2/2017	7/17/2017		7/17/2017	
Dental Facility	AFFORDABLE DENTURES TACOMA	3801 S STEELE ST	TACOMA, WA 98408	621210 - Offices of Dentists	Short Form	12/28/2015	6/27/2016		9/22/2016	

2019 Form 3d

PRETREATMENT CATEGORY	COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE	SURVEY TYPE	DATE SURVEY SENT	DATE SURVEY RETURNED	DATE RESUBMITTAL REQUESTED	COMPLETED SURVEY OBTAINED	COMMENTS
Dental Facility	ALBERT R BIRD DDS PS	4707 S JUNETT ST	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	1/14/2016		1/15/2016	
Dental Facility	ANDREW WIGHTMAN	6050 TACOMA MALL BLVD 330	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	2/16/2016		3/3/2016	
Dental Facility	BAER AND SMITH FAMILY DENTAL	1628 S MILDRED ST 206	TACOMA, WA 98465	621210 - Offices of Dentists	Short Form	12/24/2015	3/14/2016		3/14/2016	
Dental Facility	BRIGHT NOW DENTAL	4545 S UNION AVE	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	5/5/2016		5/27/2016	
Dental Facility	BRIGHT NOW DENTAL 4027	4027 TACOMA MALL BLVD M	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	5/21/2018	5/21/2018		5/21/2018	
Dental Facility	BRIGHT SMILE DENTAL	15 OREGON AVE	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/24/2015	3/14/2016		5/9/2016	
Dental Facility	CHARLES KIM DENTISTRY	1102 BROADWAY	TACOMA, WA 98402	621210 - Offices of Dentists	Short Form	10/3/2018	10/3/2018		10/3/2018	
Dental Facility	CLARK DENTAL GROUP	3402 S 38TH ST	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	1/14/2016		1/15/2016	
Dental Facility	COOK PEDIATRIC DENTISTRY	1901 S UNION AVE	TACOMA, WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/27/2016		1/28/2016	
Dental Facility	DAVID R HANNULA DDS	4146 6TH AVE	TACOMA, WA 98406	621210 - Offices of Dentists	Short Form	12/28/2015	1/12/2016		1/25/2016	
Dental Facility	DENTAL VILLAGE	4218 S STEELE ST	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	3/29/2016		4/21/2016	
Dental Facility	DISTINCTIVE DENTISTRY	5615 VALLEY AVE E,	TACOMA, WA 98424	621210 - Offices of Dentists	Short Form	3/30/2018	8/22/2018		8/22/2018	
Dental Facility	DOWN TO EARTH DENTAL- EAST TACOMA	7808 PACIFIC AVE 5,	TACOMA, WA 98408	621210 - Offices of Dentists	Short Form	12/28/2015	1/8/2016		3/14/2016	
Dental Facility	DUKE N. DUI FAMILY DENTISTRY	5631 TACOMA MALL BLVD	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	2/5/2016		3/3/2016	
Dental Facility	EMERGENCY DENTAL CARE USA	4218 S STEELE ST	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	3/30/2016		4/8/2016	
Dental Facility	EVERGREEN DENTAL CENTER - STEVEN P MARINKOVICH	104	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	2/5/2016		2/8/2016	
Dental Facility	FME FAMILY DENTAL	6104 20TH ST E,	TACOMA, WA 98424	621210 - Offices of Dentists	Short Form	12/28/2015	11/12/2016		11/14/2016	
Dental Facility	GRANT DENTURE CLINIC	2902 S 74TH ST	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/20/2016	12/29/2016		1/4/2017	
Dental Facility	JC DENTAL LABORATORY	2720 70TH AVE E	FIFE, WA 98424	621210 - Offices of Dentists	Short Form	6/5/2017	6/16/2017		6/22/2017	
Dental Facility	KEVIN XU DDS MS PS INC	5038 TACOMA MALL BLVD,	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	1/14/2016		1/15/2016	
Dental Facility	KIDS DENTAL	5401 6TH AVE 201	TACOMA, WA 98406	621210 - Offices of Dentists	Short Form	12/28/2015	1/13/2016		3/14/2016	
Dental Facility	LINDQUIST DENTAL CLINIC FOR CHLDRN	3875 S 66TH ST	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	4/15/2016		4/15/2016	
Dental Facility	MARK KADOSHIMA DDS PS	4835 PACIFIC AVE	TACOMA, WA 98408	621210 - Offices of Dentists	Short Form	12/28/2015	1/8/2016		1/11/2016	
Dental Facility	MARK SANDBERG DDS PLLC	2702 S 42ND ST,	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	6/28/2016	7/7/2016		10/27/2016	
Dental Facility	MICHAEL S ADAMS	2302 S UNION AVE,	TACOMA, WA, 98405	621210 - Offices of Dentists	Short Form	6/13/2016	9/13/2016		6/13/2016	
Dental Facility	RAINIER DENTAL - TACOMA	5003 TACOMA MALL BLVD 103,	TACOMA, WA, 98409	621210 - Offices of Dentists	Short Form	3/22/2016	5/19/2016		5/23/2016	
Dental Facility	SMILES BY DRAKE-0067	4301 S PINE ST	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	1/13/2016		2/29/2016	
Dental Facility	SOUND ORAL & MAXILLOFACIAL SURGERY	1628 S MILDRED ST 210,	TACOMA, WA 98465	621210 - Offices of Dentists	Short Form	3/29/2018	4/12/2018		4/13/2018	
Dental Facility	SOUND SMILES PEDIATRIC DENTISTRY	1628 S MILDRED ST 201,	TACOMA, WA 98465	621210 - Offices of Dentists	Short Form	12/24/2015	2/1/2016		3/3/2016	
Dental Facility	SOUND SURGICAL ARTS	1628 S MILDRED ST 201,	TACOMA, WA 98465	621210 - Offices of Dentists	Short Form	12/24/2015	12/22/2016		12/29/2016	
Dental Facility	SOUTH SOUND DENTAL CARE	2115 S 56TH ST 202,	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/24/2015	1/12/2016		3/8/2016	
Dental Facility	STADIUM DENTAL	2 N TACOMA AVE	TACOMA, WA 98403	621210 - Offices of Dentists	Short Form	12/24/2015	4/2/2016		5/17/2016	
Dental Facility	SUNRISE DENTAL OF TACOMA	1530 S UNION AVE	TACOMA, WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	6/15/2016		6/22/2016	
Dental Facility	TACOMA ORAL SURGERY AND IMPLANTS	1550 S UNION AVE,	TACOMA, WA 98405	621210 - Offices of Dentists	Short Form	12/24/2015	1/13/2016		7/7/2016	
Dental Facility	TACOMA DENTAL AND IMPLANT CENTER	4704 S OAKES ST	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	1/13/2016		3/9/2016	
Dental Facility	TACOMA DENTURE CLINIC	3712 S CEDAR ST,	TACOMA, WA 98409	621210 - Offices of Dentists	Short Form	12/28/2015	1/8/2016		1/11/2016	
Dental Facility	TRANQUILITY DENTAL	5005 MAIN ST 107	TACOMA, WA 98407	621210 - Offices of Dentists	Short Form	3/21/2016	7/19/2016		7/19/2016	
Dental Facility	UNIVERSITY DENTAL CARE	1622 S MILDRED ST	TACOMA, WA 98465	621210 - Offices of Dentists	Short Form	6/20/2016	6/20/2016		6/20/2016	
Dental Facility	VALENTINE DENTISTRY	220 S 38TH ST,	TACOMA, WA 98418	621210 - Offices of Dentists	Short Form	12/24/2015	1/14/2016		1/14/2016	

2019 Form 3F
Food Service Establishments

COMPANY NAME	ADDRESS	CITY STATE ZIP	NAICS OR SIC CODES BUSINESS TYPE
WOK & TERIYAKI HOUSE	3202 S 23RD ST # F7	TACOMA WA 98405	722211 - Limited-Service Restaurants
WOK INN	7042 PACIFIC AVE	TACOMA WA 98408	722211 - Limited-Service Restaurants
WOK INN PHO TERIYAKI	5604 E PORTLAND AVE B	TACOMA WA 98404	72211 - Full-Service Restaurants
WOK TERIYAKI IX	2941 S 38TH ST A2	TACOMA WA 98409	722211 - Limited-Service Restaurants
WOK V TERIYAKI-HGI	1816 S MILDRED ST F	TACOMA WA 98465	722110 - Full-Service Restaurants
WOODEN CITY	714 PACIFIC AVE	TACOMA WA 98402	72211 - Full-Service Restaurants
WYNWOOD OF ALLENMORE	3615 S 23RD ST	TACOMA WA 98405	622110 - Hospital
X GROUP MOBILE FOOD COMMAND CENTER	2811 6TH AVE	TACOMA WA 98406	813110 - Religious Organizations
YMCA (TACOMA CENTER)	1144 MARKET ST	TACOMA WA 98402	722211 - Limited-Service Restaurants
YOUNG'S GOOFY GOOSE	3702 6TH AVE	TACOMA WA 98406	722211 - Limited-Service Restaurants
YOUNG'S QUICK STOP #3	6440 S TYLER ST	TACOMA WA 98409	722211 - Limited-Service Restaurants
YULIANA	6956 S STEVENS ST	TACOMA WA 98409	722211 - Limited-Service Restaurants
YUMMIES DONUTS CAKE/ICE CREAM	8042 PACIFIC AVE	TACOMA WA 98408	722213 Snack and Nonalcoholic Beverage Bars
YU'S TERIYAKI WOK	322 TACOMA AVE S	TACOMA WA 98402	722211 - Limited-Service Restaurants
ZEEK'S PIZZA	1702 PACIFIC AVE	TACOMA WA 98402	72211 - Full-Service Restaurants
ZENFULLY SWEET	1040 S GEIGER ST	TACOMA WA 98465	311821 - Cookie and Cracker Manufacturing
ZIP MART	522 S 38TH ST	TACOMA WA 98418	722211 - Limited-Service Restaurants
ZOCALO	701 S 38TH ST	TACOMA WA 98418	72211 - Full-Service Restaurants
ZODIAC SUPPER CLUB	1116 MARTIN LUTHER KING JR WAY	TACOMA WA 98405	722410 Drinking Places

APPENDIX C
INDUSTRIAL USER SAMPLING RESULTS AND
COMPLIANCE SUMMARY

Table C-1A Bradken - Atlas New
Radiography 2019 Compliance Comparison

Category	Parameter	Unit	Daily Limit	Limit	February
					2/27/2019
					2104
					SMR
Flow, pH, and Temperature	pH	pH Units	5.5 - 11		
	Flow	Gallons			350
	Temperature	°F	100		
Conventionals	Cyanide, Total	mg/L	0.64		
Metals	Arsenic	mg/L	0.1		
	Cadmium	mg/L	0.25		
	Chromium	mg/L	1		
	Chromium, hexavalent	mg/L	0.25		
	Copper	mg/L	1		
	Lead	mg/L	0.4		
	Mercury	mg/L	0.05		
	Molybdenum	mg/L	1		
	Nickel	mg/L	1		
	Selenium	mg/L	0.1		
	Silver	mg/L	0.2		0.007 U
Zinc	mg/L	2			
TPH	SGT-HEM	mg/L	50		

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UJ - Analyte not detected at or above the associated estimated value.

J - The result is an estimated concentration.

Table C-1B Bradken-Atlas (old)
2019 Compliance Comparison

NO DISCHARGE IN 2019

Table C-2A Burlington Subpart A Contaminated Stormwater
2019 Compliance Comparison

					May	September		October				
					5/1/2019	9/23/2019	9/24/2019	10/2/2019	10/23/2019	10/28/2019	10/29/2019	10/31/2019
					3719	3724	3724	3026	3724	3724	3991	3725
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	Sample	SMR
Flow, pH, and Temperature	Flow	Gallon			17466	16606	18206		14496	21236		17,204
	pH	pH Units	5.5 - 11		6.94	8.09	7.70	7.26	9.63	5.62	8.38	10.89
	Temperature	°F	100					57.7			50.7	
BTEX	Benzene	mg/L						0.0022 U			0.0022	
	Ethylbenzene	mg/L						0.0032 U			0.0032 U	
	m,p-Xylene	mg/L						0.0084 U			0.0084 U	
	o-Xylene	mg/L						0.0026 U			0.0026 U	
	Toluene	mg/L						0.0054 U			0.0079	
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.06	0.151	0.06	0.01 U	0.199	0.01 U
HPAHs	Benzo(a)anthracene	mg/L						0.0011 U			0.0011 U	
	Benzo(a)pyrene	mg/L						0.0015 U			0.0015 U	
	Benzo(b,k)fluoranthene	mg/L						0.0023 U			0.0022 U	
	Benzo(g,h,i)perylene	mg/L						0.0014 U			0.0014 U	
	Chrysene	mg/L						0.0011 U			0.0011 U	
	Dibenz(a,h)anthracene	mg/L						0.0017 U			0.0016 U	
	Fluoranthene	mg/L						0.0008 U			0.0007 U	
	Indeno(1,2,3-cd)pyrene	mg/L						0.0015 U			0.0015 U	
	Pyrene	mg/L						0.0013 U			0.0013 U	
LPAHs	Acenaphthene	mg/L						0.0012 U			0.0012 U	
	Acenaphthylene	mg/L						0.0012 U			0.0012 U	
	Anthracene	mg/L						0.0011 U			0.001 U	
	Fluorene	mg/L						0.0013 U			0.0013 U	
	Naphthalene	mg/L						0.0012 U			0.0012 U	
	Phenanthrene	mg/L						0.0011 U			0.001 U	
Metals	Antimony	mg/L		.206	0.025 U	0.025 U	0.025 U	0.00331	0.025 U	0.025 U	0.000450	0.025 U
	Arsenic	mg/L	0.1	0.104	0.025 U	0.025 U	0.025 U	0.00368	0.025 U	0.025 U	0.00156	0.025 U
	Barium	mg/L						0.00868				
	Beryllium	mg/L						0.000103 U			0.000103 U	
	Cadmium	mg/L	.25	.0962	0.003 U	0.016	0.017	0.0109	0.003 U	0.005	0.000121 U	0.003 U
	Chromium	mg/L	1.0	3.07	0.026	0.018	0.044	0.0221	0.007 U	0.008	0.0023 U	0.007 U
	Cobalt	mg/L		.124	0.005 U	0.011	0.005 U	0.00763	0.005 U	0.006	0.00127	0.005 U
	Copper	mg/L	1.0	1.06	0.006 U	0.011	0.023	0.00630	0.019	0.006 U	0.00210	0.006 U

Table C-2A Burlington Subpart A Contaminated Stormwater
2019 Compliance Comparison

					May	September		October				
					5/1/2019	9/23/2019	9/24/2019	10/2/2019	10/23/2019	10/28/2019	10/29/2019	10/31/2019
					3719	3724	3724	3026	3724	3724	3991	3725
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	Sample	SMR
Metals	Lead	mg/L	0.4	.283	0.025 U	0.025 U	0.025 U	0.00668	0.025 U	0.025 U	0.000104 U	0.025 U
	Mercury	mg/L	0.05	0.000739	0.0005 U	0.0005 U	0.0005 U	2.1E-05 U	0.0005 U	0.0005 U	2.1E-05 U	0.0005 U
	Molybdenum	mg/L	1.0		0.175	0.296	0.059	0.357	0.204	0.063	0.227	0.078
	Nickel	mg/L	1.0	1.45	0.015 U	0.392	0.067	0.488	0.041	0.015 U	0.0523	0.015 U
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.00145	0.025 U	0.025 U	0.000126 U	0.025 U
	Silver	mg/L	0.2	.0351	0.007 U	0.007 U	0.007 U	0.000158 U	0.007 U	0.007 U	0.000158 U	0.007 U
	Thallium	mg/L						0.00025 U				
	Tin	mg/L		.120	0.025 U	0.025 U	0.025 U	0.00545 U	0.025 U	0.025 U	0.00545 U	0.025 U
	Titanium	mg/L		.0618	0.005 U	0.011	0.053	0.00183 U	0.011	0.005 U	0.00183 U	0.005 U
	Vanadium	mg/L		.0662	0.015 U	0.015 U	0.005 U	0.00711	0.015 U	0.015 U	0.000166 U	0.015 U
Zinc	mg/L	2.0	.641	0.006 U	0.249	0.241	0.590	0.037	0.522	0.0554	0.006 U	
PCBs	Aroclor-1016	mg/L						ND J			9E-06 U	
	Aroclor-1221	mg/L						ND J			3.6E-05 U	
	Aroclor-1232	mg/L						ND J			9E-06 U	
	Aroclor-1242	mg/L						ND J			9E-06 U	
	Aroclor-1248	mg/L						9E-06 U			9E-06 U	
	Aroclor-1254	mg/L						2.3E-05 U			2.3E-05 U	
	Aroclor-1260	mg/L						2.3E-05 U			2.3E-05 U	
Phenols	Pentachlorophenol	mg/L						0.0076 U			0.0074 U	
	Phenol	mg/L						0.020			0.017	
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L						0.0012 U			0.0012 U	
	Butyl benzyl phthalate	mg/L						0.0016 U			0.0015 U	
	Diethyl phthalate	mg/L						0.0023 U			0.0023 U	
	Dimethyl phthalate	mg/L						0.0011 U			0.001 U	
	Di-n-butyl phthalate	mg/L						0.0023 U			0.0022 U	
	Di-n-octyl phthalate	mg/L						0.002 U			0.002 U	
SVOA	1,2,4-Trichlorobenzene	mg/L						0.0014 U			0.0014 U	
	1,2-Diphenylhydrazine	mg/L						0.0014 U			0.0014 U	
	2,2'-oxybis(1-chloropropane)	mg/L						0.0013 U			0.0013 U	
	2,3-Dichloroaniline	mg/L						0.0013 U			ND J	
	2,4,6-Trichlorophenol	mg/L						0.0017 U			0.0017 U	
	2,4-Dichlorophenol	mg/L						0.0017 U			0.0016 U	

Table C-2A Burlington Subpart A Contaminated Stormwater
2019 Compliance Comparison

					May	September		October					
					5/1/2019	9/23/2019	9/24/2019	10/2/2019	10/23/2019	10/28/2019	10/29/2019	10/31/2019	
					3719	3724	3724	3026	3724	3724	3991	3725	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	Sample	SMR	
SVOA	2,4-Dimethylphenol	mg/L							0.0031 U			0.003 U	
	2,4-Dinitrophenol	mg/L							0.033 U			0.032 U	
	2,4-Dinitrotoluene	mg/L							0.0023 U			0.0022 U	
	2,6-Dinitrotoluene	mg/L							0.0024 U			0.0024 U	
	2-Chloronaphthalene	mg/L							0.0011 U			0.0011 U	
	2-Chlorophenol	mg/L							0.0015 U			0.0015 U	
	2-Methyl-4,6-dinitrophenol	mg/L							0.0027 U			0.0026 U	
	2-Methylphenol (o-Cresol)	mg/L							0.0012 U			0.0012 U	
	2-Nitrophenol	mg/L							0.0022 U			0.0021 U	
	3 & 4-Methylphenol(p-cresol)	mg/L							0.001 U			0.001 U	
	3,3'-Dichlorobenzidine	mg/L							0.0014 U			0.0013 U	
	4-Bromophenyl phenyl ether	mg/L							0.0014 U			0.0013 U	
	4-Chloro-3-Methylphenol	mg/L							0.0017 U			0.0016 U	
	4-Chlorophenyl phenyl ether	mg/L							0.0014 U			0.0013 U	
	4-Nitrophenol	mg/L							0.062			0.0081 U	
	Acetophenone	mg/L							0.017			0.0037 U	
	Aniline	mg/L							0.0011 U			0.038	
	Benzidine	mg/L							0.021 U			0.02 U	
	Bis(2-chloroethoxy) methane	mg/L							0.0012 U			0.0012 U	
	Bis(2-chloroethyl) ether	mg/L							0.0012 U			0.0012 U	
	Carbazole	mg/L							0.0009 U			0.0009 U	
	Hexachlorobenzene	mg/L							0.0013 U			0.0013 U	
	Hexachlorobutadiene	mg/L							0.0015 U			0.0015 U	
	Hexachlorocyclopentadiene	mg/L							0.002 U			0.0019 U	
	Hexachloroethane	mg/L							0.0015 U			0.0015 U	
Isophorone	mg/L							0.0014 U			0.0013 U		
n-Decane	mg/L							0.12			0.094		
Nitrobenzene	mg/L							0.0015 U			0.0015 U		
N-Nitrosodimethylamine	mg/L							0.14			0.13		
N-Nitroso-di-n-propylamine	mg/L							0.0011 U			0.0011 U		
N-Nitrosodiphenylamine	mg/L							0.0011 U			1.9		

Table C-2A Burlington Subpart A Contaminated Stormwater
2019 Compliance Comparison

					May	September		October				
					5/1/2019	9/23/2019	9/24/2019	10/2/2019	10/23/2019	10/28/2019	10/29/2019	10/31/2019
					3719	3724	3724	3026	3724	3724	3991	3725
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	Sample	SMR
SVOA	n-Octadecane	mg/L						0.0023 U			0.013	
	Pyridine	mg/L						0.011 U			0.011 U	
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	2.4	5 U	5 U	ND J	5.0 U
Volatiles	1,1,1-Trichloroethane	mg/L						0.0056 U			0.0056 U	
	1,1,2,2-Tetrachloroethane	mg/L						0.004 U			0.004 U	
	1,1,2-Trichloroethane	mg/L						0.003 U			0.003 U	
	1,1-Dichloroethane	mg/L						0.0036 U			0.0036 U	
	1,1-Dichloroethene	mg/L						0.005 U			0.005 U	
	1,2-Dichlorobenzene	mg/L						0.0032 U			0.0032 U	
	1,2-Dichloroethane	mg/L						0.003 U			0.003 U	
	1,2-Dichloropropane	mg/L						0.0026 U			0.0026 U	
	1,3-Dichlorobenzene	mg/L						0.0036 U			0.0036 U	
	1,4-Dichlorobenzene	mg/L						0.0038 U			0.0038 U	
	2-Chloroethyl vinyl ether	mg/L						0.0022 U			0.0022 U	
	Acrolein	mg/L						0.03 U			0.03 U	
	Acrylonitrile	mg/L						0.028 U			0.028 U	
	Bromodichloromethane	mg/L						0.0034 U			0.0034 U	
	Bromoform	mg/L						0.003 U			0.003 U	
	Bromomethane	mg/L						0.0076 U			0.0076 U	
	Carbon Tetrachloride	mg/L						0.0034 U			0.0034 U	
	Chlorobenzene	mg/L						0.0018 U			0.0018 U	
	Chloroethane	mg/L						0.0024 U			0.0024 U	
	Chloroform	mg/L						0.0026 U			0.0026 U	
	Chloromethane	mg/L						0.0048 U			0.0048 U	
	cis-1,3-Dichloropropene	mg/L						0.0018 U				
Dibromochloromethane	mg/L						0.0024 U			0.0024 U		
Methylene Chloride	mg/L						0.0084 U			0.0084 U		
Styrene	mg/L						0.0026 U			0.0026 U		
Tetrachloroethene	mg/L						0.0036 U			0.0036 U		
trans-1,2-Dichloroethene	mg/L						0.0036 U			0.0036 U		
trans-1,3-Dichloropropene	mg/L						0.0024 U			0.0024 U		

Table C-2A Burlington Subpart A Contaminated Stormwater
2019 Compliance Comparison

					May	September		October					
					5/1/2019	9/23/2019	9/24/2019	10/2/2019	10/23/2019	10/28/2019	10/29/2019	10/31/2019	
					3719	3724	3724	3026	3724	3724	3991	3725	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	Sample	SMR	
Volatiles	Trichloroethene	mg/L							0.003 U			0.003 U	
	Trichlorofluoromethane	mg/L							0.003 U			0.003 U	
	Vinyl Chloride	mg/L							0.003 U			0.003 U	

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UU - Analyte not detected at or above the associated estimated value.

J - The result is an estimated concentration.

Table C-2B Burlington
2019 Compliance Comparison

				January				February	March		April	
				1/2/2019	1/16/2019	1/22/2019	1/31/2019	2/13/2019	3/4/2019	3/15/2019	4/10/2019	4/30/2019
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon		25469	21236	18341	18146	23442	16965	24347	24534	22777
	pH	pH Units	5.5 - 11	6.99	7.89	7.65	6.88	6.87	6.73	6.84	7.50	6.94
	Temperature	°F	100									
BTEX	Benzene	mg/L										
	Ethylbenzene	mg/L										
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										
	Toluene	mg/L										
Conventionals	Cyanide, Total	mg/L	0.64	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L										
	Indeno(1,2,3-cd)pyrene	mg/L										
	Pyrene	mg/L										
LPAHs	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
	Phenanthrene	mg/L										
Metals	Antimony	mg/L							0.025 U		0.025 U	
	Arsenic	mg/L	0.1	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
	Cadmium	mg/L	0.25	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
	Chromium	mg/L	0.25	0.007	0.013	0.035	0.05	0.017	0.033	0.022	0.114	0.015
	Cobalt	mg/L							0.005 U		0.005 U	
	Copper	mg/L	1	0.009	0.014	0.020	0.011	0.006 U	0.015	0.012	0.012	0.009
	Lead	mg/L	0.4	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1	0.012	0.011	0.007 U	0.005 U	0.005 U	0.04	0.035	0.036	0.015
	Nickel	mg/L	1	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.032	0.015 U	0.015 U	0.015 U
	Selenium	mg/L	0.1	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Thallium	mg/L											

Table C-2B Burlington
2019 Compliance Comparison

				January				February	March		April	
				1/2/2019	1/16/2019	1/22/2019	1/31/2019	2/13/2019	3/4/2019	3/15/2019	4/10/2019	4/30/2019
				2417	2417	2417	3836	3836	3837	3837	3838	3839
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	
Metals	Tin	mg/L						0.025 U		0.025 U		
	Titanium	mg/L						0.033		0.033		
	Vanadium	mg/L						0.015 U		0.015 U		
	Zinc	mg/L	2	0.267	0.539	0.539	0.372	0.302	0.593	0.347	0.811	0.261
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L										
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L										
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L										
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L										
	3,3'-Dichlorobenzidine	mg/L										
4-Bromophenyl phenyl ether	mg/L											

Table C-2B Burlington
2019 Compliance Comparison

				January				February	March		April	
				1/2/2019	1/16/2019	1/22/2019	1/31/2019	2/13/2019	3/4/2019	3/15/2019	4/10/2019	4/30/2019
				2417	2417	2417	3836	3836	3837	3837	3838	3839
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	
SVOA	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
	Acetophenone	mg/L										
	Aniline	mg/L										
	Benzidine	mg/L										
	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L										
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L										
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
N-Nitroso-di-n-propylamine	mg/L											
N-Nitrosodiphenylamine	mg/L											
n-Octadecane	mg/L											
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50	5.0	5.0	5.0 U	5 U	5 U	5 U	5 U	5 U	
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Butanone	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acetone	mg/L										
	Acrolein	mg/L										

Table C-2B Burlington
2019 Compliance Comparison

				January				February	March		April	
				1/2/2019	1/16/2019	1/22/2019	1/31/2019	2/13/2019	3/4/2019	3/15/2019	4/10/2019	4/30/2019
				2417	2417	2417	3836	3836	3837	3837	3838	3839
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	
Volatiles	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
	Carbon Tetrachloride	mg/L										
	Chlorobenzene	mg/L										
	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
Trichlorofluoromethane	mg/L											
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-2B Burlington
2019 Compliance Comparison

				June			August	September				
				6/11/2019	6/20/2019	6/21/2019	8/1/2019	9/5/2019	9/19/2019	9/24/2019	9/25/2019	9/26/2019
				3840	3181	3181	3842	3843	3843	3843	3074	3074
Category	Parameter	Unit	Daily Limit	SMR	Sample	Sample	SMR	SMR	SMR	SMR	Sample	Sample
Flow, pH, and Temperature	Flow	Gallon		23764			25447	15514	22694	24526		
	pH	pH Units	5.5 - 11	7.34	8.74		7.11	7.30	6.85	6.98		6.82
	Temperature	°F	100		65.1							64.4
BTEX	Benzene	mg/L			0.0022 U						0.0022 U	
	Ethylbenzene	mg/L			0.0032 U						0.0032 U	
	m,p-Xylene	mg/L			0.0084 U						0.0084 U	
	o-Xylene	mg/L			0.0026 U						0.0026 U	
	Toluene	mg/L			0.0054 U						0.0054 U	
Conventionals	Cyanide, Total	mg/L	0.64	0.01 U		0.005 U	0.01 U	0.01 U	0.01 U	0.01 U		0.005 U
HPAHs	Benzo(a)anthracene	mg/L				0.0012 U						0.0011 U
	Benzo(a)pyrene	mg/L				0.0016 U						0.0015 U
	Benzo(b,k)fluoranthene	mg/L				0.0024 U						0.0023 U
	Benzo(g,h,i)perylene	mg/L				0.0015 U						0.0015 U
	Chrysene	mg/L				0.0012 U						0.0011 U
	Dibenz(a,h)anthracene	mg/L				0.0018 U						0.0017 U
	Fluoranthene	mg/L				0.0008 U						0.0008 U
	Indeno(1,2,3-cd)pyrene	mg/L				0.0016 U						0.0015 U
LPAHs	Pyrene	mg/L				0.0014 U						0.0013 U
	Acenaphthene	mg/L				0.0013 U						0.0012 U
	Acenaphthylene	mg/L				0.0013 U						0.0012 U
	Anthracene	mg/L				0.0011 U						0.0011 U
	Fluorene	mg/L				0.0014 U						0.0013 U
	Naphthalene	mg/L				0.0013 U						0.0012 U
Metals	Phenanthrene	mg/L				0.0011 U						0.0011 U
	Antimony	mg/L		0.025 U		0.000121 U		0.025 U		0.025 U		
	Arsenic	mg/L	0.1	0.025 U		0.00169	0.025 U	0.025 U	0.025 U	0.025 U		0.00251
	Barium	mg/L				0.0531						
	Beryllium	mg/L				0.000103 U						
	Cadmium	mg/L	0.25	0.003 U		0.000121 U	0.003 U	0.004	0.003 U	0.003 U		0.000121 U
	Chromium	mg/L	0.25	0.007 U		0.0233	0.007 U	0.131	0.017	0.046		0.0186
	Cobalt	mg/L		0.005 U		0.00175		0.005 U		0.005 U		0.000117 U
	Copper	mg/L	1	0.009		0.00956	0.006 U	0.013	0.006 U	0.023		0.0102
	Lead	mg/L	0.4	0.025 U		0.00204	0.025 U	0.025 U	0.025 U	0.025 U		0.00616
	Mercury	mg/L	0.05	0.0005 U		2.1E-05 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		0.000059
	Molybdenum	mg/L	1	0.026		0.0210	0.008	0.009	0.01	0.005 U		0.00899
	Nickel	mg/L	1	0.015 U		0.00466	0.015 U	0.015 U	0.023	0.015 U		0.0131
	Selenium	mg/L	0.1	0.025 U		0.000126 U	0.025 U	0.025 U	0.025 U	0.025 U		0.000126 U
Silver	mg/L	0.2	0.007 U		0.000158 U	0.007 U	0.007 U	0.007 U	0.007 U		0.000158 U	
Thallium	mg/L					0.00025 U						

Table C-2B Burlington
2019 Compliance Comparison

				June			August	September				
				6/11/2019	6/20/2019	6/21/2019	8/1/2019	9/5/2019	9/19/2019	9/24/2019	9/25/2019	9/26/2019
				3840	3181	3181	3842	3843	3843	3843	3074	3074
Category	Parameter	Unit	Daily Limit	SMR	Sample	Sample	SMR	SMR	SMR	SMR	Sample	Sample
Metals	Tin	mg/L		0.025 U				0.025 U		0.025 U		0.0112
	Titanium	mg/L		0.01		0.00183 U		0.055		0.034		0.0352
	Vanadium	mg/L		0.015 U		0.00161		0.015 U		0.015 U		
	Zinc	mg/L	2	0.532		0.505	0.116	1.68	0.178	0.449		0.130
PCBs	Aroclor-1016	mg/L				1.2E-05 U						
	Aroclor-1221	mg/L				4.4E-05 U						
	Aroclor-1232	mg/L				1.2E-05 U						
	Aroclor-1242	mg/L				1.2E-05 U						
	Aroclor-1248	mg/L				1.2E-05 U						
	Aroclor-1254	mg/L				2.9E-05 U						
	Aroclor-1260	mg/L				2.9E-05 U						
Phenols	Pentachlorophenol	mg/L				0.008 U						0.0076 U
	Phenol	mg/L				0.0022 U						0.0021 U
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L				0.0013 U						0.0012 U
	Butyl benzyl phthalate	mg/L				0.0017 U						0.0016 U
	Diethyl phthalate	mg/L				0.0025 U						0.0024 U
	Dimethyl phthalate	mg/L				0.0011 U						0.0011 U
	Di-n-butyl phthalate	mg/L				0.0024 U						0.0023 U
	Di-n-octyl phthalate	mg/L				0.0022 U						0.0021 U
SVOA	1,2,4-Trichlorobenzene	mg/L				0.0015 U						0.0015 U
	1,2-Diphenylhydrazine	mg/L				0.0015 U						0.0015 U
	2,2'-oxybis(1-chloropropane)	mg/L				0.0014 U						0.0013 U
	2,3-Dichloroaniline	mg/L				0.0014 U						0.0013 U
	2,4,6-Trichlorophenol	mg/L				0.0018 U						0.0018 U
	2,4-Dichlorophenol	mg/L				0.0018 U						0.0017 U
	2,4-Dimethylphenol	mg/L				0.0033 U						0.0031 U
	2,4-Dinitrophenol	mg/L				0.035 U						0.034 U
	2,4-Dinitrotoluene	mg/L				0.0024 U						0.0023 U
	2,6-Dinitrotoluene	mg/L				0.0026 U						0.0024 U
	2-Chloronaphthalene	mg/L				0.0012 U						0.0011 U
	2-Chlorophenol	mg/L				0.0016 U						0.0015 U
	2-Methyl-4,6-dinitrophenol	mg/L				0.0029 U						0.0027 U
	2-Methylphenol (o-Cresol)	mg/L				0.0013 U						0.0012 U
	2-Nitrophenol	mg/L				0.0023 U						0.0022 U
	3 & 4-Methylphenol(p-cresol)	mg/L				0.001 U						0.001 U
	3,3'-Dichlorobenzidine	mg/L				0.0014 U						0.0014 U
4-Bromophenyl phenyl ether	mg/L				0.0014 U						0.0014 U	

Table C-2B Burlington
2019 Compliance Comparison

				June			August	September				
				6/11/2019	6/20/2019	6/21/2019	8/1/2019	9/5/2019	9/19/2019	9/24/2019	9/25/2019	9/26/2019
				3840	3181	3181	3842	3843	3843	3843	3074	3074
Category	Parameter	Unit	Daily Limit	SMR	Sample	Sample	SMR	SMR	SMR	SMR	Sample	Sample
SVOA	4-Chloro-3-Methylphenol	mg/L				0.0018 U						0.0017 U
	4-Chlorophenyl phenyl ether	mg/L				0.0014 U						0.0014 U
	4-Nitrophenol	mg/L				0.0088 U						0.0084 U
	Acetophenone	mg/L				0.004 U						0.0038 U
	Aniline	mg/L				0.0012 U						0.0011 U
	Benzidine	mg/L				0.022 U						0.021 U
	Bis(2-chloroethoxy) methane	mg/L				0.0013 U						0.0012 U
	Bis(2-chloroethyl) ether	mg/L				0.0013 U						0.0012 U
	Carbazole	mg/L				0.001 U						0.0009 U
	Hexachlorobenzene	mg/L				0.0014 U						0.0013 U
	Hexachlorobutadiene	mg/L				0.0016 U						0.0015 U
	Hexachlorocyclopentadiene	mg/L				0.0021 U						0.002 U
	Hexachloroethane	mg/L				0.0016 U						0.0015 U
	Isophorone	mg/L				0.0014 U						0.0014 U
	n-Decane	mg/L				0.0035 U						0.0034 U
	Nitrobenzene	mg/L				0.0016 U						0.0015 U
	N-Nitrosodimethylamine	mg/L				0.0063 U						0.006 U
	N-Nitroso-di-n-propylamine	mg/L				0.0012 U						0.0011 U
N-Nitrosodiphenylamine	mg/L				0.0012 U						0.0011 U	
n-Octadecane	mg/L				0.0025 U						0.0024 U	
Pyridine	mg/L				0.012 U						0.011 U	
TPH	SGT-HEM	mg/L	50	5 U	2 U		5 U	5 U	5 U	5 U		18.2
Volatiles	1,1,1-Trichloroethane	mg/L				0.0056 U					0.0056 U	
	1,1,2,2-Tetrachloroethane	mg/L				0.004 U					0.004 U	
	1,1,2-Trichloroethane	mg/L				0.003 U					0.003 U	
	1,1-Dichloroethane	mg/L				0.0036 U					0.0036 U	
	1,1-Dichloroethene	mg/L				0.005 U					0.005 U	
	1,2-Dichlorobenzene	mg/L				0.0032 U					0.0032 U	
	1,2-Dichloroethane	mg/L				0.003 U					0.003 U	
	1,2-Dichloropropane	mg/L				0.0026 U					0.0026 U	
	1,3-Dichlorobenzene	mg/L				0.0036 U					0.0036 U	
	1,4-Dichlorobenzene	mg/L				0.0038 U					0.0038 U	
	2-Butanone	mg/L									0.01 U	
	2-Chloroethyl vinyl ether	mg/L				0.0022 U					0.0022 U	
	Acetone	mg/L									0.034 U	
Acrolein	mg/L				0.03 U					0.03 U		

Table C-2B Burlington
2019 Compliance Comparison

				June			August	September				
				6/11/2019	6/20/2019	6/21/2019	8/1/2019	9/5/2019	9/19/2019	9/24/2019	9/25/2019	9/26/2019
				3840	3181	3181	3842	3843	3843	3843	3074	3074
Category	Parameter	Unit	Daily Limit	SMR	Sample	Sample	SMR	SMR	SMR	SMR	Sample	Sample
Volatiles	Acrylonitrile	mg/L			0.028 U						0.028 U	
	Bromodichloromethane	mg/L			0.0034 U						0.0034 U	
	Bromoform	mg/L			0.003 U						0.003 U	
	Bromomethane	mg/L			0.0076 U						0.0076 U	
	Carbon Tetrachloride	mg/L			0.0034 U						0.0034 U	
	Chlorobenzene	mg/L			0.0018 U						0.0018 U	
	Chloroethane	mg/L			0.0024 U						0.0024 U	
	Chloroform	mg/L			0.0026 U						0.0026 U	
	Chloromethane	mg/L			0.0048 U						0.0048 U	
	cis-1,3-Dichloropropene	mg/L			0.0018 U						0.0018 U	
	Dibromochloromethane	mg/L			0.0024 U						0.0024 U	
	Methylene Chloride	mg/L			0.0084 U						0.0084 U	
	Styrene	mg/L			0.0026 U							
	Tetrachloroethene	mg/L			0.0036 U						0.0036 U	
	trans-1,2-Dichloroethene	mg/L			0.0036 U						0.0036 U	
	trans-1,3-Dichloropropene	mg/L			0.0024 U						0.0024 U	
	Trichloroethene	mg/L			0.003 U						0.003 U	
Trichlorofluoromethane	mg/L			0.003 U								
Vinyl Chloride	mg/L			0.003 U						0.003 U		

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-2B Burlington
2019 Compliance Comparison

				October		November		December				
				10/18/2019	10/21/2019	11/13/2019	11/21/2019	12/11/2019	12/20/2019	12/23/2019	12/24/2019	
				3844	3844	3845	3845	3846	3846	3846	3846	
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	
Flow, pH, and Temperature	Flow	Gallon		22612	23345	23,165	21,482	23,090	23,996	25,432	22,567	
	pH	pH Units	5.5 - 11	6.69	7.41	7.01	7.12	6.97	6.32	5.98	6.81	
	Temperature	°F	100									
BTEX	Benzene	mg/L										
	Ethylbenzene	mg/L										
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										
	Toluene	mg/L										
Conventionals	Cyanide, Total	mg/L	0.64	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L										
	Indeno(1,2,3-cd)pyrene	mg/L										
	Pyrene	mg/L										
LPAHs	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
	Phenanthrene	mg/L										
Metals	Antimony	mg/L			0.025 U		0.025 U				0.025 U	
	Arsenic	mg/L	0.1	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
	Barium	mg/L										
	Beryllium	mg/L										
	Cadmium	mg/L	0.25	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.010	0.003 U	0.003 U	
	Chromium	mg/L	0.25	0.007 U	0.007 U	0.014	0.007 U	0.073	0.021	0.007 U	0.007 U	
	Cobalt	mg/L			0.005 U		0.005 U				0.005 U	
	Copper	mg/L	1	0.006 U	0.006 U	0.006 U	0.011	0.006 U	0.011	0.006 U	0.006 U	
	Lead	mg/L	0.4	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
	Mercury	mg/L	0.05	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
	Molybdenum	mg/L	1	0.006	0.005 U	0.005 U	0.005 U	0.005 U	0.011	0.005	0.006	0.005 U
	Nickel	mg/L	1	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.017	0.015 U	0.015 U	
	Selenium	mg/L	0.1	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
	Silver	mg/L	0.2	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	
Thallium	mg/L											

Table C-2B Burlington
2019 Compliance Comparison

				October		November		December			
				10/18/2019	10/21/2019	11/13/2019	11/21/2019	12/11/2019	12/20/2019	12/23/2019	12/24/2019
				3844	3844	3845	3845	3846	3846	3846	3846
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Tin	mg/L			0.025 U		0.025 U				0.025 U
	Titanium	mg/L			0.005 U		0.036				0.013
	Vanadium	mg/L			0.015 U		0.015 U				0.015 U
	Zinc	mg/L	2	0.253	0.195	0.218	0.303	0.457	1.99	0.438	0.167
PCBs	Aroclor-1016	mg/L									
	Aroclor-1221	mg/L									
	Aroclor-1232	mg/L									
	Aroclor-1242	mg/L									
	Aroclor-1248	mg/L									
	Aroclor-1254	mg/L									
	Aroclor-1260	mg/L									
Phenols	Pentachlorophenol	mg/L									
	Phenol	mg/L									
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L									
	Butyl benzyl phthalate	mg/L									
	Diethyl phthalate	mg/L									
	Dimethyl phthalate	mg/L									
	Di-n-butyl phthalate	mg/L									
	Di-n-octyl phthalate	mg/L									
SVOA	1,2,4-Trichlorobenzene	mg/L									
	1,2-Diphenylhydrazine	mg/L									
	2,2'-oxybis(1-chloropropane)	mg/L									
	2,3-Dichloroaniline	mg/L									
	2,4,6-Trichlorophenol	mg/L									
	2,4-Dichlorophenol	mg/L									
	2,4-Dimethylphenol	mg/L									
	2,4-Dinitrophenol	mg/L									
	2,4-Dinitrotoluene	mg/L									
	2,6-Dinitrotoluene	mg/L									
	2-Chloronaphthalene	mg/L									
	2-Chlorophenol	mg/L									
	2-Methyl-4,6-dinitrophenol	mg/L									
	2-Methylphenol (o-Cresol)	mg/L									
	2-Nitrophenol	mg/L									
	3 & 4-Methylphenol(p-cresol)	mg/L									
	3,3'-Dichlorobenzidine	mg/L									
4-Bromophenyl phenyl ether	mg/L										

Table C-2B Burlington
2019 Compliance Comparison

				October		November		December			
				10/18/2019	10/21/2019	11/13/2019	11/21/2019	12/11/2019	12/20/2019	12/23/2019	12/24/2019
				3844	3844	3845	3845	3846	3846	3846	3846
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	4-Chloro-3-Methylphenol	mg/L									
	4-Chlorophenyl phenyl ether	mg/L									
	4-Nitrophenol	mg/L									
	Acetophenone	mg/L									
	Aniline	mg/L									
	Benzidine	mg/L									
	Bis(2-chloroethoxy) methane	mg/L									
	Bis(2-chloroethyl) ether	mg/L									
	Carbazole	mg/L									
	Hexachlorobenzene	mg/L									
	Hexachlorobutadiene	mg/L									
	Hexachlorocyclopentadiene	mg/L									
	Hexachloroethane	mg/L									
	Isophorone	mg/L									
	n-Decane	mg/L									
	Nitrobenzene	mg/L									
	N-Nitrosodimethylamine	mg/L									
	N-Nitroso-di-n-propylamine	mg/L									
N-Nitrosodiphenylamine	mg/L										
n-Octadecane	mg/L										
Pyridine	mg/L										
TPH	SGT-HEM	mg/L	50	5 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L									
	1,1,2,2-Tetrachloroethane	mg/L									
	1,1,2-Trichloroethane	mg/L									
	1,1-Dichloroethane	mg/L									
	1,1-Dichloroethene	mg/L									
	1,2-Dichlorobenzene	mg/L									
	1,2-Dichloroethane	mg/L									
	1,2-Dichloropropane	mg/L									
	1,3-Dichlorobenzene	mg/L									
	1,4-Dichlorobenzene	mg/L									
	2-Butanone	mg/L									
	2-Chloroethyl vinyl ether	mg/L									
	Acetone	mg/L									
	Acrolein	mg/L									

Table C-2B Burlington
2019 Compliance Comparison

				October		November		December			
				10/18/2019	10/21/2019	11/13/2019	11/21/2019	12/11/2019	12/20/2019	12/23/2019	12/24/2019
				3844	3844	3845	3845	3846	3846	3846	3846
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Acrylonitrile	mg/L									
	Bromodichloromethane	mg/L									
	Bromoform	mg/L									
	Bromomethane	mg/L									
	Carbon Tetrachloride	mg/L									
	Chlorobenzene	mg/L									
	Chloroethane	mg/L									
	Chloroform	mg/L									
	Chloromethane	mg/L									
	cis-1,3-Dichloropropene	mg/L									
	Dibromochloromethane	mg/L									
	Methylene Chloride	mg/L									
	Styrene	mg/L									
	Tetrachloroethene	mg/L									
	trans-1,2-Dichloroethene	mg/L									
	trans-1,3-Dichloropropene	mg/L									
	Trichloroethene	mg/L									
Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L										

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-3 Caraustar
2019 Compliance Comparison

				January			February		March		
				1/22/2019	1/23/2019	1/31/2019		2/28/2019		3/31/2019	
				1451	1451	2456	January	2456	February	2456	March
Category	Parameter	Unit	Daily Limit	Sample	Sample	SMR	Average	SMR	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon					6147		9833		4091
	pH	pH Units	5.5 - 11	5.56							
	Temperature	°F		56.7							
Conventionals	BOD	mg/L			5520						
	COD	mg/L			11100						
	Cyanide, Total	mg/L	0.64		0.025 U						
	Total Suspended Solids	mg/L			1730						
HPAHs	Benzo(a)anthracene	mg/L			0.0011 U						
	Benzo(a)pyrene	mg/L			0.0015 U						
	Benzo(b,k)fluoranthene	mg/L			0.0023 U						
	Benzo(g,h,i)perylene	mg/L			0.0014 U						
	Chrysene	mg/L			0.0011 U						
	Dibenz(a,h)anthracene	mg/L			0.0017 U						
	Fluoranthene	mg/L			0.0008 U						
	Indeno(1,2,3-cd)pyrene	mg/L			0.0015 U						
	Pyrene	mg/L			0.0013 U						
LPAHs	Acenaphthene	mg/L			0.0012 U						
	Acenaphthylene	mg/L			0.0012 U						
	Anthracene	mg/L			0.0011 U						
	Fluorene	mg/L			0.0013 U						
	Naphthalene	mg/L			0.0012 U						
	Phenanthrene	mg/L			0.0011 U						
Metals	Arsenic	mg/L	0.1		0.00912						
	Cadmium	mg/L	0.25		0.00127						
	Chromium	mg/L	1		0.0291						
	Copper	mg/L	1		0.0997						
	Lead	mg/L	0.4		0.0186						
	Mercury	mg/L	0.05		0.000497						
	Molybdenum	mg/L	1		0.0925						
	Nickel	mg/L	1		0.0254						
Metals	Selenium	mg/L	0.1		0.00143						
	Silver	mg/L	0.2		0.00016 U						
	Zinc	mg/L	2		0.252						
Phenols	Pentachlorophenol	mg/L			0.0076 U						
	Phenol	mg/L			0.075						

Table C-3 Caraustar
2019 Compliance Comparison

				January			February		March		
				1/22/2019	1/23/2019	1/31/2019		2/28/2019		3/31/2019	
				1451	1451	2456	January	2456	February	2456	March
Category	Parameter	Unit	Daily Limit	Sample	Sample	SMR	Average	SMR	Average	SMR	Average
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L			0.080						
	Butyl benzyl phthalate	mg/L			0.0016 U						
	Diethyl phthalate	mg/L			0.053						
	Dimethyl phthalate	mg/L			0.018						
	Di-n-butyl phthalate	mg/L			0.036						
	Di-n-octyl phthalate	mg/L			0.002 U						
SVOA	1,2,4-Trichlorobenzene	mg/L			0.0014 U						
	1,2-Diphenylhydrazine	mg/L			0.0014 U						
	2,2'-oxybis(1-chloropropane)	mg/L			0.0013 U						
	2,3-Dichloroaniline	mg/L			0.0013 U						
	2,4,6-Trichlorophenol	mg/L			0.0017 U						
	2,4-Dichlorophenol	mg/L			0.0017 U						
	2,4-Dimethylphenol	mg/L			0.0031 U						
	2,4-Dinitrophenol	mg/L			0.033 U						
SVOA	2,4-Dinitrotoluene	mg/L			0.0023 U						
	2,6-Dinitrotoluene	mg/L			0.0024 U						
	2-Chloronaphthalene	mg/L			ND J						
	2-Chlorophenol	mg/L			0.0015 U						
	2-Methyl-4,6-dinitrophenol	mg/L			0.0027 U						
	2-Methylphenol (o-Cresol)	mg/L			0.0012 U						
	2-Nitrophenol	mg/L			0.0022 U						
	3 & 4-Methylphenol(p-cresol)	mg/L			0.020						
	3,3'-Dichlorobenzidine	mg/L			0.0014 U						
	4-Bromophenyl phenyl ether	mg/L			0.0014 U						
	4-Chloro-3-Methylphenol	mg/L			0.0017 U						
	4-Chlorophenyl phenyl ether	mg/L			0.0014 U						
	4-Nitrophenol	mg/L			0.0083 U						
	Acetophenone	mg/L			0.011						
	Aniline	mg/L			0.0011 U						
	Benzidine	mg/L			0.021 U						
Bis(2-chloroethoxy) methane	mg/L			0.0012 U							

Table C-3 Caraustar
2019 Compliance Comparison

				January			February		March	
				1/22/2019	1/23/2019	1/31/2019	2/28/2019	3/31/2019		
				1451	1451	2456	2456	2456		
Category	Parameter	Unit	Daily Limit	Sample	Sample	SMR	January Average	February Average	SMR	March Average
SVOA	Bis(2-chloroethyl) ether	mg/L			0.0012 U					
	Carbazole	mg/L			0.0009 U					
	Hexachlorobenzene	mg/L			0.0013 U					
	Hexachlorobutadiene	mg/L			0.0015 U					
	Hexachlorocyclopentadiene	mg/L			0.002 U					
	Hexachloroethane	mg/L			0.0015 U					
	Isophorone	mg/L			0.0014 U					
	n-Decane	mg/L			0.0033 U					
	Nitrobenzene	mg/L			0.0015 U					
	N-Nitrosodimethylamine	mg/L			0.006 U					
	N-Nitroso-di-n-propylamine	mg/L			0.0011 U					
	N-Nitrosodiphenylamine	mg/L			0.0011 U					
n-Octadecane	mg/L			0.0023 U						
Pyridine	mg/L			0.011 U						
TPH	SGT-HEM	mg/L	50	1.7 U						

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-3 Caraustar
2019 Compliance Comparison

				April		May		June		July			July	August
				4/30/2019		5/31/2019		6/30/2019		7/1/2019	7/29/2019	7/30/2019		8/1/2019
				2456	April	2456	May	2456	June	2457	3069	3069	July	2457
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Sample	Sample	Average	SMR
Flow, pH, and Temperature	Flow	Gallon			3146		2334		1377				2055	
	pH	pH Units	5.5 - 11								6.71			
	Temperature	°F									70.9			
Conventionals	BOD	mg/L										1320		
	COD	mg/L										2420		
	Cyanide, Total	mg/L	0.64									0.005 U		
	Total Suspended Solids	mg/L										110		
HPAHs	Benzo(a)anthracene	mg/L										0.0012 U		
	Benzo(a)pyrene	mg/L										0.0016 U		
	Benzo(b,k)fluoranthene	mg/L										0.0025 U		
	Benzo(g,h,i)perylene	mg/L										0.0016 U		
	Chrysene	mg/L										0.0012 U		
	Dibenz(a,h)anthracene	mg/L										0.0018 U		
	Fluoranthene	mg/L										0.0008 U		
	Indeno(1,2,3-cd)pyrene	mg/L										0.0016 U		
	Pyrene	mg/L										0.0014 U		
LPAHs	Acenaphthene	mg/L										0.0013 U		
	Acenaphthylene	mg/L										0.0013 U		
	Anthracene	mg/L										0.0011 U		
	Fluorene	mg/L										0.0014 U		
	Naphthalene	mg/L										0.0013 U		
	Phenanthrene	mg/L										0.0011 U		
Metals	Arsenic	mg/L	0.1									0.00534		
	Cadmium	mg/L	0.25									0.00012 U		
	Chromium	mg/L	1									0.00622		
	Copper	mg/L	1									0.0222		
	Lead	mg/L	0.4									0.00278		
	Mercury	mg/L	0.05									0.000082		
	Molybdenum	mg/L	1									0.0149		
	Nickel	mg/L	1									0.00543		
Metals	Selenium	mg/L	0.1									0.00013 U		
	Silver	mg/L	0.2									0.000165		
	Zinc	mg/L	2									0.0527		
Phenols	Pentachlorophenol	mg/L										0.0082 U		
	Phenol	mg/L										0.017		

Table C-3 Caraustar
2019 Compliance Comparison

				April		May		June		July			July	August
				4/30/2019		5/31/2019		6/30/2019		7/1/2019	7/29/2019	7/30/2019		8/1/2019
				2456	April	2456	May	2456	June	2457	3069	3069	July	2457
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Sample	Sample	Average	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L										0.0013 U		
	Butyl benzyl phthalate	mg/L										0.0017 U		
	Diethyl phthalate	mg/L										0.011		
	Dimethyl phthalate	mg/L										0.0011 U		
	Di-n-butyl phthalate	mg/L										0.0025 U		
	Di-n-octyl phthalate	mg/L										0.0022 U		
SVOA	1,2,4-Trichlorobenzene	mg/L										0.0016 U		
	1,2-Diphenylhydrazine	mg/L										0.0016 U		
	2,2'-oxybis(1-chloropropane)	mg/L										0.0014 U		
	2,3-Dichloroaniline	mg/L										0.0014 U		
	2,4,6-Trichlorophenol	mg/L										0.0019 U		
	2,4-Dichlorophenol	mg/L										0.0018 U		
	2,4-Dimethylphenol	mg/L										0.0034 U		
	2,4-Dinitrophenol	mg/L										0.036 U		
SVOA	2,4-Dinitrotoluene	mg/L										0.0025 U		
	2,6-Dinitrotoluene	mg/L										0.0026 U		
	2-Chloronaphthalene	mg/L										0.0012 U		
	2-Chlorophenol	mg/L										0.0016 U		
	2-Methyl-4,6-dinitrophenol	mg/L										0.003 U		
	2-Methylphenol (o-Cresol)	mg/L										0.0013 U		
	2-Nitrophenol	mg/L										0.0024 U		
	3 & 4-Methylphenol(p-cresol)	mg/L										0.0096		
	3,3'-Dichlorobenzidine	mg/L										0.0015 U		
	4-Bromophenyl phenyl ether	mg/L										0.0015 U		
	4-Chloro-3-Methylphenol	mg/L										0.0018 U		
	4-Chlorophenyl phenyl ether	mg/L										0.0015 U		
	4-Nitrophenol	mg/L										0.009 U		
	Acetophenone	mg/L										0.0041 U		
	Aniline	mg/L										0.0012 U		
Benzidine	mg/L										0.022 U			
Bis(2-chloroethoxy) methane	mg/L										0.0013 U			

Table C-3 Caraustar
2019 Compliance Comparison

				April		May		June		July			July	August
				4/30/2019		5/31/2019		6/30/2019		7/1/2019	7/29/2019	7/30/2019		8/1/2019
				2456	April	2456	May	2456	June	2457	3069	3069	July	2457
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Sample	Sample	Average	SMR
SVOA	Bis(2-chloroethyl) ether	mg/L										0.0013 U		
	Carbazole	mg/L										0.001 U		
	Hexachlorobenzene	mg/L										0.0014 U		
	Hexachlorobutadiene	mg/L										0.0016 U		
	Hexachlorocyclopentadiene	mg/L										0.0021 U		
	Hexachloroethane	mg/L										0.0016 U		
	Isophorone	mg/L										0.0015 U		
	n-Decane	mg/L										0.0036 U		
	Nitrobenzene	mg/L										0.0016 U		
	N-Nitrosodimethylamine	mg/L										0.0065 U		
	N-Nitroso-di-n-propylamine	mg/L										0.0012 U		
	N-Nitrosodiphenylamine	mg/L										0.0012 U		
n-Octadecane	mg/L										0.0025 U			
Pyridine	mg/L										0.012 U			
TPH	SGT-HEM	mg/L	50								2 U			

Bold - The analyte was present in the sample.
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UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-3 Caraustar
2019 Compliance Comparison

				September			October			November		December		
					9/1/2019		10/1/2019	10/28/2019	10/29/2019		11/1/2019		12/1/2019	
				August	2457	September	2457	3070	3070	October	2457	November	2457	December
Category	Parameter	Unit	Daily Limit	Average	SMR	Average	SMR	Sample	Sample	Average	SMR	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon		1215		5324				6082		1018		11500
	pH	pH Units	5.5 - 11					5.65						
	Temperature	°F						50.4						
Conventionals	BOD	mg/L												
	COD	mg/L												
	Cyanide, Total	mg/L	0.64						0.005 U					
	Total Suspended Solids	mg/L												
HPAHs	Benzo(a)anthracene	mg/L							0.0011 U					
	Benzo(a)pyrene	mg/L							0.0015 U					
	Benzo(b,k)fluoranthene	mg/L							0.0022 U					
	Benzo(g,h,i)perylene	mg/L							0.0014 U					
	Chrysene	mg/L							0.0011 U					
	Dibenz(a,h)anthracene	mg/L							0.0016 U					
	Fluoranthene	mg/L							0.0007 U					
	Indeno(1,2,3-cd)pyrene	mg/L							0.0015 U					
	Pyrene	mg/L							0.0013 U					
LPAHs	Acenaphthene	mg/L							0.0012 U					
	Acenaphthylene	mg/L							0.0012 U					
	Anthracene	mg/L							0.001 U					
	Fluorene	mg/L							0.0013 U					
	Naphthalene	mg/L							0.0012 U					
	Phenanthrene	mg/L							0.001 U					
Metals	Arsenic	mg/L	0.1						0.00543					
	Cadmium	mg/L	0.25						0.00012 U					
	Chromium	mg/L	1						0.00447					
	Copper	mg/L	1						0.0106					
	Lead	mg/L	0.4						0.00123					
	Mercury	mg/L	0.05						2E-05 U					
	Molybdenum	mg/L	1						0.00778					
	Nickel	mg/L	1						0.00342					
Metals	Selenium	mg/L	0.1						0.00013 U					
	Silver	mg/L	0.2						0.00016 U					
	Zinc	mg/L	2						0.0216					
Phenols	Pentachlorophenol	mg/L							0.0074 U					
	Phenol	mg/L							0.011					

Table C-3 Caraustar
2019 Compliance Comparison

				September			October			November		December		
					9/1/2019		10/1/2019	10/28/2019	10/29/2019		11/1/2019		12/1/2019	
				August	2457	September	2457	3070	3070	October	2457	November	2457	December
Category	Parameter	Unit	Daily Limit	Average	SMR	Average	SMR	Sample	Sample	Average	SMR	Average	SMR	Average
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L							0.0012 U					
	Butyl benzyl phthalate	mg/L							0.0015 U					
	Diethyl phthalate	mg/L							0.0023 U					
	Dimethyl phthalate	mg/L							0.001 U					
	Di-n-butyl phthalate	mg/L							0.0022 U					
	Di-n-octyl phthalate	mg/L							0.002 U					
SVOA	1,2,4-Trichlorobenzene	mg/L							0.0014 U					
	1,2-Diphenylhydrazine	mg/L							0.0014 U					
	2,2'-oxybis(1-chloropropane)	mg/L							0.0013 U					
	2,3-Dichloroaniline	mg/L							0.0013 U					
	2,4,6-Trichlorophenol	mg/L							0.0017 U					
	2,4-Dichlorophenol	mg/L							0.0016 U					
	2,4-Dimethylphenol	mg/L							0.003 U					
	2,4-Dinitrophenol	mg/L							0.032 U					
SVOA	2,4-Dinitrotoluene	mg/L							0.0022 U					
	2,6-Dinitrotoluene	mg/L							0.0024 U					
	2-Chloronaphthalene	mg/L							0.0011 U					
	2-Chlorophenol	mg/L							0.0015 U					
	2-Methyl-4,6-dinitrophenol	mg/L							0.0026 U					
	2-Methylphenol (o-Cresol)	mg/L							0.0012 U					
	2-Nitrophenol	mg/L							0.0021 U					
	3 & 4-Methylphenol(p-cresol)	mg/L							0.0095					
	3,3'-Dichlorobenzidine	mg/L							0.0013 U					
	4-Bromophenyl phenyl ether	mg/L							0.0013 U					
	4-Chloro-3-Methylphenol	mg/L							0.0016 U					
	4-Chlorophenyl phenyl ether	mg/L							0.0013 U					
	4-Nitrophenol	mg/L							0.0081 U					
	Acetophenone	mg/L							0.0037 U					
	Aniline	mg/L							0.0011 U					
Benzidine	mg/L							0.02 U						
Bis(2-chloroethoxy) methane	mg/L							0.0012 U						

Table C-3 Caraustar
2019 Compliance Comparison

				September			October			November		December		
					9/1/2019		10/1/2019	10/28/2019	10/29/2019		11/1/2019		12/1/2019	
				August	2457	September	2457	3070	3070	October	2457	November	2457	December
Category	Parameter	Unit	Daily Limit	Average	SMR	Average	SMR	Sample	Sample	Average	SMR	Average	SMR	Average
SVOA	Bis(2-chloroethyl) ether	mg/L							0.0012 U					
	Carbazole	mg/L							0.0009 U					
	Hexachlorobenzene	mg/L							0.0013 U					
	Hexachlorobutadiene	mg/L							0.0015 U					
	Hexachlorocyclopentadiene	mg/L							0.0019 U					
	Hexachloroethane	mg/L							0.0015 U					
	Isophorone	mg/L							0.0013 U					
	n-Decane	mg/L							0.0032 U					
	Nitrobenzene	mg/L							0.0015 U					
	N-Nitrosodimethylamine	mg/L							0.0058 U					
	N-Nitroso-di-n-propylamine	mg/L							0.0011 U					
	N-Nitrosodiphenylamine	mg/L							0.0011 U					
n-Octadecane	mg/L							0.0023 U						
Pyridine	mg/L							0.011 U						
TPH	SGT-HEM	mg/L	50					15.3						

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C-4 Darling Int'l
2019 Compliance Comparison

				January						February						
				1/8/2019		1/9/2019			1/10/2019		2/5/2019	2/6/2019		2/7/2019		
				1653	1633	1677	1733	1633	1701	January	1654	1654	1678	1633	1678	1702
Category	Parameter	Unit	Daily Limit	Sample	SMR	Sample	Sample	SMR	Sample	Average	Sample	Sample	Sample	SMR	Sample	Sample
Flow, pH, and Temperature	Flow	Gallon								104325						
	pH	pH Units	5.5 - 11	8.36		8.21			7.99		7.99		7.93			7.88
	Temperature	°F	100	87.3			84.4			91.6		73.0		72.1		
mg/L		100														
Conventionals	BOD	mg/L		149	580	255		174	2 U			341		230	533	
	COD	mg/L		1010		750			633			1330			1500	
	Cyanide, Total	mg/L	0.64				0.025 U									
	Total Suspended Solids	mg/L	500	535	550	195		160	163			580		880	470	
Metals	Arsenic	mg/L	0.1				0.0001 U									
	Cadmium	mg/L	0.25				0.00012 U									
	Chromium	mg/L	0.25				0.0023 U									
	Copper	mg/L	1				0.00706									
	Lead	mg/L	0.4				0.0001 U									
	Mercury	mg/L	0.05				2E-05 U									
	Molybdenum	mg/L	1				0.0004 U									
	Nickel	mg/L	1				0.0169									
	Selenium	mg/L	0.1				0.00013 U									
	Silver	mg/L	0.2				0.00016 U									
TPH	HEM	mg/L	300				12.4									
	SGT-HEM	mg/L	50				8.1									

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C-4 Darling Int'l
2019 Compliance Comparison

				February				March								
				2/8/2019		2/25/2019		3/4/2019	3/5/2019			3/6/2019			3/7/2019	3/19/2019
				1702	1633	1730	February	1655	1655	1679	1633	1679	1703	1633	1703	1633
Category	Parameter	Unit	Daily Limit	Sample	SMR	Sample	Average	Sample	Sample	Sample	SMR	Sample	Sample	SMR	Sample	SMR
Flow, pH, and Temperature	Flow	Gallon					117584									
	pH	pH Units	5.5 - 11			5.9		7.02		8.30			7.63			
	Temperature	°F	100						73.0		59.4			63.7		
mg/L		100														
Conventionals	BOD	mg/L		1160	870				2850		2300	2180		2300	2010	2300
	COD	mg/L		3250					5180			3830			3250	
	Cyanide, Total	mg/L	0.64													
	Total Suspended Solids	mg/L	500	1010	740	5310			585		370	517		290	128	370
Metals	Arsenic	mg/L	0.1													
	Cadmium	mg/L	0.25													
	Chromium	mg/L	0.25													
	Copper	mg/L	1													
	Lead	mg/L	0.4													
	Mercury	mg/L	0.05													
	Molybdenum	mg/L	1													
	Nickel	mg/L	1													
	Selenium	mg/L	0.1													
	Silver	mg/L	0.2													
TPH	HEM	mg/L	300			964										
	SGT-HEM	mg/L	50													

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C-4 Darling Int'l
2019 Compliance Comparison

				March					April						
				3/20/2019	3/21/2019	3/22/2019	3/31/2019		4/1/2019		4/3/2019			4/4/2019	
				1633 SMR	1633 SMR	1633 SMR	1633 SMR	March Average	1656 Sample	1734 Sample	1656 Sample	1680 Sample	1734 Sample	1634 SMR	1680 Sample
Category	Parameter	Unit	Daily Limit												
Flow, pH, and Temperature	Flow	Gallon						104478							
	pH	pH Units	5.5 - 11	8.32	8.34				6.23			6.06			6.70
	Temperature	°F	100	87.3	87.6					73.6			79.7		
mg/L		100													
Conventionals	BOD	mg/L		2300	95	2500					3840			3600	3980
	COD	mg/L									7830				6860
	Cyanide, Total	mg/L	0.64										0.025 U		
	Total Suspended Solids	mg/L	500	290	244	480					990			567	238
Metals	Arsenic	mg/L	0.1											0.00151	
	Cadmium	mg/L	0.25											0.00012 U	
	Chromium	mg/L	0.25											0.00256	
	Copper	mg/L	1											0.0118	
	Lead	mg/L	0.4											0.0001 U	
	Mercury	mg/L	0.05											2E-05 U	
	Molybdenum	mg/L	1											0.0004 U	
	Nickel	mg/L	1											0.0150	
	Selenium	mg/L	0.1											0.00151	
	Silver	mg/L	0.2											0.00016 U	
TPH	HEM	mg/L	300		9.9	45									361
	SGT-HEM	mg/L	50		5.0 U	5.0 U									10.8

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C-4 Darling Int'l
2019 Compliance Comparison

				April					May						
				4/4/2019	4/5/2019	4/5/2019	4/30/2019		5/1/2019	5/2/2019	5/21/2019	5/22/2019		5/23/2019	
				1634 SMR	1704 Sample	1634 SMR	1634 SMR	April Average	1634 SMR	1634 SMR	1657 Sample	1657 Sample	1681 Sample	1634 SMR	1681 Sample
Category	Parameter	Unit	Daily Limit												
Flow, pH, and Temperature	Flow	Gallon						92589							
	pH	pH Units	5.5 - 11				7.11		6.03	6.16	6.84		7.24		7.64
	Temperature	°F	100						85.9	87.1	82.2		85.3		90.5
mg/L		100				86.4									
Conventionals	BOD	mg/L		3200	6390	4500	250		2400	2100		1480		1600	1030
	COD	mg/L			9850							5510			2660
	Cyanide, Total	mg/L	0.64												
	Total Suspended Solids	mg/L	500	390	635	340	250		150	410		180		310	77.5
Metals	Arsenic	mg/L	0.1												
	Cadmium	mg/L	0.25												
	Chromium	mg/L	0.25												
	Copper	mg/L	1												
	Lead	mg/L	0.4												
	Mercury	mg/L	0.05												
	Molybdenum	mg/L	1												
	Nickel	mg/L	1												
	Selenium	mg/L	0.1												
	Silver	mg/L	0.2												
TPH	HEM	mg/L	300				11		30	78					
	SGT-HEM	mg/L	50				5 U		5.0 U	7.5					

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C-4 Darling Int'l
2019 Compliance Comparison

				May					June						
				5/23/2019	5/24/2019		5/29/2019		6/3/2019	6/4/2019		6/5/2019		6/6/2019	
				1634 SMR	1705 Sample	1634 SMR	1634 SMR	May Average	1706 Sample	1658 Sample	1706 Sample	1634 SMR	1658 Sample	1682 Sample	1634 SMR
Category	Parameter	Unit	Daily Limit												
Flow, pH, and Temperature	Flow	Gallon						82320							
	pH	pH Units	5.5 - 11				8.42		8.37	8.02			7.00		
	Temperature	°F	100						91.0	87.1				89.4	
mg/L		100													
Conventionals	BOD	mg/L		900	1410	1200	4400				26.4	83	457		270
	COD	mg/L			3650						664		1320		3290
	Cyanide, Total	mg/L	0.64												
	Total Suspended Solids	mg/L	500	87	66.7	90	80				125	110	153		190
Metals	Arsenic	mg/L	0.1												
	Cadmium	mg/L	0.25												
	Chromium	mg/L	0.25												
	Copper	mg/L	1												
	Lead	mg/L	0.4												
	Mercury	mg/L	0.05												
	Molybdenum	mg/L	1												
	Nickel	mg/L	1												
	Selenium	mg/L	0.1												
	Silver	mg/L	0.2												
TPH	HEM	mg/L	300				7.5								
	SGT-HEM	mg/L	50				5.0 U								

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JJ - Analyte not detected at or above the associated estimated value.
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C-4 Darling Int'l
2019 Compliance Comparison

				June		July									
				6/6/2019		7/8/2019	7/9/2019		7/9/2019	7/10/2019		7/11/2019			
				1634	June	1659	1659	1683	1635	1683	1707	1635	1707	1635	July
Category	Parameter	Unit	Daily Limit	SMR	Average	Sample	Sample	Sample	SMR	Sample	Sample	SMR	Sample	SMR	Average
Flow, pH, and Temperature	Flow	Gallon			84347										78517
	pH	pH Units	5.5 - 11			8.27		8.13			7.79				
	Temperature	°F	100				106		106			106			
mg/L		100													
Conventionals	BOD	mg/L		2200			2920		2200	3270		1100	2250	1600	
	COD	mg/L					4040			4670			3260		
	Cyanide, Total	mg/L	0.64												
	Total Suspended Solids	mg/L	500	210			96.7		65	68.3		63	47.0	39	
Metals	Arsenic	mg/L	0.1												
	Cadmium	mg/L	0.25												
	Chromium	mg/L	0.25												
	Copper	mg/L	1												
	Lead	mg/L	0.4												
	Mercury	mg/L	0.05												
	Molybdenum	mg/L	1												
	Nickel	mg/L	1												
	Selenium	mg/L	0.1												
	Silver	mg/L	0.2												
TPH	HEM	mg/L	300												
	SGT-HEM	mg/L	50												

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UJ - Analyte not detected at or above the associated estimated value.
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C-4 Darling Int'l
2019 Compliance Comparison

				August											
				8/12/2019	8/13/2019			8/14/2019			8/15/2019	8/15/2019	8/21/2019	8/22/2019	8/23/2019
				1660 Sample	1660 Sample	1684 Sample	1635 SMR	1684 Sample	1708 Sample	1635 SMR	1708 Sample	1635 SMR	1635 SMR	1635 SMR	1635 SMR
Category	Parameter	Unit	Daily Limit												
Flow, pH, and Temperature	Flow	Gallon													
	pH	pH Units	5.5 - 11	6.48		6.50			5.81			4.67	7.68	7.78	
	Temperature	°F	100	93.7			92.5			99.3			87.8	86.9	87.6
		mg/L	100												
Conventionals	BOD	mg/L			2050		2000	3690		4100	6300	6000	740	4100	754
	COD	mg/L			3970			6460			9180				
	Cyanide, Total	mg/L	0.64												
	Total Suspended Solids	mg/L	500		123		140	70.0		50	58.0	120	72	44	39
Metals	Arsenic	mg/L	0.1												
	Cadmium	mg/L	0.25												
	Chromium	mg/L	0.25												
	Copper	mg/L	1												
	Lead	mg/L	0.4												
	Mercury	mg/L	0.05												
	Molybdenum	mg/L	1												
	Nickel	mg/L	1												
	Selenium	mg/L	0.1												
	Silver	mg/L	0.2												
TPH	HEM	mg/L	300										5 U	7	5 U
	SGT-HEM	mg/L	50										5 U	5 U	5 U

*Bold - The analyte was present in the sample.
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UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-4 Darling Int'l
2019 Compliance Comparison

				August	September							
					9/16/2019	9/17/2019		9/18/2019		9/19/2019		
				August Average	1661 Sample	1661 Sample	1685 Sample	1685 Sample	1709 Sample	1635 SMR	1709 Sample	1635 SMR
Category	Parameter	Unit	Daily Limit									
Flow, pH, and Temperature	Flow	Gallon		86358								84309
	pH	pH Units	5.5 - 11		7.12		7.71		7.73			
	Temperature	°F	100		86.4		88.5		83.8			
mg/L		100										
Conventionals	BOD	mg/L				922		704		67	994	980
	COD	mg/L				1680		1350			1700	
	Cyanide, Total	mg/L	0.64									
	Total Suspended Solids	mg/L	500			67.5		57.0		33	39.3	30
Metals	Arsenic	mg/L	0.1									
	Cadmium	mg/L	0.25									
	Chromium	mg/L	0.25									
	Copper	mg/L	1									
	Lead	mg/L	0.4									
	Mercury	mg/L	0.05									
	Molybdenum	mg/L	1									
	Nickel	mg/L	1									
	Selenium	mg/L	0.1									
	Silver	mg/L	0.2									
TPH	Zinc	mg/L	2									
	HEM	mg/L	300									
	SGT-HEM	mg/L	50									

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UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-4 Darling Int'l
2019 Compliance Comparison

				October								November			
				10/1/2019			10/2/2019			10/3/2019			11/12/2019	11/13/2019	
				1662	1736	1636	1662	1686	1636	1686	1636	October	1663	1663	1687
Category	Parameter	Unit	Daily Limit	Sample	Sample	SMR	Sample	Sample	SMR	Sample	SMR	Average	Sample	Sample	Sample
Flow, pH, and Temperature	Flow	Gallon										81308			
	pH	pH Units	5.5 - 11	7.02				7.67					5.98		6.20
	Temperature	°F	100	84.7					79.7					65.7	
mg/L		100													
Conventionals	BOD	mg/L			1080	800	ND J		32	ND J	92			700	
	COD	mg/L			1740		402			661				1290	
	Cyanide, Total	mg/L	0.64												
	Total Suspended Solids	mg/L	500		43.0	48	11.3		17	67.0	87			93.8	
Metals	Arsenic	mg/L	0.1												
	Cadmium	mg/L	0.25												
	Chromium	mg/L	0.25												
	Copper	mg/L	1												
	Lead	mg/L	0.4												
	Mercury	mg/L	0.05												
	Molybdenum	mg/L	1												
	Nickel	mg/L	1												
	Selenium	mg/L	0.1												
	Silver	mg/L	0.2												
TPH	Zinc	mg/L	2												
	HEM	mg/L	300												
	SGT-HEM	mg/L	50												

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U - Analyte not detected at or above the associated value.
JJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-4 Darling Int'l
2019 Compliance Comparison

				November						December					
				11/13/2019	11/14/2019		11/14/2019	11/15/2019			12/2/2019	12/3/2019		12/4/2019	
				1636	1687	1711	1636	1711	1636	November	1688	1688	1712	1636	1664
Category	Parameter	Unit	Daily Limit	SMR	Sample	Sample	SMR	Sample	SMR	Average	Sample	Sample	Sample	SMR	Sample
Flow, pH, and Temperature	Flow	Gallon								73975					
	pH	pH Units	5.5 - 11			7.90					6.50		6.78		8.32
	Temperature	°F	100			90.5						58.1		83.3	
mg/L		100													
Conventionals	BOD	mg/L		540	799		510	547	530			790		530	
	COD	mg/L			1590			1140				1480			
	Cyanide, Total	mg/L	0.64												
	Total Suspended Solids	mg/L	500	34	38.1		30	53.0	66			95.0		80	
Metals	Arsenic	mg/L	0.1												
	Cadmium	mg/L	0.25												
	Chromium	mg/L	0.25												
	Copper	mg/L	1												
	Lead	mg/L	0.4												
	Mercury	mg/L	0.05												
	Molybdenum	mg/L	1												
	Nickel	mg/L	1												
	Selenium	mg/L	0.1												
	Silver	mg/L	0.2												
TPH	HEM	mg/L	300												
	SGT-HEM	mg/L	50												

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J - The result is an estimated concentration.*

C-4 Darling Int'l
2019 Compliance Comparison

				December							
				12/4/2019		12/5/2019		12/17/2019	12/19/2019	12/20/2019	
				1712	1636	1664	1636	1636	1636	1636	December
Category	Parameter	Unit	Daily Limit	Sample	SMR	Sample	SMR	SMR	SMR	SMR	Average
Flow, pH, and Temperature	Flow	Gallon									101793
	pH	pH Units	5.5 - 11					7.79	7.98	8.87	
	Temperature	°F	100						88.8	87.6	88.6
mg/L		100									
Conventionals	BOD	mg/L		1550	1600	610	440	730	950		
	COD	mg/L		2650		1060					
	Cyanide, Total	mg/L	0.64								
	Total Suspended Solids	mg/L	500	135	98	41.0	202	142	114	109	
Metals	Arsenic	mg/L	0.1								
	Cadmium	mg/L	0.25								
	Chromium	mg/L	0.25								
	Copper	mg/L	1								
	Lead	mg/L	0.4								
	Mercury	mg/L	0.05								
	Molybdenum	mg/L	1								
	Nickel	mg/L	1								
	Selenium	mg/L	0.1								
	Silver	mg/L	0.2								
TPH	HEM	mg/L	300					30.6	5 U	44.7	
	SGT-HEM	mg/L	50					5 U	6.9	6.56	

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UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-5 Ecotex
2019 Compliance Comparison

					January											
					1/1/2019	1/2/2019	1/4/2019	1/5/2019	1/6/2019	1/7/2019	1/14/2019	1/23/2019	1/23/2019	1/24/2019	1/28/2019	
					1863	1863	1863	1863	1863	1863	1863	1887	1863	1887	1863	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR	
Flow, pH, and Temperature	Flow	Gallon														
	pH	pH Units			10.0	10.5	10.3	10.0	10.5	10.6	10.4	11.0	10.1		10.6	
		°C														
		°F			99	92	85	90	91	86	98	64.0	92		102	
		Gallon														
		mg/L														
BTEX	Benzene	mg/L										0.0022 U				
	Ethylbenzene	mg/L										0.0032 U				
	m,p-Xylene	mg/L										0.0084 U				
	o-Xylene	mg/L										0.0026 U				
	Toluene	mg/L										0.0054 U				
Conventionals	BOD	mg/L												265		
	COD	mg/L												670		
	Cyanide, Total	mg/L														
	Total Suspended Solids	mg/L												75.0		
HPAHs	Benzo(a)anthracene	mg/L												0.0012 U		
	Benzo(a)pyrene	mg/L												0.0015 U		
	Benzo(b,k)fluoranthene	mg/L												0.0023 U		
	Benzo(g,h,i)perylene	mg/L												0.0015 U		
	Chrysene	mg/L												0.0012 U		
	Dibenz(a,h)anthracene	mg/L												0.0017 U		
	Fluoranthene	mg/L												0.0008 U		
	Indeno(1,2,3-cd)pyrene	mg/L												0.0016 U		

Table C-5 Ecotex
2019 Compliance Comparison

					January										
					1/1/2019	1/2/2019	1/4/2019	1/5/2019	1/6/2019	1/7/2019	1/14/2019	1/23/2019	1/23/2019	1/24/2019	1/28/2019
					1863	1863	1863	1863	1863	1863	1863	1863	1887	1863	1887
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR
HPAHs	Pyrene	mg/L												0.0013 U	
LPAHs	Acenaphthene	mg/L												0.0013 U	
	Acenaphthylene	mg/L												0.0013 U	
	Anthracene	mg/L												0.0011 U	
	Fluorene	mg/L												0.0013 U	
	Naphthalene	mg/L												0.0013 U	
	Phenanthrene	mg/L												0.0011 U	
Metals	Arsenic	mg/L												0.0013	
	Cadmium	mg/L												0.000244	
	Chromium	mg/L												0.012	
	Copper	mg/L												0.0404	
	Lead	mg/L												0.00197	
	Mercury	mg/L												4E-05 U	
	Molybdenum	mg/L												0.000704	
	Nickel	mg/L												0.00675	
Selenium	mg/L												0.000326		

Table C-5 Ecotex
2019 Compliance Comparison

					January										
					1/1/2019	1/2/2019	1/4/2019	1/5/2019	1/6/2019	1/7/2019	1/14/2019	1/23/2019	1/23/2019	1/24/2019	1/28/2019
					1863	1863	1863	1863	1863	1863	1863	1863	1887	1863	1887
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR
Metals	Silver	mg/L												0.000386	
	Zinc	mg/L												0.228	
Phenols	Pentachlorophenol	mg/L												0.0078 U	
	Phenol	mg/L												0.0021 U	
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L												0.060	
	Butyl benzyl phthalate	mg/L												0.0016 U	
	Diethyl phthalate	mg/L												0.0024 U	
	Dimethyl phthalate	mg/L												0.0011 U	
	Di-n-butyl phthalate	mg/L												0.0023 U	
	Di-n-octyl phthalate	mg/L												0.0021 U	
SVOA	1,2,4-Trichlorobenzene	mg/L												0.0015 U	
	1,2-Diphenylhydrazine	mg/L												0.0015 U	
	2,2'-oxybis(1-chloropropane)	mg/L												0.0013 U	
	2,3-Dichloroaniline	mg/L												0.0013 U	
	2,4,6-Trichlorophenol	mg/L												0.0018 U	
	2,4-Dichlorophenol	mg/L												0.0017 U	
	2,4-Dimethylphenol	mg/L												0.0032 U	
	2,4-Dinitrophenol	mg/L												0.034 U	
	2,4-Dinitrotoluene	mg/L												0.0023 U	
	2,6-Dinitrotoluene	mg/L												0.0025 U	
	2-Chloronaphthalene	mg/L												ND J	
	2-Chlorophenol	mg/L												0.0016 U	
	2-Methyl-4,6-dinitrophenol	mg/L												0.0028 U	

Table C-5 Ecotex
2019 Compliance Comparison

					January										
					1/1/2019	1/2/2019	1/4/2019	1/5/2019	1/6/2019	1/7/2019	1/14/2019	1/23/2019	1/23/2019	1/24/2019	1/28/2019
					1863	1863	1863	1863	1863	1863	1863	1863	1887	1863	1887
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR
SVOA	2-Methylphenol (o-Cresol)	mg/L												0.0013 U	
	2-Nitrophenol	mg/L												0.0023 U	
	3 & 4-Methylphenol(p-cresol)	mg/L												0.001 U	
	3,3'-Dichlorobenzidine	mg/L												0.0014 U	
	4-Bromophenyl phenyl ether	mg/L												0.0014 U	
	4-Chloro-3-Methylphenol	mg/L												0.0017 U	
	4-Chlorophenyl phenyl ether	mg/L												0.0014 U	
	4-Nitrophenol	mg/L												0.0086 U	
	Acetophenone	mg/L												0.0039 U	
	Aniline	mg/L												0.0012 U	
	Benzidine	mg/L												0.021 U	
	Bis(2-chloroethoxy) methane	mg/L												0.0013 U	
	Bis(2-chloroethyl) ether	mg/L												0.0013 U	
	Carbazole	mg/L												0.0009 U	
	Hexachlorobenzene	mg/L												0.0013 U	
	Hexachlorobutadiene	mg/L												0.0016 U	
	Hexachlorocyclopentadiene	mg/L												0.002 U	
	Hexachloroethane	mg/L												0.0016 U	
	Isophorone	mg/L												0.0014 U	
	n-Decane	mg/L												0.0034 U	
Nitrobenzene	mg/L												0.0016 U		
N-Nitrosodimethylamine	mg/L												0.0062 U		
N-Nitroso-di-n-propylamine	mg/L												0.0012 U		

Table C-5 Ecotex
2019 Compliance Comparison

					January										
					1/1/2019	1/2/2019	1/4/2019	1/5/2019	1/6/2019	1/7/2019	1/14/2019	1/23/2019	1/23/2019	1/24/2019	1/28/2019
					1863	1863	1863	1863	1863	1863	1863	1863	1887	1863	1887
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR
SVOA	N-Nitrosodiphenylamine	mg/L												0.0012 U	
	n-Octadecane	mg/L												0.053	
	Pyridine	mg/L												0.012 U	
TPH	SGT-HEM	mg/L										12.5			
Volatiles	1,1,1-Trichloroethane	mg/L										0.0056 U			
	1,1,2,2-Tetrachloroethane	mg/L										ND J			
	1,1,2-Trichloroethane	mg/L										0.003 U			
	1,1-Dichloroethane	mg/L										0.0036 U			
	1,1-Dichloroethene	mg/L										0.005 U			
	1,2-Dichlorobenzene	mg/L										0.0032 U			
	1,2-Dichloroethane	mg/L										0.003 U			
	1,2-Dichloropropane	mg/L										0.0026 U			
	1,3-Dichlorobenzene	mg/L										0.0036 U			
	1,4-Dichlorobenzene	mg/L										0.0038 U			

Table C-5 Ecotex
2019 Compliance Comparison

					January										
					1/1/2019	1/2/2019	1/4/2019	1/5/2019	1/6/2019	1/7/2019	1/14/2019	1/23/2019	1/23/2019	1/24/2019	1/28/2019
					1863	1863	1863	1863	1863	1863	1863	1863	1887	1863	1887
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR
Volatiles	2-Chloroethyl vinyl ether	mg/L										0.0022 U			
	Acrolein	mg/L										ND J			
	Acrylonitrile	mg/L										0.028 U			
	Bromodichloromethane	mg/L										0.0034 U			
	Bromoform	mg/L										0.003 U			
	Bromomethane	mg/L										0.0076 U			
	Carbon Tetrachloride	mg/L										0.0034 U			
	Chlorobenzene	mg/L										0.0018 U			
	Chloroethane	mg/L										0.0024 U			
	Chloroform	mg/L										0.0026 U			
	Chloromethane	mg/L										0.0048 U			
	cis-1,3-Dichloropropene	mg/L										0.0018 U			
	Dibromochloromethane	mg/L										0.0024 U			
	Methylene Chloride	mg/L										0.0084 U			
	Styrene	mg/L										0.0026 U			
	Tetrachloroethene	mg/L										0.0036 U			
	trans-1,2-Dichloroethene	mg/L										0.0036 U			
	trans-1,3-Dichloropropene	mg/L										0.0024 U			
	Trichloroethene	mg/L										0.003 U			
Trichlorofluoromethane	mg/L										0.003 U				
Vinyl Chloride	mg/L										0.003 U				

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 UJ - Analyte not detected at or above the associated estimated value.
 J - The result is an estimated concentration.

Table C-5 Ecotex
2019 Compliance Comparison

					January	February				March				
						2/5/2019	2/11/2019	2/20/2019	2/25/2019		3/4/2019	3/12/2019	3/18/2019	3/25/2019
					January Average	1863 SMR	1863 SMR	1863 SMR	1863 SMR	February Average	1863 SMR	1863 SMR	1863 SMR	1863 SMR
Category	Parameter	Unit	Daily Limit	Monthly Limit	January Average	1863 SMR	1863 SMR	1863 SMR	1863 SMR	February Average	1863 SMR	1863 SMR	1863 SMR	1863 SMR
Flow, pH, and Temperature	Flow	Gallon			27812					25057				
	pH	pH Units				10.5	10.4	10.2	10.6		10.6	10.3	10.0	10.3
		°C									33			
		°F				98	104	100	96			94	102	98
		Gallon												
		mg/L												
BTEX	Benzene	mg/L												
	Ethylbenzene	mg/L												
	m,p-Xylene	mg/L												
	o-Xylene	mg/L												
	Toluene	mg/L												
Conventionals	BOD	mg/L												
	COD	mg/L												
	Cyanide, Total	mg/L												
	Total Suspended Solids	mg/L												
HPAHs	Benzo(a)anthracene	mg/L												
	Benzo(a)pyrene	mg/L												
	Benzo(b,k)fluoranthene	mg/L												
	Benzo(g,h,i)perylene	mg/L												
	Chrysene	mg/L												
	Dibenz(a,h)anthracene	mg/L												
	Fluoranthene	mg/L												
	Indeno(1,2,3-cd)pyrene	mg/L												

Table C-5 Ecotex
2019 Compliance Comparison

					January	February				March				
						2/5/2019	2/11/2019	2/20/2019	2/25/2019		3/4/2019	3/12/2019	3/18/2019	3/25/2019
					January	1863	1863	1863	1863	February	1863	1863	1863	1863
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR
HPAHs	Pyrene	mg/L												
LPAHs	Acenaphthene	mg/L												
	Acenaphthylene	mg/L												
	Anthracene	mg/L												
	Fluorene	mg/L												
	Naphthalene	mg/L												
Metals	Phenanthrene	mg/L												
	Arsenic	mg/L												
	Cadmium	mg/L												
	Chromium	mg/L												
	Copper	mg/L												
	Lead	mg/L												
	Mercury	mg/L												
	Molybdenum	mg/L												
Nickel	mg/L													
Selenium	mg/L													

Table C-5 Ecotex
2019 Compliance Comparison

					January	February					March			
						2/5/2019	2/11/2019	2/20/2019	2/25/2019		3/4/2019	3/12/2019	3/18/2019	3/25/2019
					January Average	1863 SMR	1863 SMR	1863 SMR	1863 SMR	February Average	1863 SMR	1863 SMR	1863 SMR	1863 SMR
Category	Parameter	Unit	Daily Limit	Monthly Limit	January Average	1863 SMR	1863 SMR	1863 SMR	1863 SMR	February Average	1863 SMR	1863 SMR	1863 SMR	1863 SMR
Metals	Silver	mg/L												
	Zinc	mg/L												
Phenols	Pentachlorophenol	mg/L												
	Phenol	mg/L												
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L												
	Butyl benzyl phthalate	mg/L												
	Diethyl phthalate	mg/L												
	Dimethyl phthalate	mg/L												
	Di-n-butyl phthalate	mg/L												
	Di-n-octyl phthalate	mg/L												
SVOA	1,2,4-Trichlorobenzene	mg/L												
	1,2-Diphenylhydrazine	mg/L												
	2,2'-oxybis(1-chloropropane)	mg/L												
	2,3-Dichloroaniline	mg/L												
	2,4,6-Trichlorophenol	mg/L												
	2,4-Dichlorophenol	mg/L												
	2,4-Dimethylphenol	mg/L												
	2,4-Dinitrophenol	mg/L												
	2,4-Dinitrotoluene	mg/L												
	2,6-Dinitrotoluene	mg/L												
	2-Chloronaphthalene	mg/L												
	2-Chlorophenol	mg/L												
2-Methyl-4,6-dinitrophenol	mg/L													

Table C-5 Ecotex
2019 Compliance Comparison

					January	February					March			
						2/5/2019	2/11/2019	2/20/2019	2/25/2019		3/4/2019	3/12/2019	3/18/2019	3/25/2019
					January	1863	1863	1863	1863	February	1863	1863	1863	1863
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR
SVOA	2-Methylphenol (o-Cresol)	mg/L												
	2-Nitrophenol	mg/L												
	3 & 4-Methylphenol(p-cresol)	mg/L												
	3,3´ -Dichlorobenzidine	mg/L												
	4-Bromophenyl phenyl ether	mg/L												
	4-Chloro-3-Methylphenol	mg/L												
	4-Chlorophenyl phenyl ether	mg/L												
	4-Nitrophenol	mg/L												
	Acetophenone	mg/L												
	Aniline	mg/L												
	Benzidine	mg/L												
	Bis(2-chloroethoxy) methane	mg/L												
	Bis(2-chloroethyl) ether	mg/L												
	Carbazole	mg/L												
	Hexachlorobenzene	mg/L												
	Hexachlorobutadiene	mg/L												
	Hexachlorocyclopentadiene	mg/L												
	Hexachloroethane	mg/L												
	Isophorone	mg/L												
	n-Decane	mg/L												
Nitrobenzene	mg/L													
N-Nitrosodimethylamine	mg/L													
N-Nitroso-di-n-propylamine	mg/L													

Table C-5 Ecotex
2019 Compliance Comparison

					January	February				March				
						2/5/2019	2/11/2019	2/20/2019	2/25/2019		3/4/2019	3/12/2019	3/18/2019	3/25/2019
					January	1863	1863	1863	1863	February	1863	1863	1863	1863
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR
SVOA	N-Nitrosodiphenylamine	mg/L												
	n-Octadecane	mg/L												
	Pyridine	mg/L												
TPH	SGT-HEM	mg/L												
Volatiles	1,1,1-Trichloroethane	mg/L												
	1,1,2,2-Tetrachloroethane	mg/L												
	1,1,2-Trichloroethane	mg/L												
	1,1-Dichloroethane	mg/L												
	1,1-Dichloroethene	mg/L												
	1,2-Dichlorobenzene	mg/L												
	1,2-Dichloroethane	mg/L												
	1,2-Dichloropropane	mg/L												
	1,3-Dichlorobenzene	mg/L												
1,4-Dichlorobenzene	mg/L													

Table C-5 Ecotex
2019 Compliance Comparison

					January	February					March			
						2/5/2019	2/11/2019	2/20/2019	2/25/2019		3/4/2019	3/12/2019	3/18/2019	3/25/2019
					January	1863	1863	1863	1863	February	1863	1863	1863	1863
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR
Volatiles	2-Chloroethyl vinyl ether	mg/L												
	Acrolein	mg/L												
	Acrylonitrile	mg/L												
	Bromodichloromethane	mg/L												
	Bromoform	mg/L												
	Bromomethane	mg/L												
	Carbon Tetrachloride	mg/L												
	Chlorobenzene	mg/L												
	Chloroethane	mg/L												
	Chloroform	mg/L												
	Chloromethane	mg/L												
	cis-1,3-Dichloropropene	mg/L												
	Dibromochloromethane	mg/L												
	Methylene Chloride	mg/L												
	Styrene	mg/L												
	Tetrachloroethene	mg/L												
	trans-1,2-Dichloroethene	mg/L												
	trans-1,3-Dichloropropene	mg/L												
Trichloroethene	mg/L													
Trichlorofluoromethane	mg/L													
Vinyl Chloride	mg/L													

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-5 Ecotex
2019 Compliance Comparison

					March	April							May		
						4/1/2019	4/8/2019	4/15/2019		4/16/2019	4/26/2019	4/29/2019		5/8/2019	5/13/2019
					March	1864	1864	1888	1864	1888	1864	1864	April	1864	1864
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Sample	SMR	Sample	SMR	SMR	Average	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			27401								24570		
	pH	pH Units				10.4	10.6	10.5	10.1		10.3	10.6		10.4	10.2
		°C													
		°F				98		101	102		90	88		93	95
		Gallon													
		mg/L						96							
BTEX	Benzene	mg/L						0.0022 U							
	Ethylbenzene	mg/L						0.0032 U							
	m,p-Xylene	mg/L						0.0084 U							
	o-Xylene	mg/L						0.0026 U							
	Toluene	mg/L						0.0054 U							
Conventionals	BOD	mg/L								199					
	COD	mg/L								537					
	Cyanide, Total	mg/L								0.005 U					
	Total Suspended Solids	mg/L								46.7					
HPAHs	Benzo(a)anthracene	mg/L								0.0013 U					
	Benzo(a)pyrene	mg/L								0.0017 U					
	Benzo(b,k)fluoranthene	mg/L								0.0025 U					
	Benzo(g,h,i)perylene	mg/L								0.0016 U					
	Chrysene	mg/L								0.0013 U					
	Dibenz(a,h)anthracene	mg/L								0.0018 U					
	Fluoranthene	mg/L								0.0008 U					
	Indeno(1,2,3-cd)pyrene	mg/L								0.0017 U					

Table C-5 Ecotex
2019 Compliance Comparison

					March	April							May		
						4/1/2019	4/8/2019	4/15/2019		4/16/2019	4/26/2019	4/29/2019		5/8/2019	5/13/2019
					March	1864	1864	1888	1864	1888	1864	1864	April	1864	1864
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Sample	SMR	Sample	SMR	SMR	Average	SMR	SMR
HPAHs	Pyrene	mg/L								0.0014 U					
LPAHs	Acenaphthene	mg/L								0.0013 U					
	Acenaphthylene	mg/L								0.0013 U					
	Anthracene	mg/L								0.0012 U					
	Fluorene	mg/L								0.0014 U					
	Naphthalene	mg/L								0.0013 U					
	Phenanthrene	mg/L								0.0012 U					
Metals	Arsenic	mg/L								0.00217					
	Cadmium	mg/L								0.00012 U					
	Chromium	mg/L								0.0130					
	Copper	mg/L								0.0508					
	Lead	mg/L								0.00233					
	Mercury	mg/L													
	Molybdenum	mg/L								0.0004 U					
	Nickel	mg/L								0.00798					
	Selenium	mg/L								0.00013 U					

Table C-5 Ecotex
2019 Compliance Comparison

					March	April							May		
						4/1/2019	4/8/2019	4/15/2019		4/16/2019	4/26/2019	4/29/2019		5/8/2019	5/13/2019
					March	1864	1864	1888	1864	1888	1864	1864	April	1864	1864
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Sample	SMR	Sample	SMR	SMR	Average	SMR	SMR
Metals	Silver	mg/L								0.00016 U					
	Zinc	mg/L								0.246					
Phenols	Pentachlorophenol	mg/L								0.0083 U					
	Phenol	mg/L								0.012					
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L								0.073					
	Butyl benzyl phthalate	mg/L								0.0018 U					
	Diethyl phthalate	mg/L								0.0026 U					
	Dimethyl phthalate	mg/L								0.0012 U					
	Di-n-butyl phthalate	mg/L								0.0025 U					
	Di-n-octyl phthalate	mg/L								0.0023 U					
SVOA	1,2,4-Trichlorobenzene	mg/L								0.0016 U					
	1,2-Diphenylhydrazine	mg/L								0.0016 U					
	2,2'-oxybis(1-chloropropane)	mg/L								0.0014 U					
	2,3-Dichloroaniline	mg/L								0.0014 U					
	2,4,6-Trichlorophenol	mg/L								0.0019 U					
	2,4-Dichlorophenol	mg/L								0.0018 U					
	2,4-Dimethylphenol	mg/L								0.0034 U					
	2,4-Dinitrophenol	mg/L								0.037 U					
	2,4-Dinitrotoluene	mg/L								0.0025 U					
	2,6-Dinitrotoluene	mg/L								0.0027 U					
	2-Chloronaphthalene	mg/L								0.0013 U					
	2-Chlorophenol	mg/L								0.0017 U					
	2-Methyl-4,6-dinitrophenol	mg/L								0.003 U					

Table C-5 Ecotex
2019 Compliance Comparison

					March	April							May		
						4/1/2019	4/8/2019	4/15/2019		4/16/2019	4/26/2019	4/29/2019		5/8/2019	5/13/2019
					March	1864	1864	1888	1864	1888	1864	1864	April	1864	1864
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Sample	SMR	Sample	SMR	SMR	Average	SMR	SMR
SVOA	2-Methylphenol (o-Cresol)	mg/L								0.0013 U					
	2-Nitrophenol	mg/L								0.0024 U					
	3 & 4-Methylphenol(p-cresol)	mg/L								0.012					
	3,3'-Dichlorobenzidine	mg/L								0.0015 U					
	4-Bromophenyl phenyl ether	mg/L								0.0015 U					
	4-Chloro-3-Methylphenol	mg/L								0.0018 U					
	4-Chlorophenyl phenyl ether	mg/L								0.0015 U					
	4-Nitrophenol	mg/L								0.0092 U					
	Acetophenone	mg/L								0.0042 U					
	Aniline	mg/L								0.0013 U					
	Benzidine	mg/L								0.023 U					
	Bis(2-chloroethoxy) methane	mg/L								0.0013 U					
	Bis(2-chloroethyl) ether	mg/L								0.0013 U					
	Carbazole	mg/L								0.001 U					
	Hexachlorobenzene	mg/L								0.0014 U					
	Hexachlorobutadiene	mg/L								0.0017 U					
	Hexachlorocyclopentadiene	mg/L								0.0022 U					
	Hexachloroethane	mg/L								0.0017 U					
	Isophorone	mg/L								0.0015 U					
	n-Decane	mg/L								0.0037 U					
Nitrobenzene	mg/L								0.0017 U						
N-Nitrosodimethylamine	mg/L								0.0066 U						
N-Nitroso-di-n-propylamine	mg/L								0.0013 U						

Table C-5 Ecotex
2019 Compliance Comparison

					March	April							May		
						4/1/2019	4/8/2019	4/15/2019		4/16/2019	4/26/2019	4/29/2019		5/8/2019	5/13/2019
					March	1864	1864	1888	1864	1888	1864	1864	April	1864	1864
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Sample	SMR	Sample	SMR	SMR	Average	SMR	SMR
SVOA	N-Nitrosodiphenylamine	mg/L								0.0013 U					
	n-Octadecane	mg/L								0.0026 U					
	Pyridine	mg/L								0.013 U					
TPH	SGT-HEM	mg/L						16.8							
Volatiles	1,1,1-Trichloroethane	mg/L						0.0056 U							
	1,1,2,2-Tetrachloroethane	mg/L						0.004 U							
	1,1,2-Trichloroethane	mg/L						0.003 U							
	1,1-Dichloroethane	mg/L						0.0036 U							
	1,1-Dichloroethene	mg/L						0.005 U							
	1,2-Dichlorobenzene	mg/L						0.0032 U							
	1,2-Dichloroethane	mg/L						0.003 U							
	1,2-Dichloropropane	mg/L						0.0026 U							
	1,3-Dichlorobenzene	mg/L						0.0036 U							
	1,4-Dichlorobenzene	mg/L						0.0038 U							

Table C-5 Ecotex
2019 Compliance Comparison

					March	April							May		
						4/1/2019	4/8/2019	4/15/2019		4/16/2019	4/26/2019	4/29/2019		5/8/2019	5/13/2019
					March	1864	1864	1888	1864	1888	1864	1864	April	1864	1864
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Sample	SMR	Sample	SMR	SMR	Average	SMR	SMR
Volatiles	2-Chloroethyl vinyl ether	mg/L						0.0022 U							
	Acrolein	mg/L						ND J							
	Acrylonitrile	mg/L						0.028 U							
	Bromodichloromethane	mg/L						0.0034 U							
	Bromoform	mg/L						0.003 U							
	Bromomethane	mg/L						0.0076 U							
	Carbon Tetrachloride	mg/L						0.0034 U							
	Chlorobenzene	mg/L						0.0018 U							
	Chloroethane	mg/L						0.0024 U							
	Chloroform	mg/L						0.011							
	Chloromethane	mg/L						0.0048 U							
	cis-1,3-Dichloropropene	mg/L						0.0018 U							
	Dibromochloromethane	mg/L						0.0024 U							
	Methylene Chloride	mg/L						0.0084 U							
	Styrene	mg/L						0.0026 U							
	Tetrachloroethene	mg/L						0.0036 U							
	trans-1,2-Dichloroethene	mg/L						0.0036 U							
	trans-1,3-Dichloropropene	mg/L						0.0024 U							
Trichloroethene	mg/L						0.003 U								
Trichlorofluoromethane	mg/L						0.003 U								
Vinyl Chloride	mg/L						0.003 U								

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
JJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-5 Ecotex
2019 Compliance Comparison

					May			June					July		
					5/20/2019	5/27/2019		6/4/2019	6/12/2019	6/18/2019	6/24/2019		7/1/2019	7/8/2019	7/16/2019
					1864	1864	May	1864	1864	1864	1864	June	1865	1865	1865
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon					23910					22098			
	pH	pH Units			10.7	10.5		10.3	10.1	10.5	10.8		10.6	10.4	10.2
		°C													
		°F			99	97		97	106	106	106		106	97	102
		Gallon													
		mg/L													
BTEX	Benzene	mg/L													
	Ethylbenzene	mg/L													
	m,p-Xylene	mg/L													
	o-Xylene	mg/L													
	Toluene	mg/L													
Conventionals	BOD	mg/L													
	COD	mg/L													
	Cyanide, Total	mg/L													
	Total Suspended Solids	mg/L													
HPAHs	Benzo(a)anthracene	mg/L													
	Benzo(a)pyrene	mg/L													
	Benzo(b,k)fluoranthene	mg/L													
	Benzo(g,h,i)perylene	mg/L													
	Chrysene	mg/L													
	Dibenz(a,h)anthracene	mg/L													
	Fluoranthene	mg/L													
	Indeno(1,2,3-cd)pyrene	mg/L													

Table C-5 Ecotex
2019 Compliance Comparison

					May			June				July			
					5/20/2019	5/27/2019		6/4/2019	6/12/2019	6/18/2019	6/24/2019		7/1/2019	7/8/2019	7/16/2019
					1864	1864	May	1864	1864	1864	1864	June	1865	1865	1865
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR
HPAHs	Pyrene	mg/L													
LPAHs	Acenaphthene	mg/L													
	Acenaphthylene	mg/L													
	Anthracene	mg/L													
	Fluorene	mg/L													
	Naphthalene	mg/L													
Metals	Phenanthrene	mg/L													
	Arsenic	mg/L													
	Cadmium	mg/L													
	Chromium	mg/L													
	Copper	mg/L													
	Lead	mg/L													
	Mercury	mg/L													
	Molybdenum	mg/L													
Nickel	mg/L														
Selenium	mg/L														

Table C-5 Ecotex
2019 Compliance Comparison

					May			June				July			
					5/20/2019	5/27/2019		6/4/2019	6/12/2019	6/18/2019	6/24/2019		7/1/2019	7/8/2019	7/16/2019
					1864	1864	May	1864	1864	1864	1864	June	1865	1865	1865
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR
Metals	Silver	mg/L													
	Zinc	mg/L													
Phenols	Pentachlorophenol	mg/L													
	Phenol	mg/L													
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L													
	Butyl benzyl phthalate	mg/L													
	Diethyl phthalate	mg/L													
	Dimethyl phthalate	mg/L													
	Di-n-butyl phthalate	mg/L													
	Di-n-octyl phthalate	mg/L													
SVOA	1,2,4-Trichlorobenzene	mg/L													
	1,2-Diphenylhydrazine	mg/L													
	2,2'-oxybis(1-chloropropane)	mg/L													
	2,3-Dichloroaniline	mg/L													
	2,4,6-Trichlorophenol	mg/L													
	2,4-Dichlorophenol	mg/L													
	2,4-Dimethylphenol	mg/L													
	2,4-Dinitrophenol	mg/L													
	2,4-Dinitrotoluene	mg/L													
	2,6-Dinitrotoluene	mg/L													
	2-Chloronaphthalene	mg/L													
	2-Chlorophenol	mg/L													
	2-Methyl-4,6-dinitrophenol	mg/L													

Table C-5 Ecotex
2019 Compliance Comparison

					May			June				July				
					5/20/2019	5/27/2019		6/4/2019	6/12/2019	6/18/2019	6/24/2019		7/1/2019	7/8/2019	7/16/2019	
					1864	1864	May	1864	1864	1864	1864	June	1865	1865	1865	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	
SVOA	2-Methylphenol (o-Cresol)	mg/L														
	2-Nitrophenol	mg/L														
	3 & 4-Methylphenol(p-cresol)	mg/L														
	3,3´ -Dichlorobenzidine	mg/L														
	4-Bromophenyl phenyl ether	mg/L														
	4-Chloro-3-Methylphenol	mg/L														
	4-Chlorophenyl phenyl ether	mg/L														
	4-Nitrophenol	mg/L														
	Acetophenone	mg/L														
	Aniline	mg/L														
	Benzidine	mg/L														
	Bis(2-chloroethoxy) methane	mg/L														
	Bis(2-chloroethyl) ether	mg/L														
	Carbazole	mg/L														
	Hexachlorobenzene	mg/L														
	Hexachlorobutadiene	mg/L														
	Hexachlorocyclopentadiene	mg/L														
	Hexachloroethane	mg/L														
	Isophorone	mg/L														
	n-Decane	mg/L														
Nitrobenzene	mg/L															
N-Nitrosodimethylamine	mg/L															
N-Nitroso-di-n-propylamine	mg/L															

Table C-5 Ecotex
2019 Compliance Comparison

					May			June				July			
					5/20/2019	5/27/2019		6/4/2019	6/12/2019	6/18/2019	6/24/2019		7/1/2019	7/8/2019	7/16/2019
					1864	1864	May	1864	1864	1864	1864	June	1865	1865	1865
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR
SVOA	N-Nitrosodiphenylamine	mg/L													
	n-Octadecane	mg/L													
	Pyridine	mg/L													
TPH	SGT-HEM	mg/L													
Volatiles	1,1,1-Trichloroethane	mg/L													
	1,1,2,2-Tetrachloroethane	mg/L													
	1,1,2-Trichloroethane	mg/L													
	1,1-Dichloroethane	mg/L													
	1,1-Dichloroethene	mg/L													
	1,2-Dichlorobenzene	mg/L													
	1,2-Dichloroethane	mg/L													
	1,2-Dichloropropane	mg/L													
	1,3-Dichlorobenzene	mg/L													
1,4-Dichlorobenzene	mg/L														

Table C-5 Ecotex
2019 Compliance Comparison

					May			June				July			
					5/20/2019	5/27/2019		6/4/2019	6/12/2019	6/18/2019	6/24/2019		7/1/2019	7/8/2019	7/16/2019
					1864	1864	May	1864	1864	1864	1864	June	1865	1865	1865
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR
Volatiles	2-Chloroethyl vinyl ether	mg/L													
	Acrolein	mg/L													
	Acrylonitrile	mg/L													
	Bromodichloromethane	mg/L													
	Bromoform	mg/L													
	Bromomethane	mg/L													
	Carbon Tetrachloride	mg/L													
	Chlorobenzene	mg/L													
	Chloroethane	mg/L													
	Chloroform	mg/L													
	Chloromethane	mg/L													
	cis-1,3-Dichloropropene	mg/L													
	Dibromochloromethane	mg/L													
	Methylene Chloride	mg/L													
	Styrene	mg/L													
	Tetrachloroethene	mg/L													
	trans-1,2-Dichloroethene	mg/L													
	trans-1,3-Dichloropropene	mg/L													
Trichloroethene	mg/L														
Trichlorofluoromethane	mg/L														
Vinyl Chloride	mg/L														

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-5 Ecotex
2019 Compliance Comparison

					July					August			
					7/23/2019	7/29/2019	7/30/2019	7/31/2019		8/1/2019	8/5/2019	8/13/2019	8/20/2019
					1865 SMR	1889 Sample	1889 Sample	1865 SMR	July Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR
Category	Parameter	Unit	Daily Limit	Monthly Limit									
Flow, pH, and Temperature	Flow	Gallon							27249				
	pH	pH Units			10.4	10.7		10.4			10.3	10.5	10.6
		°C											
		°F			100	104					102	101	100
		Gallon											
		mg/L						100					
BTEX	Benzene	mg/L				0.0022 U							
	Ethylbenzene	mg/L				0.0032 U							
	m,p-Xylene	mg/L				0.0084 U							
	o-Xylene	mg/L				0.0026 U							
	Toluene	mg/L				0.0054 U							
Conventionals	BOD	mg/L						225					
	COD	mg/L						595					
	Cyanide, Total	mg/L						0.008					
	Total Suspended Solids	mg/L						38.0					
HPAHs	Benzo(a)anthracene	mg/L						0.0012 U					
	Benzo(a)pyrene	mg/L						0.0015 U					
	Benzo(b,k)fluoranthene	mg/L						0.0023 U					
	Benzo(g,h,i)perylene	mg/L						0.0015 U					
	Chrysene	mg/L						0.0012 U					
	Dibenz(a,h)anthracene	mg/L						0.0017 U					
	Fluoranthene	mg/L						0.0008 U					
	Indeno(1,2,3-cd)pyrene	mg/L						0.0016 U					

Table C-5 Ecotex
2019 Compliance Comparison

					July					August			
					7/23/2019	7/29/2019	7/30/2019	7/31/2019		8/1/2019	8/5/2019	8/13/2019	8/20/2019
					1865	1889	1889	1865	July	1865	1865	1865	1865
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	Sample	SMR	Average	SMR	SMR	SMR	SMR
HPAHs	Pyrene	mg/L					0.0013 U						
LPAHs	Acenaphthene	mg/L					0.0013 U						
	Acenaphthylene	mg/L					0.0013 U						
	Anthracene	mg/L					0.0011 U						
	Fluorene	mg/L					0.0013 U						
	Naphthalene	mg/L					0.0013 U						
	Phenanthrene	mg/L					0.0011 U						
Metals	Arsenic	mg/L					0.00126						
	Cadmium	mg/L					0.00012 U						
	Chromium	mg/L					0.0104						
	Copper	mg/L					0.0367						
	Lead	mg/L					0.00175						
	Mercury	mg/L					0.00011 U						
	Molybdenum	mg/L					0.0004 U						
	Nickel	mg/L					0.00668						
Selenium	mg/L					0.00013 U							

Table C-5 Ecotex
2019 Compliance Comparison

					July					August			
					7/23/2019	7/29/2019	7/30/2019	7/31/2019		8/1/2019	8/5/2019	8/13/2019	8/20/2019
					1865	1889	1889	1865	July	1865	1865	1865	1865
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	Sample	SMR	Average	SMR	SMR	SMR	SMR
Metals	Silver	mg/L					0.00016 U						
	Zinc	mg/L					0.273						
Phenols	Pentachlorophenol	mg/L					0.0078 U						
	Phenol	mg/L					0.010						
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L					0.063						
	Butyl benzyl phthalate	mg/L					0.0016 U						
	Diethyl phthalate	mg/L					0.0024 U						
	Dimethyl phthalate	mg/L					0.0011 U						
	Di-n-butyl phthalate	mg/L					0.0023 U						
	Di-n-octyl phthalate	mg/L					0.0021 U						
SVOA	1,2,4-Trichlorobenzene	mg/L					0.0015 U						
	1,2-Diphenylhydrazine	mg/L					0.0015 U						
	2,2'-oxybis(1-chloropropane)	mg/L					0.0013 U						
	2,3-Dichloroaniline	mg/L					0.0013 U						
	2,4,6-Trichlorophenol	mg/L					0.0018 U						
	2,4-Dichlorophenol	mg/L					0.0017 U						
	2,4-Dimethylphenol	mg/L					0.0032 U						
	2,4-Dinitrophenol	mg/L					0.034 U						
	2,4-Dinitrotoluene	mg/L					0.0023 U						
	2,6-Dinitrotoluene	mg/L					0.0025 U						
	2-Chloronaphthalene	mg/L					0.0012 U						
	2-Chlorophenol	mg/L					0.0016 U						
2-Methyl-4,6-dinitrophenol	mg/L					0.0028 U							

Table C-5 Ecotex
2019 Compliance Comparison

					July					August			
					7/23/2019	7/29/2019	7/30/2019	7/31/2019		8/1/2019	8/5/2019	8/13/2019	8/20/2019
					1865 SMR	1889 Sample	1889 Sample	1865 SMR	July Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR
Category	Parameter	Unit	Daily Limit	Monthly Limit									
SVOA	2-Methylphenol (o-Cresol)	mg/L					0.0013 U						
	2-Nitrophenol	mg/L					0.0023 U						
	3 & 4-Methylphenol(p-cresol)	mg/L					0.0085						
	3,3´ -Dichlorobenzidine	mg/L					0.0014 U						
	4-Bromophenyl phenyl ether	mg/L					0.0014 U						
	4-Chloro-3-Methylphenol	mg/L					0.0017 U						
	4-Chlorophenyl phenyl ether	mg/L					0.0014 U						
	4-Nitrophenol	mg/L					0.0086 U						
	Acetophenone	mg/L					0.0039 U						
	Aniline	mg/L					0.0012 U						
	Benzidine	mg/L					0.021 U						
	Bis(2-chloroethoxy) methane	mg/L					0.0013 U						
	Bis(2-chloroethyl) ether	mg/L					0.0013 U						
	Carbazole	mg/L					0.0009 U						
	Hexachlorobenzene	mg/L					0.0013 U						
	Hexachlorobutadiene	mg/L					0.0016 U						
	Hexachlorocyclopentadiene	mg/L					0.002 U						
	Hexachloroethane	mg/L					0.0016 U						
	Isophorone	mg/L					0.0014 U						
	n-Decane	mg/L					0.0034 U						
Nitrobenzene	mg/L					0.0016 U							
N-Nitrosodimethylamine	mg/L					0.0062 U							
N-Nitroso-di-n-propylamine	mg/L					0.0012 U							

Table C-5 Ecotex
2019 Compliance Comparison

					July					August			
					7/23/2019	7/29/2019	7/30/2019	7/31/2019		8/1/2019	8/5/2019	8/13/2019	8/20/2019
					1865 SMR	1889 Sample	1889 Sample	1865 SMR	July Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR
Category	Parameter	Unit	Daily Limit	Monthly Limit									
SVOA	N-Nitrosodiphenylamine	mg/L					0.0012 U						
	n-Octadecane	mg/L					0.0087						
	Pyridine	mg/L					0.012 U						
TPH	SGT-HEM	mg/L				7.3 J							
Volatiles	1,1,1-Trichloroethane	mg/L					0.0056 U						
	1,1,2,2-Tetrachloroethane	mg/L					0.004 U						
	1,1,2-Trichloroethane	mg/L					0.003 U						
	1,1-Dichloroethane	mg/L					0.0036 U						
	1,1-Dichloroethene	mg/L					0.005 U						
	1,2-Dichlorobenzene	mg/L					0.0032 U						
	1,2-Dichloroethane	mg/L					0.003 U						
	1,2-Dichloropropane	mg/L					0.0026 U						
	1,3-Dichlorobenzene	mg/L					0.0036 U						
	1,4-Dichlorobenzene	mg/L					0.0038 U						

Table C-5 Ecotex
2019 Compliance Comparison

					July					August			
					7/23/2019	7/29/2019	7/30/2019	7/31/2019		8/1/2019	8/5/2019	8/13/2019	8/20/2019
					1865	1889	1889	1865	July	1865	1865	1865	1865
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	Sample	SMR	Average	SMR	SMR	SMR	SMR
Volatiles	2-Chloroethyl vinyl ether	mg/L				0.0022 U							
	Acrolein	mg/L				0.03 U							
	Acrylonitrile	mg/L				0.028 U							
	Bromodichloromethane	mg/L				0.0034 U							
	Bromoform	mg/L				0.003 U							
	Bromomethane	mg/L				0.0076 U							
	Carbon Tetrachloride	mg/L				0.0034 U							
	Chlorobenzene	mg/L				0.0018 U							
	Chloroethane	mg/L				0.0024 U							
	Chloroform	mg/L				0.0026 U							
	Chloromethane	mg/L				0.0048 U							
	cis-1,3-Dichloropropene	mg/L				0.0018 U							
	Dibromochloromethane	mg/L				0.0024 U							
	Methylene Chloride	mg/L				0.0084 U							
	Styrene	mg/L				0.0026 U							
	Tetrachloroethene	mg/L				0.0036 U							
	trans-1,2-Dichloroethene	mg/L				0.0036 U							
	trans-1,3-Dichloropropene	mg/L				0.0024 U							
Trichloroethene	mg/L				0.003 U								
Trichlorofluoromethane	mg/L				0.003 U								
Vinyl Chloride	mg/L				0.003 U								

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-5 Ecotex
2019 Compliance Comparison

					August		September			September		October			
					8/27/2019		9/1/2019	9/5/2019	9/10/2019	9/17/2019	9/26/2019		10/2/2019	10/9/2019	
					1865 SMR	August Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR	1865 SMR	September Average	1142 SMR	1142 SMR	October Average
Category	Parameter	Unit	Daily Limit	Monthly Limit											
Flow, pH, and Temperature	Flow	Gallon				26496						21502			54551
	pH	pH Units				9.5			10.3	10.5	10.9	9.7		9.3	7.9
		°C													
		°F				99			94	97	82			82	80
		Gallon										95			
		mg/L													
BTEX	Benzene	mg/L													
	Ethylbenzene	mg/L													
	m,p-Xylene	mg/L													
	o-Xylene	mg/L													
	Toluene	mg/L													
Conventionals	BOD	mg/L													
	COD	mg/L													
	Cyanide, Total	mg/L													
	Total Suspended Solids	mg/L													
HPAHs	Benzo(a)anthracene	mg/L													
	Benzo(a)pyrene	mg/L													
	Benzo(b,k)fluoranthene	mg/L													
	Benzo(g,h,i)perylene	mg/L													
	Chrysene	mg/L													
	Dibenz(a,h)anthracene	mg/L													
	Fluoranthene	mg/L													
	Indeno(1,2,3-cd)pyrene	mg/L													

Table C-5 Ecotex
2019 Compliance Comparison

					August		September			September			October		
					8/27/2019		9/1/2019	9/5/2019	9/10/2019	9/17/2019	9/26/2019		10/2/2019	10/9/2019	
					1865 SMR	August Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR	1865 SMR	September Average	1142 SMR	1142 SMR	October Average
Category	Parameter	Unit	Daily Limit	Monthly Limit											
HPAHs	Pyrene	mg/L													
LPAHs	Acenaphthene	mg/L													
	Acenaphthylene	mg/L													
	Anthracene	mg/L													
	Fluorene	mg/L													
	Naphthalene	mg/L													
	Phenanthrene	mg/L													
Metals	Arsenic	mg/L													
	Cadmium	mg/L													
	Chromium	mg/L													
	Copper	mg/L													
	Lead	mg/L													
	Mercury	mg/L													
	Molybdenum	mg/L													
	Nickel	mg/L													
Selenium	mg/L														

Table C-5 Ecotex
2019 Compliance Comparison

					August		September			September			October		
					8/27/2019		9/1/2019	9/5/2019	9/10/2019	9/17/2019	9/26/2019		10/2/2019	10/9/2019	
					1865 SMR	August Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR	1865 SMR	September Average	1142 SMR	1142 SMR	October Average
Category	Parameter	Unit	Daily Limit	Monthly Limit											
Metals	Silver	mg/L													
	Zinc	mg/L													
Phenols	Pentachlorophenol	mg/L													
	Phenol	mg/L													
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L													
	Butyl benzyl phthalate	mg/L													
	Diethyl phthalate	mg/L													
	Dimethyl phthalate	mg/L													
	Di-n-butyl phthalate	mg/L													
	Di-n-octyl phthalate	mg/L													
SVOA	1,2,4-Trichlorobenzene	mg/L													
	1,2-Diphenylhydrazine	mg/L													
	2,2'-oxybis(1-chloropropane)	mg/L													
	2,3-Dichloroaniline	mg/L													
	2,4,6-Trichlorophenol	mg/L													
	2,4-Dichlorophenol	mg/L													
	2,4-Dimethylphenol	mg/L													
	2,4-Dinitrophenol	mg/L													
	2,4-Dinitrotoluene	mg/L													
	2,6-Dinitrotoluene	mg/L													
	2-Chloronaphthalene	mg/L													
	2-Chlorophenol	mg/L													
	2-Methyl-4,6-dinitrophenol	mg/L													

Table C-5 Ecotex
2019 Compliance Comparison

					August		September			September			October		
					8/27/2019		9/1/2019	9/5/2019	9/10/2019	9/17/2019	9/26/2019		10/2/2019	10/9/2019	
					1865 SMR	August Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR	1865 SMR	September Average	1142 SMR	1142 SMR	October Average
Category	Parameter	Unit	Daily Limit	Monthly Limit											
SVOA	2-Methylphenol (o-Cresol)	mg/L													
	2-Nitrophenol	mg/L													
	3 & 4-Methylphenol(p-cresol)	mg/L													
	3,3´ -Dichlorobenzidine	mg/L													
	4-Bromophenyl phenyl ether	mg/L													
	4-Chloro-3-Methylphenol	mg/L													
	4-Chlorophenyl phenyl ether	mg/L													
	4-Nitrophenol	mg/L													
	Acetophenone	mg/L													
	Aniline	mg/L													
	Benzidine	mg/L													
	Bis(2-chloroethoxy) methane	mg/L													
	Bis(2-chloroethyl) ether	mg/L													
	Carbazole	mg/L													
	Hexachlorobenzene	mg/L													
	Hexachlorobutadiene	mg/L													
	Hexachlorocyclopentadiene	mg/L													
	Hexachloroethane	mg/L													
	Isophorone	mg/L													
	n-Decane	mg/L													
Nitrobenzene	mg/L														
N-Nitrosodimethylamine	mg/L														
N-Nitroso-di-n-propylamine	mg/L														

Table C-5 Ecotex
2019 Compliance Comparison

					August		September			September			October		
					8/27/2019		9/1/2019	9/5/2019	9/10/2019	9/17/2019	9/26/2019		10/2/2019	10/9/2019	
					1865 SMR	August Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR	1865 SMR	September Average	1142 SMR	1142 SMR	October Average
Category	Parameter	Unit	Daily Limit	Monthly Limit											
SVOA	N-Nitrosodiphenylamine	mg/L													
	n-Octadecane	mg/L													
	Pyridine	mg/L													
TPH	SGT-HEM	mg/L													
Volatiles	1,1,1-Trichloroethane	mg/L													
	1,1,2,2-Tetrachloroethane	mg/L													
	1,1,2-Trichloroethane	mg/L													
	1,1-Dichloroethane	mg/L													
	1,1-Dichloroethene	mg/L													
	1,2-Dichlorobenzene	mg/L													
	1,2-Dichloroethane	mg/L													
	1,2-Dichloropropane	mg/L													
	1,3-Dichlorobenzene	mg/L													
1,4-Dichlorobenzene	mg/L														

Table C-5 Ecotex
2019 Compliance Comparison

					August		September			September			October		
					8/27/2019		9/1/2019	9/5/2019	9/10/2019	9/17/2019	9/26/2019		10/2/2019	10/9/2019	
					1865 SMR	August Average	1865 SMR	1865 SMR	1865 SMR	1865 SMR	1865 SMR	September Average	1142 SMR	1142 SMR	October Average
Category	Parameter	Unit	Daily Limit	Monthly Limit											
Volatiles	2-Chloroethyl vinyl ether	mg/L													
	Acrolein	mg/L													
	Acrylonitrile	mg/L													
	Bromodichloromethane	mg/L													
	Bromoform	mg/L													
	Bromomethane	mg/L													
	Carbon Tetrachloride	mg/L													
	Chlorobenzene	mg/L													
	Chloroethane	mg/L													
	Chloroform	mg/L													
	Chloromethane	mg/L													
	cis-1,3-Dichloropropene	mg/L													
	Dibromochloromethane	mg/L													
	Methylene Chloride	mg/L													
	Styrene	mg/L													
	Tetrachloroethene	mg/L													
	trans-1,2-Dichloroethene	mg/L													
	trans-1,3-Dichloropropene	mg/L													
Trichloroethene	mg/L														
Trichlorofluoromethane	mg/L														
Vinyl Chloride	mg/L														

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

C- 6 Edman Company
2019 Compliance Comparison

					January		February		March		April	
					1/8/2019		2/1/2019		3/28/2019		4/1/2019	
					2496	January	2497	February	2498	March	2499	April
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon				24684		24546		11752		13980
	pH	pH Units			7.57		7.85		6.8			
	Temperature	°F	100									
BTEX	Benzene	mg/L										
	Ethylbenzene	mg/L										
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										
	Toluene	mg/L										
Conventionals	Cyanide, Total	mg/L	0.64									
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L										
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Arsenic	mg/L	0.1									
	Cadmium	mg/L	0.25									
	Chromium	mg/L	1									
	Copper	mg/L	1			0.006 U		0.006 U		0.006 U		
	Lead	mg/L	0.4									
	Mercury	mg/L	0.05									
	Molybdenum	mg/L	1									
	Nickel	mg/L	1									
	Selenium	mg/L	0.1									
	Silver	mg/L	0.2									
Zinc	mg/L	2			0.061		0.044		0.01			

C- 6 Edman Company
2019 Compliance Comparison

					January		February		March		April	
					1/8/2019		2/1/2019		3/28/2019		4/1/2019	
					2496	January	2497	February	2498	March	2499	April
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Average
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L										
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L										
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L										
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L										
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
	Acetophenone	mg/L										
Aniline	mg/L											
Benzidine	mg/L											
Bis(2-chloroethoxy) methane	mg/L											
Bis(2-chloroethyl) ether	mg/L											

C- 6 Edman Company
2019 Compliance Comparison

					January		February		March		April	
					1/8/2019		2/1/2019		3/28/2019		4/1/2019	
					2496	January	2497	February	2498	March	2499	April
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Average
SVOA	Carbazole	mg/L										
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L										
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L										
	Pyridine	mg/L										
TPH	SGT-HEM	mg/L	50		5 U		5 U		5 U			
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Butanone	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acetone	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
	Carbon Tetrachloride	mg/L										
	Chlorobenzene	mg/L										
Chloroethane	mg/L											
Chloroform	mg/L											
Chloromethane	mg/L											
cis-1,3-Dichloropropene	mg/L											

C- 6 Edman Company
2019 Compliance Comparison

					January		February		March		April	
					1/8/2019		2/1/2019		3/28/2019		4/1/2019	
					2496	January	2497	February	2498	March	2499	April
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Average
Volatiles	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Vinyl Chloride	mg/L										

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

C- 6 Edman Company
2019 Compliance Comparison

					May		June			July		
					5/15/2019		6/24/2019	6/25/2019		7/3/2019		
					2500	May	3017	2501	3017	June	2502	July
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	Sample	SMR	Sample	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon				6138				4234		5132
	pH	pH Units			8.59		8.47	9.67			8.09	
	Temperature	°F	100				63.0					
BTEX	Benzene	mg/L					0.0022 U					
	Ethylbenzene	mg/L					0.0032 U					
	m,p-Xylene	mg/L					0.0084 U					
	o-Xylene	mg/L					0.0026 U					
	Toluene	mg/L					0.0054 U					
Conventionals	Cyanide, Total	mg/L	0.64						0.005 U			
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L										
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Arsenic	mg/L	0.1						0.00751			
	Cadmium	mg/L	0.25						0.000255			
	Chromium	mg/L	1						0.00552			
	Copper	mg/L	1			0.162		0.027	0.0317		0.025	
	Lead	mg/L	0.4						0.00302			
	Mercury	mg/L	0.05						0.000052			
	Molybdenum	mg/L	1						0.00199			
	Nickel	mg/L	1						0.00434			
	Selenium	mg/L	0.1						0.000198			
	Silver	mg/L	0.2						0.00016 U			
Zinc	mg/L	2			0.243		0.069	0.0644		0.096		

C- 6 Edman Company
2019 Compliance Comparison

					May		June			July		
					5/15/2019		6/24/2019	6/25/2019		7/3/2019		
					2500	May	3017	2501	3017	June	2502	July
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	Sample	SMR	Sample	Average	SMR	Average
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L										
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L										
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L										
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L										
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
	Acetophenone	mg/L										
Aniline	mg/L											
Benzidine	mg/L											
Bis(2-chloroethoxy) methane	mg/L											
Bis(2-chloroethyl) ether	mg/L											

C- 6 Edman Company
2019 Compliance Comparison

					May		June			July		
					5/15/2019		6/24/2019	6/25/2019		7/3/2019		
					2500	May	3017	2501	3017	June	2502	July
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	Sample	SMR	Sample	Average	SMR	Average
SVOA	Carbazole	mg/L										
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L										
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L										
	Pyridine	mg/L										
TPH	SGT-HEM	mg/L	50		5 U		2 U	5 U			5 U	
Volatiles	1,1,1-Trichloroethane	mg/L						0.0056 U				
	1,1,2,2-Tetrachloroethane	mg/L						0.004 U				
	1,1,2-Trichloroethane	mg/L						0.003 U				
	1,1-Dichloroethane	mg/L						0.0036 U				
	1,1-Dichloroethene	mg/L						0.005 U				
	1,2-Dichlorobenzene	mg/L						0.0032 U				
	1,2-Dichloroethane	mg/L						0.003 U				
	1,2-Dichloropropane	mg/L						0.0026 U				
	1,3-Dichlorobenzene	mg/L						0.0036 U				
	1,4-Dichlorobenzene	mg/L						0.0038 U				
	2-Butanone	mg/L						0.015 U				
	2-Chloroethyl vinyl ether	mg/L						0.0022 U				
	Acetone	mg/L						0.0098 U				
	Acrolein	mg/L						0.03 U				
	Acrylonitrile	mg/L						0.028 U				
	Bromodichloromethane	mg/L						0.0034 U				
	Bromoform	mg/L						0.003 U				
	Bromomethane	mg/L						0.0076 U				
	Carbon Tetrachloride	mg/L						0.0034 U				
	Chlorobenzene	mg/L						0.0018 U				
Chloroethane	mg/L						0.0024 U					
Chloroform	mg/L						0.0026 U					
Chloromethane	mg/L						0.0048 U					
cis-1,3-Dichloropropene	mg/L						0.0018 U					

C- 6 Edman Company
2019 Compliance Comparison

					May		June			July		
					5/15/2019		6/24/2019	6/25/2019		7/3/2019		
					2500	May	3017	2501	3017	June	2502	July
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	Sample	SMR	Sample	Average	SMR	Average
Volatiles	Dibromochloromethane	mg/L					0.0024 U					
	Methylene Chloride	mg/L					0.0084 U					
	Tetrachloroethene	mg/L					0.0036 U					
	trans-1,2-Dichloroethene	mg/L					0.0036 U					
	trans-1,3-Dichloropropene	mg/L					0.0024 U					
	Trichloroethene	mg/L					0.003 U					
	Vinyl Chloride	mg/L					0.003 U					

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

C- 6 Edman Company
2019 Compliance Comparison

					August		September		October			
					8/1/2019		9/17/2019		10/18/2019	10/21/2019	10/22/2019	
					2503	August	2504	September	2505	3018	3018	October
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	Sample	Sample	Average
Flow, pH, and Temperature	Flow	Gallon				0		7609				19040
	pH	pH Units					7.04		5.7		7.48	
	Temperature	°F	100								58.5	
BTEX	Benzene	mg/L									0.004 U	
	Ethylbenzene	mg/L									0.004 U	
	m,p-Xylene	mg/L									0.0084 U	
	o-Xylene	mg/L									0.004 U	
	Toluene	mg/L									0.004 U	
Conventionals	Cyanide, Total	mg/L	0.64							0.005 U		
HPAHs	Benzo(a)anthracene	mg/L								0.0011 U		
	Benzo(a)pyrene	mg/L								0.0014 U		
	Benzo(b,k)fluoranthene	mg/L								0.0022 U		
	Benzo(g,h,i)perylene	mg/L								0.0014 U		
	Chrysene	mg/L								0.0011 U		
	Dibenz(a,h)anthracene	mg/L								0.0016 U		
	Fluoranthene	mg/L								0.0007 U		
	Indeno(1,2,3-cd)pyrene	mg/L								0.0014 U		
LPAHs	Pyrene	mg/L								0.0012 U		
	Acenaphthene	mg/L								0.0012 U		
	Acenaphthylene	mg/L								0.0012 U		
	Anthracene	mg/L								0.001 U		
	Fluorene	mg/L								0.0012 U		
	Naphthalene	mg/L								0.0012 U		
Metals	Phenanthrene	mg/L								0.001 U		
	Arsenic	mg/L	0.1							0.00221		
	Cadmium	mg/L	0.25							ND U		
	Chromium	mg/L	1							0.0023 U		
	Copper	mg/L	1					0.006 U	0.024	0.00206		
	Lead	mg/L	0.4							0.000334		
	Mercury	mg/L	0.05							2E-05 U		
	Molybdenum	mg/L	1							0.0004 U		
	Nickel	mg/L	1							0.00105		
	Selenium	mg/L	0.1							0.00013 U		
	Silver	mg/L	0.2							0.00016 U		
Zinc	mg/L	2					0.076	0.102	0.0161			

C- 6 Edman Company
2019 Compliance Comparison

					August		September		October			
					8/1/2019		9/17/2019		10/18/2019	10/21/2019	10/22/2019	
					2503	August	2504	September	2505	3018	3018	October
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	Sample	Sample	Average
Phenols	Pentachlorophenol	mg/L								0.0072 U		
	Phenol	mg/L								0.002 U		
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L								0.0012 U		
	Butyl benzyl phthalate	mg/L								0.0015 U		
	Diethyl phthalate	mg/L								0.0022 U		
	Dimethyl phthalate	mg/L								0.001 U		
	Di-n-butyl phthalate	mg/L								0.0022 U		
	Di-n-octyl phthalate	mg/L								0.002 U		
SVOA	1,2,4-Trichlorobenzene	mg/L								0.0014 U		
	1,2-Diphenylhydrazine	mg/L								0.0014 U		
	2,2'-oxybis(1-chloropropane)	mg/L								0.0012 U		
	2,3-Dichloroaniline	mg/L								0.0012 U		
	2,4,6-Trichlorophenol	mg/L								0.0017 U		
	2,4-Dichlorophenol	mg/L								0.0016 U		
	2,4-Dimethylphenol	mg/L								0.003 U		
	2,4-Dinitrophenol	mg/L								0.032 U		
	2,4-Dinitrotoluene	mg/L								0.0022 U		
	2,6-Dinitrotoluene	mg/L								0.0023 U		
	2-Chloronaphthalene	mg/L								0.0011 U		
	2-Chlorophenol	mg/L								0.0014 U		
	2-Methyl-4,6-dinitrophenol	mg/L								0.0026 U		
	2-Methylphenol (o-Cresol)	mg/L								0.0012 U		
	2-Nitrophenol	mg/L								0.0021 U		
	3 & 4-Methylphenol(p-cresol)	mg/L								0.0009 U		
	3,3'-Dichlorobenzidine	mg/L								0.0013 U		
	4-Bromophenyl phenyl ether	mg/L								0.0013 U		
	4-Chloro-3-Methylphenol	mg/L								0.0016 U		
	4-Chlorophenyl phenyl ether	mg/L								0.0013 U		
	4-Nitrophenol	mg/L								0.008 U		
	Acetophenone	mg/L								0.0036 U		
	Aniline	mg/L								0.0011 U		
Benzidine	mg/L								0.02 U			
Bis(2-chloroethoxy) methane	mg/L								0.0012 U			
Bis(2-chloroethyl) ether	mg/L								0.0012 U			

C- 6 Edman Company
2019 Compliance Comparison

					August		September		October			
					8/1/2019		9/17/2019		10/18/2019	10/21/2019	10/22/2019	
					2503	August	2504	September	2505	3018	3018	October
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	Sample	Sample	Average
SVOA	Carbazole	mg/L								0.0009 U		
	Hexachlorobenzene	mg/L								0.0012 U		
	Hexachlorobutadiene	mg/L								0.0014 U		
	Hexachlorocyclopentadiene	mg/L								0.0019 U		
	Hexachloroethane	mg/L								0.0014 U		
	Isophorone	mg/L								0.0013 U		
	n-Decane	mg/L								0.0032 U		
	Nitrobenzene	mg/L								0.0014 U		
	N-Nitrosodimethylamine	mg/L								0.0057 U		
	N-Nitroso-di-n-propylamine	mg/L								0.0011 U		
	N-Nitrosodiphenylamine	mg/L								0.0011 U		
	n-Octadecane	mg/L								0.0022 U		
	Pyridine	mg/L								0.011 U		
TPH	SGT-HEM	mg/L	50				5 U		5 U		6.9 J	
Volatiles	1,1,1-Trichloroethane	mg/L									0.002 U	
	1,1,2,2-Tetrachloroethane	mg/L									0.004 U	
	1,1,2-Trichloroethane	mg/L									0.01 U	
	1,1-Dichloroethane	mg/L									0.002 U	
	1,1-Dichloroethene	mg/L									0.004 U	
	1,2-Dichlorobenzene	mg/L									0.004 U	
	1,2-Dichloroethane	mg/L									0.004 U	
	1,2-Dichloropropane	mg/L									0.002 U	
	1,3-Dichlorobenzene	mg/L									0.004 U	
	1,4-Dichlorobenzene	mg/L									0.004 U	
	2-Butanone	mg/L										
	2-Chloroethyl vinyl ether	mg/L									0.0022 U	
	Acetone	mg/L										
	Acrolein	mg/L									0.021 U	
	Acrylonitrile	mg/L									0.028 U	
	Bromodichloromethane	mg/L									0.004 U	
	Bromoform	mg/L									0.004 U	
	Bromomethane	mg/L									0.01 U	
	Carbon Tetrachloride	mg/L									0.004 U	
	Chlorobenzene	mg/L									0.004 U	
Chloroethane	mg/L									0.006 U		
Chloroform	mg/L									0.004 U		
Chloromethane	mg/L									0.004 U		
cis-1,3-Dichloropropene	mg/L									0.004 U		

C- 6 Edman Company
2019 Compliance Comparison

					August		September		October			
					8/1/2019		9/17/2019		10/18/2019	10/21/2019	10/22/2019	
					2503	August	2504	September	2505	3018	3018	October
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	Sample	Sample	Average
Volatiles	Dibromochloromethane	mg/L										0.004 U
	Methylene Chloride	mg/L										0.006 U
	Tetrachloroethene	mg/L										0.004 U
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										0.004 U
	Trichloroethene	mg/L										0.004 U
	Vinyl Chloride	mg/L										0.004 U

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C- 6 Edman Company
2019 Compliance Comparison

					November		December	
					11/19/2019		12/10/2019	
					2506	November	2507	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon				9321		37443
	pH	pH Units			6.44		6.33	
	Temperature	°F	100					
BTEX	Benzene	mg/L						
	Ethylbenzene	mg/L						
	m,p-Xylene	mg/L						
	o-Xylene	mg/L						
	Toluene	mg/L						
Conventionals	Cyanide, Total	mg/L	0.64					
HPAHs	Benzo(a)anthracene	mg/L						
	Benzo(a)pyrene	mg/L						
	Benzo(b,k)fluoranthene	mg/L						
	Benzo(g,h,i)perylene	mg/L						
	Chrysene	mg/L						
	Dibenz(a,h)anthracene	mg/L						
	Fluoranthene	mg/L						
	Indeno(1,2,3-cd)pyrene	mg/L						
LPAHs	Pyrene	mg/L						
	Acenaphthene	mg/L						
	Acenaphthylene	mg/L						
	Anthracene	mg/L						
	Fluorene	mg/L						
	Naphthalene	mg/L						
Metals	Phenanthrene	mg/L						
	Arsenic	mg/L	0.1					
	Cadmium	mg/L	0.25					
	Chromium	mg/L	1					
	Copper	mg/L	1		0.006 U		0.006 U	
	Lead	mg/L	0.4					
	Mercury	mg/L	0.05					
	Molybdenum	mg/L	1					
	Nickel	mg/L	1					
	Selenium	mg/L	0.1					
	Silver	mg/L	0.2					
Zinc	mg/L	2		0.078		0.059		

C- 6 Edman Company
2019 Compliance Comparison

					November		December	
					11/19/2019		12/10/2019	
					2506	November	2507	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average
Phenols	Pentachlorophenol	mg/L						
	Phenol	mg/L						
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L						
	Butyl benzyl phthalate	mg/L						
	Diethyl phthalate	mg/L						
	Dimethyl phthalate	mg/L						
	Di-n-butyl phthalate	mg/L						
	Di-n-octyl phthalate	mg/L						
SVOA	1,2,4-Trichlorobenzene	mg/L						
	1,2-Diphenylhydrazine	mg/L						
	2,2'-oxybis(1-chloropropane)	mg/L						
	2,3-Dichloroaniline	mg/L						
	2,4,6-Trichlorophenol	mg/L						
	2,4-Dichlorophenol	mg/L						
	2,4-Dimethylphenol	mg/L						
	2,4-Dinitrophenol	mg/L						
	2,4-Dinitrotoluene	mg/L						
	2,6-Dinitrotoluene	mg/L						
	2-Chloronaphthalene	mg/L						
	2-Chlorophenol	mg/L						
	2-Methyl-4,6-dinitrophenol	mg/L						
	2-Methylphenol (o-Cresol)	mg/L						
	2-Nitrophenol	mg/L						
	3 & 4-Methylphenol(p-cresol)	mg/L						
	3,3'-Dichlorobenzidine	mg/L						
	4-Bromophenyl phenyl ether	mg/L						
	4-Chloro-3-Methylphenol	mg/L						
	4-Chlorophenyl phenyl ether	mg/L						
	4-Nitrophenol	mg/L						
	Acetophenone	mg/L						
Aniline	mg/L							
Benzidine	mg/L							
Bis(2-chloroethoxy) methane	mg/L							
Bis(2-chloroethyl) ether	mg/L							

C- 6 Edman Company
2019 Compliance Comparison

					November		December	
					11/19/2019		12/10/2019	
					2506	November	2507	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average
SVOA	Carbazole	mg/L						
	Hexachlorobenzene	mg/L						
	Hexachlorobutadiene	mg/L						
	Hexachlorocyclopentadiene	mg/L						
	Hexachloroethane	mg/L						
	Isophorone	mg/L						
	n-Decane	mg/L						
	Nitrobenzene	mg/L						
	N-Nitrosodimethylamine	mg/L						
	N-Nitroso-di-n-propylamine	mg/L						
	N-Nitrosodiphenylamine	mg/L						
	n-Octadecane	mg/L						
	Pyridine	mg/L						
TPH	SGT-HEM	mg/L	50		5 U		5 U	
Volatiles	1,1,1-Trichloroethane	mg/L						
	1,1,2,2-Tetrachloroethane	mg/L						
	1,1,2-Trichloroethane	mg/L						
	1,1-Dichloroethane	mg/L						
	1,1-Dichloroethene	mg/L						
	1,2-Dichlorobenzene	mg/L						
	1,2-Dichloroethane	mg/L						
	1,2-Dichloropropane	mg/L						
	1,3-Dichlorobenzene	mg/L						
	1,4-Dichlorobenzene	mg/L						
	2-Butanone	mg/L						
	2-Chloroethyl vinyl ether	mg/L						
	Acetone	mg/L						
	Acrolein	mg/L						
	Acrylonitrile	mg/L						
	Bromodichloromethane	mg/L						
	Bromoform	mg/L						
	Bromomethane	mg/L						
	Carbon Tetrachloride	mg/L						
	Chlorobenzene	mg/L						
Chloroethane	mg/L							
Chloroform	mg/L							
Chloromethane	mg/L							
cis-1,3-Dichloropropene	mg/L							

C- 6 Edman Company
2019 Compliance Comparison

					November		December	
					11/19/2019		12/10/2019	
					2506	November	2507	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average
Volatiles	Dibromochloromethane	mg/L						
	Methylene Chloride	mg/L						
	Tetrachloroethene	mg/L						
	trans-1,2-Dichloroethene	mg/L						
	trans-1,3-Dichloropropene	mg/L						
	Trichloroethene	mg/L						
	Vinyl Chloride	mg/L						

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-7 Emerald Services
2019 Compliance Comparison

				January	February		April		September	October		December
				1/7/2019	2/1/2019	2/13/2019	4/9/2019	4/16/2019	9/19/2019	10/1/2019	10/21/2019	12/13/2019
				2018	2019	2019	2021	2078	2027	2079	2027	2029
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon		16,673	20,000	20,000	20,000		20,000		16,112	16,792
	pH	pH Units		7.1	6.7	6.2	5.91	7.65	6.33	6.25	6.25	7.45
	Temperature	°F	100					57.6		62.2		
BTEX	Benzene	mg/L	0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.0022 U	0.05 U	0.0022 U	0.05 U	0.05 U
	BTEX	mg/L	10	0.25 U	0.324	0.25 U	0.25 U		0.25 U		0.25 U	0.25 U
	Ethylbenzene	mg/L		0.05 U	0.05 U	0.05 U	0.05 U	0.0032 U	0.05 U	0.0032 U	0.05 U	0.05 U
	m,p-Xylene	mg/L		.05 U	.05 U	.05 U	.05 U	0.0084 U	0.1 U	0.0084 U	0.1 U	.05 U
	o-Xylene	mg/L		.05 U	.05 U	.05 U	.05 U	0.0026 U		0.0026 U		0.05 U
	Toluene	mg/L		0.05 U	.124	0.05 U	0.05 U	0.0054 U	0.05 U	0.0054 U	0.05 U	0.05 U
Conventionals	Cyanide, Free (amenable)	mg/L		0.01 U	0.01 U	0.01 U	0.01 U		0.01 U		0.01 U	0.01 U
	Cyanide, Total	mg/L	0.64	0.01 U	0.01 U	0.01 U	0.01 U	0.005 U	0.01 U	0.025 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L						0.0012 U		0.0012 U		
	Benzo(a)pyrene	mg/L						0.0016 U		0.0016 U		
	Benzo(b,k)fluoranthene	mg/L						0.0024 U		0.0024 U		
	Benzo(g,h,i)perylene	mg/L						0.0015 U		0.0015 U		
	Chrysene	mg/L						0.0012 U		0.0012 U		
	Dibenz(a,h)anthracene	mg/L						0.0017 U		0.0017 U		
	Fluoranthene	mg/L						0.0008 U		0.0008 U		
	Indeno(1,2,3-cd)pyrene	mg/L						0.0016 U		0.0016 U		
LPAHs	Pyrene	mg/L						0.0013 U		0.0013 U		
	Acenaphthene	mg/L						0.0013 U		0.0013 U		
	Acenaphthylene	mg/L						0.0013 U		0.0013 U		
	Anthracene	mg/L						0.0011 U		0.0011 U		
	Fluorene	mg/L						0.0013 U		0.0013 U		
	Naphthalene	mg/L		0.01 U	0.01 U	0.01 U	0.01 U	0.0013 U	0.01 U	0.0013 U	0.01 U	0.01 U
Metals	Phenanthrene	mg/L						0.0011 U		0.0011 U		
	Antimony	mg/L						0.00136		0.00524		
	Arsenic	mg/L	0.1	0.025 U	0.025 U	0.025 U	0.025 U	0.0001 U	0.025 U	0.00147	0.025 U	0.025 U
	Barium	mg/L						0.0363		0.159		
	Beryllium	mg/L						0.0001 U		0.0001 U		
	Cadmium	mg/L	0.25	0.003 U	0.003 U	0.003 U	0.003 U	0.00012 U	0.003 U	0.00012 U	0.003 U	0.003 U
	Chromium	mg/L	1	0.007 U	0.007 U	0.007 U	0.007 U	0.0023 U	0.007 U	0.00324	0.007 U	0.007 U
	Cobalt	mg/L						0.00012 U		0.0158		
	Copper	mg/L	1	0.006 U	0.027	0.027	0.006 U	0.00346	0.006 U	0.0209	0.043	0.021
	Lead	mg/L	0.4	0.025 U	0.057	0.057	0.025 U	0.0001 U	0.03	0.0309	0.273	0.039
	Mercury	mg/L	0.05	0.0005 U	0.0005 U	0.0005 U	0.0005 U	2E-05 U	0.0005 U	2E-05 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1	0.007	0.005 U	0.005 U	0.005 U	0.00184	0.005 U	0.00783	0.016	0.005 U
Nickel	mg/L	1	0.015 U	0.015 U	0.015 U	0.015 U	0.00276	0.068	0.0370	0.033	0.061	
Selenium	mg/L	0.1	0.025 U	0.025 U	0.025 U	0.025 U	0.00013 U	0.025 U	0.00013 U	0.025 U	0.025 U	

C-7 Emerald Services
2019 Compliance Comparison

				January	February		April		September	October		December	
				1/7/2019	2/1/2019	2/13/2019	4/9/2019	4/16/2019	9/19/2019	10/1/2019	10/21/2019	12/13/2019	
				2018	2019	2019	2021	2078	2027	2079	2027	2029	
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR	SMR	
Metals	Silver	mg/L	0.2	0.007 U	0.007 U	0.007 U	0.007 U	0.00016 U	0.007 U	0.00016 U	0.007 U	0.007 U	
	Thallium	mg/L						0.00025 U		0.001 U			
	Tin	mg/L						0.00109 U		0.0118			
	Titanium	mg/L						0.00210		0.0422			
	Vanadium	mg/L						0.00017 U		0.000366			
	Zinc	mg/L	2	0.623	1.02	1.02	0.079	0.0593	0.903	0.880	1.12	0.609	
Other	TTO Emerald	mg/L		1.28 U	1.26 U	0.932 U	1.26 U		0.81 U		0.998	1.26 U	
PCBs	Aroclor-1016	mg/L						1E-05 U		1E-05 U			
		ug/L		0.1 U								0.5 U	
	Aroclor-1221	mg/L							4E-05 U		3E-05 U		
		ug/L		0.1 U									0.5 U
	Aroclor-1232	mg/L							1E-05 U		1E-05 U		
		ug/L		0.1 U									0.5 U
	Aroclor-1242	mg/L							1E-05 U		1E-05 U		
		ug/L		0.1 U									0.5 U
	Aroclor-1248	mg/L							1E-05 U		1E-05 U		
		ug/L		0.1 U									0.5 U
	Aroclor-1254	mg/L							2E-05 U		2E-05 U		
ug/L			0.1 U									0.5 U	
Aroclor-1260	mg/L							2E-05 U		2E-05 U			
	ug/L		0.1 U									0.5 U	
PCBs	mg/L	0.007	0.0007 U	0	0	0		0		0	0.0035 U		
Phenols	Pentachlorophenol	mg/L		0.05 U	0.05 U	0.05 U	0.05 U	0.0079 U	0.05 U	0.0079 U	0.05 U	0.05 U	
	Phenol	mg/L		0.05 U	0.05 U	0.05 U	0.05 U	0.0021 U	0.05 U	0.011 U	0.05 U	0.05 U	
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L						0.0013 U		0.0013 U			
	Butyl benzyl phthalate	mg/L						0.0017 U		0.0017 U			
	Diethyl phthalate	mg/L						0.0024 U		0.0025 U			
	Dimethyl phthalate	mg/L						0.0011 U		0.025			
	Di-n-butyl phthalate	mg/L						0.0024 U		0.0024 U			
	Di-n-octyl phthalate	mg/L						0.0021 U		0.0021 U			
SVOA	1,2,4-Trichlorobenzene	mg/L						0.0015 U		0.0015 U			
	1,2-Diphenylhydrazine	mg/L						0.0015 U		0.0015 U			
	2,2'-oxybis(1-chloropropane)	mg/L						0.0013 U		0.0013 U			
	2,3-Dichloroaniline	mg/L						0.0013 U		0.0013 U			
	2,4,6-Trichlorophenol	mg/L						0.0018 U		0.0018 U			
	2,4-Dichlorophenol	mg/L						0.0017 U		0.0017 U			
	2,4-Dimethylphenol	mg/L						0.0032 U		0.0033 U			

C-7 Emerald Services
2019 Compliance Comparison

				January	February		April		September	October		December	
				1/7/2019	2/1/2019	2/13/2019	4/9/2019	4/16/2019	9/19/2019	10/1/2019	10/21/2019	12/13/2019	
				2018	2019	2019	2021	2078	2027	2079	2027	2029	
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR	SMR	
SVOA	2,4-Dinitrophenol	mg/L						0.035 U		0.035 U			
	2,4-Dinitrotoluene	mg/L						0.0024 U		0.0024 U			
	2,6-Dinitrotoluene	mg/L						0.0025 U		0.0025 U			
	2-Chloronaphthalene	mg/L						0.0012 U		0.0012 U			
	2-Chlorophenol	mg/L						0.0016 U		0.0079 U			
	2-Methyl-4,6-dinitrophenol	mg/L						0.0028 U		0.0029 U			
	2-Methylphenol (o-Cresol)	mg/L						0.0013 U		0.0013 U			
	2-Nitrophenol	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.0023 U	0.05 U	0.0023 U	0.05 U	0.05 U
	3 & 4-Methylphenol(p-cresol)	mg/L							0.001 U		0.027		
	3,3'-Dichlorobenzidine	mg/L							0.0014 U		0.0014 U		
	4-Bromophenyl phenyl ether	mg/L							0.0014 U		0.0014 U		
	4-Chloro-3-Methylphenol	mg/L							0.0017 U		0.0017 U		
	4-Chlorophenyl phenyl ether	mg/L							0.0014 U		0.0014 U		
	4-Nitrophenol	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.0087 U	0.05 U		0.05 U	0.05 U
	Acetophenone	mg/L							0.0039 U		0.004 U		
	Aniline	mg/L							0.0012 U		0.0012 U		
	Benzidine	mg/L							0.021 U		0.022 U		
	Benzoic Acid	mg/L			0.5 U	0.172	0.172	0.5 U		0.5 U		0.238	0.5 U
	Bis(2-chloroethoxy) methane	mg/L							0.0013 U		0.0013 U		
	Bis(2-chloroethyl) ether	mg/L							0.0013 U		0.0013 U		
	Carbazole	mg/L							0.0009 U		0.001 U		
	Hexachlorobenzene	mg/L							0.0013 U		0.0013 U		
	Hexachlorobutadiene	mg/L							0.0016 U		0.0016 U		
	Hexachlorocyclopentadiene	mg/L							0.002 U		0.0021 U		
	Hexachloroethane	mg/L							0.0016 U		0.0016 U		
	Isophorone	mg/L							0.0014 U		0.0014 U		
	n-Decane	mg/L							0.0035 U		0.0035 U		
Nitrobenzene	mg/L							0.0016 U		0.0016 U			
N-Nitrosodimethylamine	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.0062 U	0.05 U	0.0063 U	0.05 U	0.05 U	
N-Nitroso-di-n-propylamine	mg/L							0.0012 U		0.0012 U			
N-Nitrosodiphenylamine	mg/L							0.0012 U		0.0012 U			
n-Octadecane	mg/L							0.0024 U		0.0025 U			
Pyridine	mg/L			0.5 U	0.5 U	0.5 U	0.5 U	0.012 U	0.05 U	0.012 U	0.5 U	0.5 U	
TPH	SGT-HEM	mg/L	50	5 U	5 U	5 U	5 U	8.3	5 U	13.2	5.7	5.0 U	
Volatiles	1,1,1-Trichloroethane	mg/L						0.0056 U		0.0056 U			
	1,1,2,2-Tetrachloroethane	mg/L						0.004 U		0.004 U			

C-7 Emerald Services
2019 Compliance Comparison

				January	February		April		September	October		December
				1/7/2019	2/1/2019	2/13/2019	4/9/2019	4/16/2019	9/19/2019	10/1/2019	10/21/2019	12/13/2019
				2018	2019	2019	2021	2078	2027	2079	2027	2029
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Sample	SMR	Sample	SMR	SMR
Volatiles	1,1,2-Trichloroethane	mg/L						0.003 U		0.003 U		
	1,1-Dichloroethane	mg/L						0.0036 U		0.0036 U		
	1,1-Dichloroethene	mg/L						0.005 U		0.005 U		
	1,2-Dichlorobenzene	mg/L						0.0032 U		0.0032 U		
	1,2-Dichloroethane	mg/L						0.003 U		0.003 U		
	1,2-Dichloropropane	mg/L						0.0026 U		0.0026 U		
	1,3-Dichlorobenzene	mg/L						0.0036 U		0.0036 U		
	1,4-Dichlorobenzene	mg/L						0.0038 U		0.0038 U		
	2-Chloroethyl vinyl ether	mg/L						0.0022 U		0.0022 U		
	Acrolein	mg/L						0.03 U		0.03 U		
	Acrylonitrile	mg/L						0.028 U		0.028 U		
	Bromodichloromethane	mg/L						0.0034 U		0.0034 U		
	Bromoform	mg/L						0.003 U		0.003 U		
	Bromomethane	mg/L						0.0076 U		0.0076 U		
	Carbon Tetrachloride	mg/L						0.0034 U		0.0034 U		
	Chlorobenzene	mg/L						0.0018 U		0.0018 U		
	Chloroethane	mg/L						0.0024 U		0.0024 U		
	Chloroform	mg/L						0.0026 U		0.0026 U		
	Chloromethane	mg/L						0.0048 U		0.0048 U		
	cis-1,3-Dichloropropene	mg/L						0.0018 U		0.0018 U		
	Dibromochloromethane	mg/L						0.0024 U		0.0024 U		
	Methylene Chloride	mg/L						0.0084 U		0.0084 U		
	Styrene	mg/L						0.0026 U		0.0026 U		
Tetrachloroethene	mg/L						0.0036 U		0.0036 U			
trans-1,2-Dichloroethene	mg/L						0.0036 U		0.0036 U			
trans-1,3-Dichloropropene	mg/L						0.0024 U		0.0024 U			
Trichloroethene	mg/L						0.003 U		0.003 U			
Trichlorofluoromethane	mg/L						0.003 U		0.003 U			
Vinyl Chloride	mg/L						0.003 U		0.003 U			

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-8 Evergreen America Corporation
2019 Compliance Comparison

				January		February		March		April		May	
				1/24/2019		2/27/2019		3/15/2019		4/15/2019		5/16/2019	
				2556	January	2557	February	2558	March	2559	April	2560	May
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon			1326		1572				818		597
	pH	pH Units	5.5 - 11	6.0		7.0		6.7		6.5		6.8 J	
	Temperature	Deg. F	100										
BTEX	Benzene	mg/L											
	Ethylbenzene	mg/L											
	m,p-Xylene	mg/L											
	o-Xylene	mg/L											
	Toluene	mg/L											
Conventionals	Cyanide, Total	mg/L	0.64										
Metals	Arsenic	mg/L	0.1										
	Cadmium	mg/L	0.25	0.020		0.020		0.020		0.020		0.020 U	
	Chromium	mg/L	1	0.025		0.025		0.025		0.025		0.025 U	
	Copper	mg/L	1	0.074		0.096		0.079		0.19		0.060 U	
	Lead	mg/L	0.4	0.057		0.030		0.030		0.030		0.030 U	
	Mercury	mg/L	0.05	0.00030		0.00030		0.00030		0.00030		0.00030 U	
	Molybdenum	mg/L	1	0.040		0.046		0.071		0.056		0.040 U	
	Nickel	mg/L	1	0.020		0.020		0.020		0.020		0.020 U	
	Selenium	mg/L	0.1										
	Silver	mg/L	0.2										
PCBs	Zinc	mg/L	2	0.52		1.2		0.77		1.2		0.34	
	Aroclor-1016	mg/L											
	Aroclor-1221	mg/L											
	Aroclor-1232	mg/L											
	Aroclor-1242	mg/L											
	Aroclor-1248	mg/L											
	Aroclor-1254	mg/L											
Aroclor-1260	mg/L												
TPH	HEM	mg/L										21	
	SGT-HEM	mg/L	50	23		28		17		41		15	
Volatiles	1,1,1-Trichloroethane	mg/L											
	1,1,2,2-Tetrachloroethane	mg/L											
	1,1,2-Trichloroethane	mg/L											
	1,1-Dichloroethane	mg/L											
	1,1-Dichloroethene	mg/L											

C-8 Evergreen America Corporation
2019 Compliance Comparison

				January		February		March		April		May		
				1/24/2019		2/27/2019		3/15/2019		4/15/2019		5/16/2019		
				2556	January	2557	February	2558	March	2559	April	2560	May	
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Average	SMR	Average	
Volatiles	1,2-Dichlorobenzene	mg/L												
	1,2-Dichloroethane	mg/L												
	1,2-Dichloropropane	mg/L												
	1,3-Dichlorobenzene	mg/L												
	1,4-Dichlorobenzene	mg/L												
	2-Butanone	mg/L												
	2-Chloroethyl vinyl ether	mg/L												
	Acetone	mg/L												
	Acrolein	mg/L												
	Acrylonitrile	mg/L												
	Bromodichloromethane	mg/L												
	Bromoform	mg/L												
	Bromomethane	mg/L												
	Carbon Tetrachloride	mg/L												
	Chlorobenzene	mg/L												
	Chloroethane	mg/L												
	Chloroform	mg/L												
	Chloromethane	mg/L												
	cis-1,3-Dichloropropene	mg/L												
	Dibromochloromethane	mg/L												
Methylene Chloride	mg/L													
Tetrachloroethene	mg/L													
trans-1,2-Dichloroethene	mg/L													
trans-1,3-Dichloropropene	mg/L													
Trichloroethene	mg/L													
Vinyl Chloride	mg/L													

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-8 Evergreen America Corporation
2019 Compliance Comparison

				June			July		August		September		October
				6/19/2019	6/26/2019		7/12/2019		8/19/2019		9/16/2019		10/15/2019
				2561	3021	June	2562	July	2563	August	2564	September	2565
Category	Parameter	Unit	Daily Limit	SMR	Sample	Average	SMR	Average	SMR	Average	SMR	Average	SMR
Flow, pH, and Temperature	Flow	Gallon				253		423		219		826	
	pH	pH Units	5.5 - 11	6.9 J	9.71		6.9 J		9.0		6.6 J		6.4 J
	Temperature	Deg. F	100		71.8								
BTEX	Benzene	mg/L			0.0022 U								
	Ethylbenzene	mg/L			0.0032 U								
	m,p-Xylene	mg/L			0.0084 U								
	o-Xylene	mg/L			0.0026 U								
	Toluene	mg/L			0.029								
Conventionals	Cyanide, Total	mg/L	0.64		0.005 U								
Metals	Arsenic	mg/L	0.1		0.00156								
	Cadmium	mg/L	0.25	0.020 U	0.00369		0.020 U		0.020 U		0.020 U		0.020 U
	Chromium	mg/L	1	0.025 U	0.0120		0.025 U		0.025 U		0.025 U		0.025 U
	Copper	mg/L	1	0.060 U	0.284		0.060 U		0.060 U		0.060 U		0.060 U
	Lead	mg/L	0.4	0.030 U	0.0912		0.030 U		0.030 U		0.030 U		0.030 U
	Mercury	mg/L	0.05	0.00030 U	2E-05 U		0.00030 U		0.00030 U		0.00030 U		0.00030 U
	Molybdenum	mg/L	1	0.082	0.213		0.049		0.040 U		0.085		0.070
	Nickel	mg/L	1	0.020 U	0.0235		0.020 U		0.020 U		0.020 U		0.020 U
	Selenium	mg/L	0.1		0.00013 U								
	Silver	mg/L	0.2		0.00016 U								
	Zinc	mg/L	2	0.23	1.30		0.12		0.099		0.32		0.18
PCBs	Aroclor-1016	mg/L			1E-05 U								
	Aroclor-1221	mg/L			4E-05 U								
	Aroclor-1232	mg/L			1E-05 U								
	Aroclor-1242	mg/L			1E-05 U								
	Aroclor-1248	mg/L			1E-05 U								
	Aroclor-1254	mg/L			3E-05 U								
	Aroclor-1260	mg/L			3E-05 U								
TPH	HEM	mg/L		14			7.0		5.8 U		8.0		5.9 U
	SGT-HEM	mg/L	50	10	71.3		5.7		5.8 U		5.6 U		5.9 U
Volatiles	1,1,1-Trichloroethane	mg/L			0.0056 U								
	1,1,2,2-Tetrachloroethane	mg/L			0.004 U								
	1,1,2-Trichloroethane	mg/L			0.003 U								
	1,1-Dichloroethane	mg/L			0.0036 U								
	1,1-Dichloroethene	mg/L			0.005 U								

C-8 Evergreen America Corporation
2019 Compliance Comparison

				June			July		August		September		October
				6/19/2019	6/26/2019		7/12/2019		8/19/2019		9/16/2019		10/15/2019
				2561	3021	June	2562	July	2563	August	2564	September	2565
Category	Parameter	Unit	Daily Limit	SMR	Sample	Average	SMR	Average	SMR	Average	SMR	Average	SMR
Volatiles	1,2-Dichlorobenzene	mg/L			0.0032 U								
	1,2-Dichloroethane	mg/L			0.003 U								
	1,2-Dichloropropane	mg/L			0.0026 U								
	1,3-Dichlorobenzene	mg/L			0.0036 U								
	1,4-Dichlorobenzene	mg/L			0.0038 U								
	2-Butanone	mg/L			0.015 U								
	2-Chloroethyl vinyl ether	mg/L			0.0022 U								
	Acetone	mg/L			0.60								
	Acrolein	mg/L			0.03 U								
	Acrylonitrile	mg/L			0.028 U								
	Bromodichloromethane	mg/L			0.0034 U								
	Bromoform	mg/L			0.003 U								
	Bromomethane	mg/L			0.0076 U								
	Carbon Tetrachloride	mg/L			0.0034 U								
	Chlorobenzene	mg/L			0.0018 U								
	Chloroethane	mg/L			0.0024 U								
	Chloroform	mg/L			0.0026 U								
	Chloromethane	mg/L			0.0048 U								
	cis-1,3-Dichloropropene	mg/L			0.0018 U								
	Dibromochloromethane	mg/L			0.0024 U								
Methylene Chloride	mg/L			0.0084 U									
Tetrachloroethene	mg/L			0.0036 U									
trans-1,2-Dichloroethene	mg/L			0.0036 U									
trans-1,3-Dichloropropene	mg/L			0.0024 U									
Trichloroethene	mg/L			0.003 U									
Vinyl Chloride	mg/L			0.003 U									

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UU - Analyte not detected at or above the associated estimated value.

J - The result is an estimated concentration.

C-8 Evergreen America Corporation
2019 Compliance Comparison

				October	November		December		
					11/15/2019		12/3/2019	12/17/2019	
Category	Parameter	Unit	Daily Limit	October Average	2566 SMR	November Average	3022 Sample	2567 SMR	December Average
Flow, pH, and Temperature	Flow	Gallon		1415		377			1636
	pH	pH Units	5.5 - 11		8.1		5.92	6.2 J	
	Temperature	Deg. F	100				55.6		
BTEX	Benzene	mg/L					0.0022 U		
	Ethylbenzene	mg/L					0.0032 U		
	m,p-Xylene	mg/L					0.0084 U		
	o-Xylene	mg/L					0.0033		
	Toluene	mg/L					0.0054 U		
Conventionals	Cyanide, Total	mg/L	0.64				0.005 U		
Metals	Arsenic	mg/L	0.1				0.00180		
	Cadmium	mg/L	0.25		0.020 U		0.00012 U	0.020 U	
	Chromium	mg/L	1		0.025 U		0.0102	0.025 U	
	Copper	mg/L	1		0.060 U		0.0995	0.060 U	
	Lead	mg/L	0.4		0.030 U		0.0204	0.030 U	
	Mercury	mg/L	0.05		0.00030 U		2E-05 U	0.00030 U	
	Molybdenum	mg/L	1		0.11		0.0668	0.19	
	Nickel	mg/L	1		0.020 U		0.0163	0.020 U	
	Selenium	mg/L	0.1				0.00013 U		
	Silver	mg/L	0.2				0.00016 U		
	Zinc	mg/L	2		0.20		0.889	0.45	
PCBs	Aroclor-1016	mg/L							
	Aroclor-1221	mg/L							
	Aroclor-1232	mg/L							
	Aroclor-1242	mg/L							
	Aroclor-1248	mg/L							
	Aroclor-1254	mg/L							
	Aroclor-1260	mg/L							
TPH	HEM	mg/L			12			5.7 U	
	SGT-HEM	mg/L	50		6.8		40.3	5.7 U	
Volatiles	1,1,1-Trichloroethane	mg/L					0.0056 U		
	1,1,2,2-Tetrachloroethane	mg/L					0.004 U		
	1,1,2-Trichloroethane	mg/L					0.003 U		
	1,1-Dichloroethane	mg/L					0.0036 U		
	1,1-Dichloroethene	mg/L					0.005 U		

C-8 Evergreen America Corporation
2019 Compliance Comparison

				October	November		December		
					11/15/2019		12/3/2019	12/17/2019	
Category	Parameter	Unit	Daily Limit	October Average	2566 SMR	November Average	3022 Sample	2567 SMR	December Average
Volatiles	1,2-Dichlorobenzene	mg/L					0.0032 U		
	1,2-Dichloroethane	mg/L					0.003 U		
	1,2-Dichloropropane	mg/L					0.0026 U		
	1,3-Dichlorobenzene	mg/L					0.0036 U		
	1,4-Dichlorobenzene	mg/L					0.0038 U		
	2-Butanone	mg/L							
	2-Chloroethyl vinyl ether	mg/L					0.0022 U		
	Acetone	mg/L							
	Acrolein	mg/L					0.03 U		
	Acrylonitrile	mg/L					0.028 U		
	Bromodichloromethane	mg/L					0.0034 U		
	Bromoform	mg/L					0.003 U		
	Bromomethane	mg/L					0.0076 U		
	Carbon Tetrachloride	mg/L					0.0034 U		
	Chlorobenzene	mg/L					0.0018 U		
	Chloroethane	mg/L					0.0024 U		
	Chloroform	mg/L					0.0026 U		
	Chloromethane	mg/L					0.0048 U		
	cis-1,3-Dichloropropene	mg/L					0.0018 U		
	Dibromochloromethane	mg/L					0.0024 U		
	Methylene Chloride	mg/L					0.011		
Tetrachloroethene	mg/L					0.0036 U			
trans-1,2-Dichloroethene	mg/L								
trans-1,3-Dichloropropene	mg/L					0.0024 U			
Trichloroethene	mg/L					0.003 U			
Vinyl Chloride	mg/L					0.003 U			

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-9 Foss Landing Marina
2019 Compliance Comparison

Category	Parameter	Unit	Daily Limit	Monthly Limit	January		February		March		April		
					1/1/2019	January	2/1/2019	February	3/15/2019	March	4/1/2019	4/24/2019	April
					1085	Average	1085	Average	1085	Average	2166	2188	Average
SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	Average		
Flow, pH, and Temperature	Flow	Gallon				647		728		376			647
	pH	pH Units	5.5 - 11							7.13			8.01
	Temperature	°F	100										68.0
Conventionals	Cyanide, Total	mg/L	0.64										0.005 U
Metals	Arsenic	mg/L	0.1										0.00108
	Cadmium	mg/L	0.25										0.00012 U
	Chromium	mg/L	1.0							0.007 U			0.0023 U
	Copper	mg/L	1							0.017			0.0393
	Lead	mg/L	0.4							0.025 U			0.00146
	Mercury	mg/L	0.05										2E-05 U
	Molybdenum	mg/L	1										0.00168
	Nickel	mg/L	1										0.00242
	Selenium	mg/L	0.1										0.00013 U
	Silver	mg/L	0.2										0.00016 U
Zinc	mg/L	2										0.274	
TPH	SGT-HEM	mg/L	50							5.0 U			

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UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-9 Foss Landing Marina
2019 Compliance Comparison

Category	Parameter	Unit	Daily Limit	Monthly Limit	May		June		July		August		September	
					5/1/2019	6/12/2019	7/1/2019	8/1/2019	9/17/2019	9/20/2019				
					2166 SMR	May Average	2166 SMR	June Average	2167 SMR	July Average	2167 SMR	August Average	2189 Sample	2167 SMR
Flow, pH, and Temperature	Flow	Gallon				728		376		503		696		678
	pH	pH Units	5.5 - 11				6.9						6.17	7.56
	Temperature	°F	100										67.3	
Conventionals	Cyanide, Total	mg/L	0.64										0.005 U	
Metals	Arsenic	mg/L	0.1										0.00154	
	Cadmium	mg/L	0.25										0.00012 U	
	Chromium	mg/L	1.0					0.007 U					0.0023 U	0.007 U
	Copper	mg/L	1					0.055					0.0560	0.585
	Lead	mg/L	0.4					0.025					0.00250	0.025 U
	Mercury	mg/L	0.05										2E-05 U	
	Molybdenum	mg/L	1										0.0004 U	
	Nickel	mg/L	1										0.00204	
	Selenium	mg/L	0.1										0.00013 U	
	Silver	mg/L	0.2										0.00016 U	
	Zinc	mg/L	2					0.285					0.225	0.572
TPH	SGT-HEM	mg/L	50					5.0 U					2 U	5 U

Bold - The analyte was present in the sample.
 U - Analyte not detected at or above the associated value.
 UJ - Analyte not detected at or above the associated estimated value.
 J - The result is an estimated concentration.

Table C-9 Foss Landing Marina
2019 Compliance Comparison

					October		November		December	
					10/1/2019		11/1/2019		12/10/2019	
Category	Parameter	Unit	Daily Limit	Monthly Limit	2168 SMR	October Average	2168 SMR	November Average	2168 SMR	December Average
Flow, pH, and Temperature	Flow	Gallon				221		105		688
	pH	pH Units	5.5 - 11						5.5	
	Temperature	°F	100							
Conventionals	Cyanide, Total	mg/L	0.64							
Metals	Arsenic	mg/L	0.1							
	Cadmium	mg/L	0.25							
	Chromium	mg/L	1.0						0.007 U	
	Copper	mg/L	1						0.397	
	Lead	mg/L	0.4						0.025 U	
	Mercury	mg/L	0.05							
	Molybdenum	mg/L	1							
	Nickel	mg/L	1							
	Selenium	mg/L	0.1							
	Silver	mg/L	0.2							
Zinc	mg/L	2							1.15	
TPH	SGT-HEM	mg/L	50						5 U	

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J - The result is an estimated concentration.*

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					January	February				March		April	May		
					1/4/2019	2/8/2019	2/19/2019	2/28/2019		3/14/2019	3/29/2019	4/17/2019	5/2/2019	5/21/2019	
					1115	1115	1440	1440	1115	1115	1115	3447	3447	3447	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Sample	Sample	SMR	SMR	SMR	SMR	SMR	SMR	
Flow, pH, and Temperature	Flow	gpm	18500		50	50			50	50	50	50	50	50	
			50		50	50			50	50	50	50	50	50	
	pH	pH Units	5.5 - 11		8.14	8.12		7.11	7.62	7.14	9.37	8.92	9.76	10.02	
	Temperature	°F	100					48.4							
BTEX	Benzene	mg/L	0.5		.085	.05 U		0.017	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	
	BTEX	mg/L	10		0.778	0.259		0.25	0.365	0.254	0.311	0.297	0.28		
	Ethylbenzene	mg/L			0.05 U	0.05 U		0.024	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
	m,p-Xylene	mg/L			0.234	0.10 U		0.093	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U		
	o-Xylene	mg/L						0.050							
	Toluene	mg/L			0.409	0.059		0.26	0.05	0.165	0.054	0.111	0.097	0.08	
Conventionals	Cyanide, Total	mg/L	0.64					0.005 U							
HPAHs	Benzo(a)anthracene	mg/L						0.0012 U							
	Benzo(a)pyrene	mg/L						0.0015 U							
	Benzo(b,k)fluoranthene	mg/L						0.0023 U							
	Benzo(g,h,i)perylene	mg/L						0.0015 U							
	Chrysene	mg/L						0.0012 U							
	Dibenz(a,h)anthracene	mg/L						0.0017 U							
	Fluoranthene	mg/L	0.0537	0.0268	.02 U	.02 U		0.0008 U	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	
	Indeno(1,2,3-cd)pyrene	mg/L						0.0015 U							
	Pyrene	mg/L						0.0013 U							
LPAHs	Acenaphthene	mg/L						0.0012 U							
	Acenaphthylene	mg/L						0.0012 U							
	Anthracene	mg/L						0.0011 U							
	Fluorene	mg/L						0.0013 U							
	Naphthalene	mg/L						0.011							
	Phenanthrene	mg/L						0.0011 U							
Metals	Antimony	mg/L													
	Arsenic	mg/L	0.1					0.00167							
	Barium	mg/L													
	Beryllium	mg/L													
	Cadmium	mg/L	0.25					0.00012 U							
	Chromium	mg/L	0.746	0.323	.013	.007 U		0.00533	.007 U	.01	.007 U	.007 U	.007 U	.007 U	.007 U
			1	0.323	.013	.007 U		0.00533	.007 U	.01	.007 U	.007 U	.007 U	.007 U	
	Cobalt	mg/L	56.4	18.8	.012	.005 U		0.0107	.009	.008	.009	.005 U	.005 U	.005 U	
	Copper	mg/L	0.5	0.242	.017	.008		0.0190	.018	0.006	.006 U	.006 U	.006 U	.032	
			1	0.242	.017	.008		0.0190	.018	0.006	.006 U	.006 U	.006 U	.032	
	Lead	mg/L	0.35	0.16	.025 U	.025 U		0.00402	.025 U	.025 U	.025 U	.025 U	.025 U	.025 U	
0.4			0.16	.025 U	.025 U		0.00402	.025 U	.025 U	.025 U	.025 U	.025 U	.025 U		
Mercury	mg/L	0.05					2E-05 U								

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					January	February				March		April	May	
					1/4/2019	2/8/2019	2/19/2019	2/28/2019		3/14/2019	3/29/2019	4/17/2019	5/2/2019	5/21/2019
					1115	1115	1440	1440	1115	1115	1115	3447	3447	3447
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Sample	Sample	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Molybdenum	mg/L	1		.354	.083		0.185	.211	.173	.031	.016	.005 U	.005 U
	Nickel	mg/L	1					0.0467						
	Selenium	mg/L	0.1		.025 U	.025 U		0.00013 U	.025 U	.025 U	.025 U	.025 U	.025 U	.025 U
	Silver	mg/L	0.2					0.00016 U						
	Thallium	mg/L												
	Tin	mg/L	0.335	0.165	.025 U	.025 U		0.00109 U	.025 U	.025	.025 U	.025 U	.025 U	.025 U
	Titanium	mg/L												
	Vanadium	mg/L												
	Zinc	mg/L	2		.379	.067		0.182	1.02	.493	.025	.006 U	.006 U	.006 U
PCBs	Aroclor-1016	mg/L						1E-05 U						
	Aroclor-1221	mg/L						4E-05 U						
	Aroclor-1232	mg/L						1E-05 U						
	Aroclor-1242	mg/L						1E-05 U						
	Aroclor-1248	mg/L						1E-05 U						
	Aroclor-1254	mg/L						2E-05 U						
	Aroclor-1260	mg/L						2E-05 U						
Phenols	Pentachlorophenol	mg/L						0.0077 U						
	Phenol	mg/L						0.32						
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L	0.215	0.101	.05 U	.05 U		0.016	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
	Butyl benzyl phthalate	mg/L						0.0016 U						
	Diethyl phthalate	mg/L						0.0024 U						
	Dimethyl phthalate	mg/L						0.0011 U						
	Di-n-butyl phthalate	mg/L						0.0023 U						
	Di-n-octyl phthalate	mg/L						0.0021 U						
SVOA	1,2,4-Trichlorobenzene	mg/L						0.0015 U						
	1,2-Diphenylhydrazine	mg/L						0.0015 U						
	2,2'-oxybis(1-chloropropane)	mg/L						0.0013 U						
	2,3-Dichloroaniline	mg/L						0.0013 U						
	2,4,6-Trichlorophenol	mg/L						0.0018 U						
	2,4-Dichlorophenol	mg/L						0.0017 U						
	2,4-Dimethylphenol	mg/L						0.012						
	2,4-Dinitrophenol	mg/L						0.034 U						
	2,4-Dinitrotoluene	mg/L						0.0023 U						
	2,6-Dinitrotoluene	mg/L						0.0025 U						
2-Chloronaphthalene	mg/L						0.0012 U							

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					January	February			March		April	May			
					1/4/2019	2/8/2019	2/19/2019	2/28/2019		3/14/2019	3/29/2019	4/17/2019	5/2/2019	5/21/2019	
					1115	1115	1440	1440	1115	1115	1115	3447	3447	3447	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Sample	Sample	SMR	SMR	SMR	SMR	SMR	SMR	
SVOA	2-Chlorophenol	mg/L						0.0015 U							
	2-Methyl-4,6-dinitrophenol	mg/L						0.0028 U							
	2-Methylphenol (o-Cresol)	mg/L						0.015							
	2-Nitrophenol	mg/L						0.0022 U							
	3 & 4-Methylphenol (p-cresol)	mg/L						0.16							
	3,3'-Dichlorobenzidine	mg/L						0.0014 U							
	4-Bromophenyl phenyl ether	mg/L						0.0014 U							
	4-Chloro-3-Methylphenol	mg/L						0.0017 U							
	4-Chlorophenyl phenyl ether	mg/L						0.0014 U							
	4-Nitrophenol	mg/L						0.0085 U							
	Acetophenone	mg/L						0.014							
	Aniline	mg/L						0.14							
	Benzidine	mg/L						0.021 U							
	Bis(2-chloroethoxy) methane	mg/L						0.0012 U							
	Bis(2-chloroethyl) ether	mg/L						0.0012 U							
	Carbazole	mg/L	0.598	0.276		.05 U	.05 U		0.0009 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U
	Hexachlorobenzene	mg/L							0.0013 U						
	Hexachlorobutadiene	mg/L							0.0015 U						
	Hexachlorocyclopentadiene	mg/L							0.002 U						
	Hexachloroethane	mg/L							0.0015 U						
	Isophorone	mg/L							0.0014 U						
n-Decane	mg/L	0.948	0.437		.05 U	.05 U		0.0034 U	.05 U	.05 U	.05	.05 U	.05 U	.05 U	
Nitrobenzene	mg/L							0.0015 U							
N-Nitrosodimethylamine	mg/L							0.0061 U							
N-Nitroso-di-n-propylamine	mg/L							0.0012 U							
N-Nitrosodiphenylamine	mg/L							0.0012 U							
n-Octadecane	mg/L	0.589	0.302		.05 U	.05 U		0.057	.05 U	.05 U	.05	.05 U	.05 U	.05 U	
Pyridine	mg/L							0.012 U							
TPH	SGT-HEM	mg/L	50		5.4	5.1		100 J	5 U	5.0 U	5.0 U	5.0 U	5.0	5.0 U	

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					January	February			March		April	May		
					1/4/2019	2/8/2019	2/19/2019	2/28/2019		3/14/2019	3/29/2019	4/17/2019	5/2/2019	5/21/2019
					1115	1115	1440	1440	1115	1115	1115	3447	3447	3447
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	Sample	Sample	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	1,1,1-Trichloroethane	mg/L						0.002 U						
	1,1,2,2-Tetrachloroethane	mg/L						0.004 U						
	1,1,2-Trichloroethane	mg/L						0.01 U						
	1,1-Dichloroethane	mg/L						0.002 U						
	1,1-Dichloroethene	mg/L						0.004 U						
	1,2-Dichlorobenzene	mg/L						0.004 U						
	1,2-Dichloroethane	mg/L						0.004 U						
	1,2-Dichloropropane	mg/L						0.002 U						
	1,3-Dichlorobenzene	mg/L						0.004 U						
	1,4-Dichlorobenzene	mg/L						0.004 U						
	2-Chloroethyl vinyl ether	mg/L						0.0022 U						
	Acrolein	mg/L						0.04 U						
	Acrylonitrile	mg/L						0.04 U						
	Bromodichloromethane	mg/L						0.004 U						
	Bromoform	mg/L						0.004 U						
	Bromomethane	mg/L						0.01 U						
	Carbon Tetrachloride	mg/L						0.004 U						
	Chlorobenzene	mg/L						0.004 U						
	Chloroethane	mg/L						0.006 U						
	Chloroform	mg/L						0.004 U						
	Chloromethane	mg/L						0.004 U						
	cis-1,3-Dichloropropene	mg/L						0.004 U						
	Dibromochloromethane	mg/L						0.004 U						
	Methylene Chloride	mg/L						0.006 U						
	Styrene	mg/L						0.004 U						
	Tetrachloroethene	mg/L						0.004 U						
trans-1,2-Dichloroethene	mg/L						0.004 U							
trans-1,3-Dichloropropene	mg/L						0.004 U							
Trichloroethene	mg/L						0.004 U							
Trichlorofluoromethane	mg/L						0.004 U							
Vinyl Chloride	mg/L						0.004 U							

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
JJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					June		July			August	September	October	November
					6/20/2019	6/28/2019	7/12/2019	7/22/2019	7/31/2019	8/20/2019	9/27/2019	10/23/2019	11/11/2019
					3447	3447	3448	3409	3448	3448	3448	4097	4097
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	SMR	SMR	
Flow, pH, and Temperature	Flow	gpm	18500		50		50						
			50		50		50						
	pH	pH Units	5.5 - 11		7.41	7.09	6.85	6.58	8.71	8.02	7.57	8.76	6.97
	Temperature	°F	100					70.2					
BTEX	Benzene	mg/L	0.5		.05 U	0.05 U	0.05 U	0.0022 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10		0.281	0.282	0.289		0.263	0.35	0.25	0.25 U	0.259
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.012	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L			0.10 U	0.10 U	0.10 U	0.048	0.1 U		0.1 U	0.1 U	0.1 U
	o-Xylene	mg/L						0.030		0.1 U			
	Toluene	mg/L			0.081	0.082	0.089	0.076	0.063	0.15	0.05 U	0.05 U	0.059
Conventionals	Cyanide, Total	mg/L	0.64					0.005 U					
HPAHs	Benzo(a)anthracene	mg/L						0.0012 U					
	Benzo(a)pyrene	mg/L						0.0015 U					
	Benzo(b,k)fluoranthene	mg/L						0.0023 U					
	Benzo(g,h,i)perylene	mg/L						0.0015 U					
	Chrysene	mg/L						0.0012 U					
	Dibenz(a,h)anthracene	mg/L						0.0017 U					
	Fluoranthene	mg/L	0.0537	0.0268	.02 U	0.02 U	0.02 U	0.0008 U	0.02 U	0.02 U	0.01 U	0.02 U	0.02 U
	Indeno(1,2,3-cd)pyrene	mg/L						0.0016 U					
	Pyrene	mg/L						0.0013 U					
LPAHs	Acenaphthene	mg/L						0.0013 U					
	Acenaphthylene	mg/L						0.0013 U					
	Anthracene	mg/L						0.0011 U					
	Fluorene	mg/L						0.0013 U					
	Naphthalene	mg/L						0.0013 U					
	Phenanthrene	mg/L						0.0011 U					
Metals	Antimony	mg/L						0.0140					
	Arsenic	mg/L	0.1					0.00267					
	Barium	mg/L						0.330					
	Beryllium	mg/L						5E-05 U					
	Cadmium	mg/L	0.25					6E-05 U					
	Chromium	mg/L	0.746	0.323	.007 U	0.007 U	.007 U	0.00432	0.007 U	0.007 U	0.007 U	0.007 U	0.019
			1	0.323	.007 U	0.007 U	.007 U	0.00432	0.007 U	0.007 U	0.007 U	0.007 U	0.019
	Cobalt	mg/L	56.4	18.8	.009	0.012	0.014	0.0128	0.008	0.015	0.018	0.023	0.009
	Copper	mg/L	0.5	0.242	.006 U	0.006 U	.006 U	0.00197	0.006 U	0.006 U	0.006 U	0.006 U	0.027
			1	0.242	.006 U	0.006 U	.006 U	0.00197	0.006 U	0.006 U	0.006 U	0.006 U	0.027
	Lead	mg/L	0.35	0.16	.025 U	0.025 U	0.025 U	0.000773	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
0.4			0.16	.025 U	0.025 U	0.025 U	0.000773	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
Mercury	mg/L	0.05					2E-05 U						

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					June		July			August	September	October	November
					6/20/2019	6/28/2019	7/12/2019	7/22/2019	7/31/2019	8/20/2019	9/27/2019	10/23/2019	11/11/2019
					3447	3447	3448	3409	3448	3448	3448	4097	4097
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	SMR	SMR	
Metals	Molybdenum	mg/L	1		.08	0.05	0.022	0.0251	0.017	0.067	0.048	0.027	0.301
	Nickel	mg/L	1					0.0650					
	Selenium	mg/L	0.1		.025 U	0.025 U	0.025 U	6E-05 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2					8E-05 U					
	Thallium	mg/L						0.00013 U					
	Tin	mg/L	0.335	0.165	.025 U	.025 U	0.025 U	0.00109 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L						0.00037 U					
	Vanadium	mg/L						0.00380					
	Zinc	mg/L	2		.006 U	0.01	0.172	0.111	0.006 U	0.643	0.407	0.016	0.135
PCBs	Aroclor-1016	mg/L						1E-05 U					
	Aroclor-1221	mg/L						4E-05 U					
	Aroclor-1232	mg/L						1E-05 U					
	Aroclor-1242	mg/L						1E-05 U					
	Aroclor-1248	mg/L						1E-05 U					
	Aroclor-1254	mg/L						2E-05 U					
	Aroclor-1260	mg/L						2E-05 U					
Phenols	Pentachlorophenol	mg/L						0.0078 U					
	Phenol	mg/L						0.13					
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L	0.215	0.101	.05 U	0.05 U	0.05 U	0.0013 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L						0.0016 U					
	Diethyl phthalate	mg/L						0.0024 U					
	Dimethyl phthalate	mg/L						0.0011 U					
	Di-n-butyl phthalate	mg/L						0.0023 U					
	Di-n-octyl phthalate	mg/L						0.0021 U					
SVOA	1,2,4-Trichlorobenzene	mg/L						0.0015 U					
	1,2-Diphenylhydrazine	mg/L						0.0015 U					
	2,2'-oxybis(1-chloropropane)	mg/L						0.0013 U					
	2,3-Dichloroaniline	mg/L						0.0013 U					
	2,4,6-Trichlorophenol	mg/L						0.0018 U					
	2,4-Dichlorophenol	mg/L						0.0017 U					
	2,4-Dimethylphenol	mg/L						0.0032 U					
	2,4-Dinitrophenol	mg/L						0.034 U					
	2,4-Dinitrotoluene	mg/L						0.0023 U					
	2,6-Dinitrotoluene	mg/L						0.0025 U					
2-Chloronaphthalene	mg/L						0.0012 U						

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					June		July			August	September	October	November
					6/20/2019	6/28/2019	7/12/2019	7/22/2019	7/31/2019	8/20/2019	9/27/2019	10/23/2019	11/11/2019
					3447	3447	3448	3409	3448	3448	3448	4097	4097
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	SMR	SMR	
SVOA	2-Chlorophenol	mg/L						0.0016 U					
	2-Methyl-4,6-dinitrophenol	mg/L						0.0028 U					
	2-Methylphenol (o-Cresol)	mg/L						0.0013 U					
	2-Nitrophenol	mg/L						0.0023 U					
	3 & 4-Methylphenol (p-cresol)	mg/L						0.55					
	3,3'-Dichlorobenzidine	mg/L						0.0014 U					
	4-Bromophenyl phenyl ether	mg/L						0.0014 U					
	4-Chloro-3-Methylphenol	mg/L						0.0017 U					
	4-Chlorophenyl phenyl ether	mg/L						0.0014 U					
	4-Nitrophenol	mg/L						0.0086 U					
	Acetophenone	mg/L						0.0039 U					
	Aniline	mg/L						0.0085					
	Benzidine	mg/L						0.021 U					
	Bis(2-chloroethoxy) methane	mg/L						0.0013 U					
	Bis(2-chloroethyl) ether	mg/L						0.0013 U					
	Carbazole	mg/L	0.598	0.276		.05 U	0.05 U	.05 U	0.0009 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L							0.0013 U				
	Hexachlorobutadiene	mg/L							0.0016 U				
	Hexachlorocyclopentadiene	mg/L							0.002 U				
	Hexachloroethane	mg/L							0.0016 U				
	Isophorone	mg/L							0.0014 U				
	n-Decane	mg/L	0.948	0.437		.05 U	0.05 U	0.05 U	0.0034 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L							0.0016 U				
N-Nitrosodimethylamine	mg/L							0.0062 U					
N-Nitroso-di-n-propylamine	mg/L							0.0012 U					
N-Nitrosodiphenylamine	mg/L							0.0012 U					
n-Octadecane	mg/L	0.589	0.302		.05 U	0.05 U	0.05 U	0.0024 U	0.05 U	0.05 U	0.05 U	0.05 U	
Pyridine	mg/L							0.012 U					
TPH	SGT-HEM	mg/L	50					5.0 U	5.0 U	5.0 U	5 U	5 U	

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					June		July			August	September	October	November
					6/20/2019	6/28/2019	7/12/2019	7/22/2019	7/31/2019	8/20/2019	9/27/2019	10/23/2019	11/11/2019
					3447	3447	3448	3409	3448	3448	3448	4097	4097
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	Sample	SMR	SMR	SMR	SMR	
Volatiles	1,1,1-Trichloroethane	mg/L						0.0056 U					
	1,1,2,2-Tetrachloroethane	mg/L						0.004 U					
	1,1,2-Trichloroethane	mg/L						0.003 U					
	1,1-Dichloroethane	mg/L						0.0036 U					
	1,1-Dichloroethene	mg/L						0.005 U					
	1,2-Dichlorobenzene	mg/L						0.0032 U					
	1,2-Dichloroethane	mg/L						0.003 U					
	1,2-Dichloropropane	mg/L						0.0026 U					
	1,3-Dichlorobenzene	mg/L						0.0036 U					
	1,4-Dichlorobenzene	mg/L						0.0038 U					
	2-Chloroethyl vinyl ether	mg/L						0.0022 U					
	Acrolein	mg/L						.10 UJ					
	Acrylonitrile	mg/L						0.028 U					
	Bromodichloromethane	mg/L						0.0034 U					
	Bromoform	mg/L						0.003 U					
	Bromomethane	mg/L						0.0076 U					
	Carbon Tetrachloride	mg/L						0.0034 U					
	Chlorobenzene	mg/L						0.0018 U					
	Chloroethane	mg/L						0.0024 U					
	Chloroform	mg/L						0.0026 U					
	Chloromethane	mg/L						0.0048 U					
	cis-1,3-Dichloropropene	mg/L						0.0018 U					
	Dibromochloromethane	mg/L						0.0024 U					
	Methylene Chloride	mg/L						0.0084 U					
	Styrene	mg/L						0.0026 U					
	Tetrachloroethene	mg/L						0.0036 U					
	trans-1,2-Dichloroethene	mg/L						0.0036 U					
trans-1,3-Dichloropropene	mg/L						0.0024 U						
Trichloroethene	mg/L						0.003 U						
Trichlorofluoromethane	mg/L						0.003 U						
Vinyl Chloride	mg/L						0.003 U						

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					December	
					12/9/2019	12/26/2019
					4097	4097
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
Flow, pH, and Temperature	Flow	gpm	18500			
			50			
	pH	pH Units	5.5 - 11		7.86	9.08
	Temperature	°F	100			
BTEX	Benzene	mg/L	0.5		0.05 U	0.05 U
	BTEX	mg/L	10		0.25	0.25
	Ethylbenzene	mg/L			0.05 U	0.05 U
	m,p-Xylene	mg/L			0.1 U	0.1 U
	o-Xylene	mg/L				
	Toluene	mg/L			0.05 U	0.05 U
Conventionals	Cyanide, Total	mg/L	0.64			
HPAHs	Benzo(a)anthracene	mg/L				
	Benzo(a)pyrene	mg/L				
	Benzo(b,k)fluoranthene	mg/L				
	Benzo(g,h,i)perylene	mg/L				
	Chrysene	mg/L				
	Dibenz(a,h)anthracene	mg/L				
	Fluoranthene	mg/L	0.0537	0.0268	0.02 U	0.02 U
	Pyrene	mg/L				
LPAHs	Acenaphthene	mg/L				
	Acenaphthylene	mg/L				
	Anthracene	mg/L				
	Fluorene	mg/L				
	Naphthalene	mg/L				
	Phenanthrene	mg/L				
Metals	Antimony	mg/L				
	Arsenic	mg/L	0.1			
	Barium	mg/L				
	Beryllium	mg/L				
	Cadmium	mg/L	0.25			
	Chromium	mg/L	0.746	0.323	0.007 U	0.007 U
			1	0.323	0.007 U	0.007 U
	Cobalt	mg/L	56.4	18.8	0.01	0.006
	Copper	mg/L	0.5	0.242	0.006 U	0.006 U
			1	0.242	0.006 U	0.006 U
	Lead	mg/L	0.35	0.16	0.025 U	0.025 U
0.4			0.16	0.025 U	0.025 U	
Mercury	mg/L	0.05				

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					December	
					12/9/2019	12/26/2019
					4097	4097
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
Metals	Molybdenum	mg/L	1		0.019	0.007
	Nickel	mg/L	1			
	Selenium	mg/L	0.1		0.025 U	0.025 U
	Silver	mg/L	0.2			
	Thallium	mg/L				
	Tin	mg/L	0.335	0.165	0.025 U	0.025 U
	Titanium	mg/L				
	Vanadium	mg/L				
	Zinc	mg/L	2		0.045	0.006 U
PCBs	Aroclor-1016	mg/L				
	Aroclor-1221	mg/L				
	Aroclor-1232	mg/L				
	Aroclor-1242	mg/L				
	Aroclor-1248	mg/L				
	Aroclor-1254	mg/L				
	Aroclor-1260	mg/L				
Phenols	Pentachlorophenol	mg/L				
	Phenol	mg/L				
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L	0.215	0.101	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L				
	Diethyl phthalate	mg/L				
	Dimethyl phthalate	mg/L				
	Di-n-butyl phthalate	mg/L				
	Di-n-octyl phthalate	mg/L				
SVOA	1,2,4-Trichlorobenzene	mg/L				
	1,2-Diphenylhydrazine	mg/L				
	2,2'-oxybis(1-chloropropane)	mg/L				
	2,3-Dichloroaniline	mg/L				
	2,4,6-Trichlorophenol	mg/L				
	2,4-Dichlorophenol	mg/L				
	2,4-Dimethylphenol	mg/L				
	2,4-Dinitrophenol	mg/L				
	2,4-Dinitrotoluene	mg/L				
	2,6-Dinitrotoluene	mg/L				
	2-Chloronaphthalene	mg/L				

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					December	
					12/9/2019	12/26/2019
					4097	4097
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
SVOA	2-Chlorophenol	mg/L				
	2-Methyl-4,6-dinitrophenol	mg/L				
	2-Methylphenol (o-Cresol)	mg/L				
	2-Nitrophenol	mg/L				
	3 & 4-Methylphenol (p-cresol)	mg/L				
	3,3'-Dichlorobenzidine	mg/L				
	4-Bromophenyl phenyl ether	mg/L				
	4-Chloro-3-Methylphenol	mg/L				
	4-Chlorophenyl phenyl ether	mg/L				
	4-Nitrophenol	mg/L				
	Acetophenone	mg/L				
	Aniline	mg/L				
	Benzidine	mg/L				
	Bis(2-chloroethoxy) methane	mg/L				
	Bis(2-chloroethyl) ether	mg/L				
	Carbazole	mg/L	0.598	0.276	0.05 U	0.05 U
	Hexachlorobenzene	mg/L				
	Hexachlorobutadiene	mg/L				
	Hexachlorocyclopentadiene	mg/L				
	Hexachloroethane	mg/L				
	Isophorone	mg/L				
	n-Decane	mg/L	0.948	0.437	0.05 U	0.05 U
	Nitrobenzene	mg/L				
N-Nitrosodimethylamine	mg/L					
N-Nitroso-di-n-propylamine	mg/L					
N-Nitrosodiphenylamine	mg/L					
n-Octadecane	mg/L	0.589	0.302	0.05 U	0.05 U	
Pyridine	mg/L					
TPH	SGT-HEM	mg/L	50		5 U	5 U

Table C-10 Heritage Crystal Clean
2019 Compliance Comparison

					December	
					12/9/2019	12/26/2019
					4097	4097
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
Volatiles	1,1,1-Trichloroethane	mg/L				
	1,1,2,2-Tetrachloroethane	mg/L				
	1,1,2-Trichloroethane	mg/L				
	1,1-Dichloroethane	mg/L				
	1,1-Dichloroethene	mg/L				
	1,2-Dichlorobenzene	mg/L				
	1,2-Dichloroethane	mg/L				
	1,2-Dichloropropane	mg/L				
	1,3-Dichlorobenzene	mg/L				
	1,4-Dichlorobenzene	mg/L				
	2-Chloroethyl vinyl ether	mg/L				
	Acrolein	mg/L				
	Acrylonitrile	mg/L				
	Bromodichloromethane	mg/L				
	Bromoform	mg/L				
	Bromomethane	mg/L				
	Carbon Tetrachloride	mg/L				
	Chlorobenzene	mg/L				
	Chloroethane	mg/L				
	Chloroform	mg/L				
	Chloromethane	mg/L				
	cis-1,3-Dichloropropene	mg/L				
	Dibromochloromethane	mg/L				
	Methylene Chloride	mg/L				
	Styrene	mg/L				
	Tetrachloroethene	mg/L				
	trans-1,2-Dichloroethene	mg/L				
	trans-1,3-Dichloropropene	mg/L				
Trichloroethene	mg/L					
Trichlorofluoromethane	mg/L					
Vinyl Chloride	mg/L					

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UJ - Analyte not detected at or above the associated estimated value.

J - The result is an estimated concentration.

Table C-11 Lilyblad Petroleum, Inc.
2019 Compliance Comparison

					January			February		March		April		
					1/1/2019	1/22/2019	1/23/2019		2/1/2019		3/1/2019		4/1/2019	
					2987	1454	2987	January	2987	February	2987	March	2987	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	SMR	Average	SMR	Average	SMR	Average	SMR	Average
Flow, pH, and Temperature	Flow	cu. ft.	40					14048		12		0		201
			6500					14048		12		0		201
	pH	pH Units	5.5 - 11			8.15	7.50							
	Temperature	°F	100			57.7								
BTEX	Benzene	mg/L				0.0022 U	0.00053 U							
	BTEX	mg/L			0	0.0218 U	0.00232 U		0		0		0	
	Ethylbenzene	mg/L				0.0032 U	0.0005 U							
	m,p-Xylene	mg/L				0.0084 U	0.00075 U							
	o-Xylene	mg/L				.0026 U	.00015 U							
	Toluene	mg/L				.0054 U	0.00039 U							
Conventionals	Cyanide, Total	mg/L	0.64			0.005 U								
Metals	Arsenic	mg/L	0.1			0.00154	0.0072 U							
	Cadmium	mg/L	0.25			0.00012 U	0.0005 U							
	Chromium	mg/L	1			0.00234	0.0033 U							
	Copper	mg/L	1			0.00940	0.014 U							
	Lead	mg/L	0.4			0.0001 U	0.0120 J							
	Mercury	mg/L	0.05			2E-05 U	0.00022 U							
	Molybdenum	mg/L	1			0.00315								
	Nickel	mg/L	1			0.0473	0.049 J							
	Selenium	mg/L	0.1			0.00013 U								
	Silver	mg/L	0.2			0.00016 U								
	Zinc	mg/L	2			0.0429	0.039 J							
TPH	SGT-HEM	mg/L	50			5.9	4.7 U							
Volatiles	1,1,1-Trichloroethane	mg/L				0.0056 U								
	1,1,2,2-Tetrachloroethane	mg/L				0.004 U								
	1,1,2-Trichloroethane	mg/L				0.003 U								
	1,1-Dichloroethane	mg/L				0.0036 U								
	1,1-Dichloroethene	mg/L				0.005 U								
	1,2-Dichlorobenzene	mg/L				0.0032 U								
	1,2-Dichloroethane	mg/L				0.003 U								
	1,2-Dichloropropane	mg/L				0.0026 U								
	1,3-Dichlorobenzene	mg/L				0.0036 U								
	1,4-Dichlorobenzene	mg/L				0.0038 U								
	2-Chloroethyl vinyl ether	mg/L				0.0022 U								
	Acrolein	mg/L				0.03 U								
	Acrylonitrile	mg/L				0.028 U								
	Bromodichloromethane	mg/L				0.0034 U								

Table C-11 Lilyblad Petroleum, Inc.
2019 Compliance Comparison

					January			February		March		April		
					1/1/2019	1/22/2019	1/23/2019		2/1/2019		3/1/2019		4/1/2019	
					2987	1454	2987	January	2987	February	2987	March	2987	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	SMR	Average	SMR	Average	SMR	Average	SMR	Average
Volatiles	Bromoform	mg/L				0.003 U								
	Bromomethane	mg/L				0.0076 U								
	Carbon Tetrachloride	mg/L				0.0034 U								
	Chlorobenzene	mg/L				0.0018 U								
	Chloroethane	mg/L				0.0024 U								
	Chloroform	mg/L				0.0026 U								
	Chloromethane	mg/L				0.0048 U								
	cis-1,3-Dichloropropene	mg/L				0.0018 U								
	Dibromochloromethane	mg/L				0.0024 U								
	Methylene Chloride	mg/L				0.0084 U								
	Styrene	mg/L				0.0026 U								
	Tetrachloroethene	mg/L				0.0036 U								
	trans-1,2-Dichloroethene	mg/L				0.0036 U								
	trans-1,3-Dichloropropene	mg/L				0.0024 U								
	Trichloroethene	mg/L				0.003 U								
Trichlorofluoromethane	mg/L				0.003 U									
Vinyl Chloride	mg/L				0.003 U									

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-12 LRI
2019 Compliance Comparison

					January		February		March		April	
					1/15/2019		2/28/2019		3/31/2019		4/1/2019	
					1837	January	2657	February	2658	March		April
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	Average	SMR	Average	SMR	Average	SMR	Average
Flow, pH, and Temperature	Flow	GPD	65000			27384	33,300		22,089			27,251
	pH	pH Units	5.5 - 11		7.95							
		pH_unit	5.5 - 11									
	Temperature	°F	100									
Deg. F		100										
BTEX	Benzene	mg/L			0.022							
	Ethylbenzene	mg/L			0.035							
	m,p-Xylene	mg/L			0.065							
	o-Xylene	mg/L			0.031							
	Toluene	mg/L			0.067							
Conventionals	Ammonia as N	mg/L			1750							
	BOD	mg/L			1380							
	COD	mg/L			7720							
	Cyanide, Total	mg/L	.64		0.025 U							
	Total Suspended Solids	mg/L			24.6							
HPAHs	Benzo(a)anthracene	mg/L			0.0012 U							
	Benzo(a)pyrene	mg/L			0.0015 U							
	Benzo(b,k)fluoranthene	mg/L			0.0023 U							
	Benzo(g,h,i)perylene	mg/L			0.0015 U							
	Chrysene	mg/L			0.0012 U							
	Dibenz(a,h)anthracene	mg/L			0.0017 U							
	Fluoranthene	mg/L			0.0008 U							
	Indeno(1,2,3-cd)pyrene	mg/L			0.0016 U							
	Pyrene	mg/L			0.0013 U							
LPAHs	Acenaphthene	mg/L			0.0013 U							
	Acenaphthylene	mg/L			0.0013 U							
	Anthracene	mg/L			0.0011 U							
	Fluorene	mg/L			0.0013 U							
	Naphthalene	mg/L			0.027							
	Phenanthrene	mg/L			0.0011 U							
Metals	Arsenic	mg/L	0.23		0.137							
	Cadmium	mg/L	0.25		0.00530							
	Chromium	mg/L	1.0		0.531							
	Chromium, hexavalent	mg/L	.25		ND J							
	Copper	mg/L	1.0		0.0705							
	Lead	mg/L	0.4		0.0341							
	Mercury	mg/L	0.05		0.00021 U							
	Molybdenum	mg/L	1.0		0.0609							
	Nickel	mg/L	1.0		0.551							

Table C-12 LRI
2019 Compliance Comparison

					January		February		March		April	
					1/15/2019		2/28/2019		3/31/2019		4/1/2019	
					1837	January	2657	February	2658	March		April
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	Average	SMR	Average	SMR	Average	SMR	Average
	Selenium	mg/L	0.1		0.00063 U							
	Silver	mg/L	0.2		0.00079 U							
	Zinc	mg/L	2		0.211							
Nutrients	Nitrate+Nitrite as N	mg/L			0.22 U							
Phenols	Pentachlorophenol	mg/L			0.0078 U							
	Phenol	mg/L			0.82							
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L			0.043							
	Butyl benzyl phthalate	mg/L			0.0016 U							
	Diethyl phthalate	mg/L			0.0081							
	Dimethyl phthalate	mg/L			0.0011 U							
	Di-n-butyl phthalate	mg/L			0.0023 U							
	Di-n-octyl phthalate	mg/L			0.0021 U							
SVOA	1,2,4-Trichlorobenzene	mg/L			0.0015 U							
	1,2-Diphenylhydrazine	mg/L			0.0015 U							
	2,2'-oxybis(1-chloropropane)	mg/L			0.0013 U							
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L			0.0018 U							
	2,4-Dichlorophenol	mg/L			0.0017 U							
	2,4-Dimethylphenol	mg/L			0.012							
	2,4-Dinitrophenol	mg/L			0.034 U							
	2,4-Dinitrotoluene	mg/L			0.0023 U							
	2,6-Dinitrotoluene	mg/L			0.0025 U							
	2-Chloronaphthalene	mg/L			0.0012 U							
	2-Chlorophenol	mg/L			0.0016 U							
	2-Methyl-4,6-dinitrophenol	mg/L			0.0028 U							
	2-Methylphenol (o-Cresol)	mg/L										
	2-Nitrophenol	mg/L			0.0023 U							
	3 & 4-Methylphenol(p-cresol)	mg/L										
	3,3'-Dichlorobenzidine	mg/L			0.0014 U							
	4-Bromophenyl phenyl ether	mg/L			0.0014 U							
	4-Chloro-3-Methylphenol	mg/L			0.0017 U							
	4-Chlorophenyl phenyl ether	mg/L			0.0014 U							
	4-Nitrophenol	mg/L			0.0086 U							
	Acetophenone	mg/L			0.033							
	Aniline	mg/L										

Table C-12 LRI
2019 Compliance Comparison

					January		February		March		April	
					1/15/2019		2/28/2019		3/31/2019		4/1/2019	
					1837	January	2657	February	2658	March		April
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	Average	SMR	Average	SMR	Average	SMR	Average
SVOA	Benzidine	mg/L			0.021 U							
	Bis(2-chloroethoxy) methane	mg/L			0.0013 U							
	Bis(2-chloroethyl) ether	mg/L			0.0013 U							
	Carbazole	mg/L										
	Hexachlorobenzene	mg/L			0.0013 U							
	Hexachlorobutadiene	mg/L			0.0016 U							
	Hexachlorocyclopentadiene	mg/L			0.002 U							
	Hexachloroethane	mg/L			ND J							
	Isophorone	mg/L			0.0014 U							
	n-Decane	mg/L										
	Nitrobenzene	mg/L			0.0016 U							
	N-Nitrosodimethylamine	mg/L			0.0062 U							
	N-Nitroso-di-n-propylamine	mg/L			0.0012 U							
	N-Nitrosodiphenylamine	mg/L			0.0012 U							
n-Octadecane	mg/L											
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		6.7							
Volatiles	1,1,1-Trichloroethane	mg/L			0.0056 U							
	1,1,2,2-Tetrachloroethane	mg/L			0.004 U							
	1,1,2-Trichloroethane	mg/L			0.003 U							
	1,1-Dichloroethane	mg/L			0.0036 U							
	1,1-Dichloroethene	mg/L			0.005 U							
Volatiles	1,2-Dichlorobenzene	mg/L			0.0032 U							
	1,2-Dichloroethane	mg/L			0.003 U							
	1,2-Dichloropropane	mg/L			0.0026 U							
	1,3-Dichlorobenzene	mg/L			0.0036 U							
	1,4-Dichlorobenzene	mg/L			0.0038 U							
	2-Butanone	mg/L										
	2-Chloroethyl vinyl ether	mg/L			0.0022 U							
	Acetone	mg/L										
	Acrolein	mg/L			0.03 U							
	Acrylonitrile	mg/L			0.028 U							
	Bromodichloromethane	mg/L			0.0034 U							
	Bromoform	mg/L			0.003 U							
	Bromomethane	mg/L			0.0076 U							
	Carbon Tetrachloride	mg/L			0.0034 U							
	Chlorobenzene	mg/L			0.0018 U							

Table C-12 LRI
2019 Compliance Comparison

					January		February		March		April	
					1/15/2019		2/28/2019		3/31/2019		4/1/2019	
					1837	January	2657	February	2658	March		April
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	Average	SMR	Average	SMR	Average	SMR	Average
	Chloroethane	mg/L			0.0024 U							
	Chloroform	mg/L			0.0026 U							
	Chloromethane	mg/L			0.0048 U							
	cis-1,3-Dichloropropene	mg/L			0.0018 U							
	Dibromochloromethane	mg/L			0.0024 U							
	Methylene Chloride	mg/L			0.0084 U							
	Styrene	mg/L			0.0026 U							
	Tetrachloroethene	mg/L			0.0036 U							
	Total 1,2-Dichloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L			0.0036 U							
	trans-1,3-Dichloropropene	mg/L			0.0024 U							
	Trichloroethene	mg/L			0.003 U							
	Trichlorofluoromethane	mg/L			0.003 U							
	Vinyl Chloride	mg/L			0.003 U							

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-12 LRI
2019 Compliance Comparison

					May		June			July	
					5/31/2019		6/28/2019	6/30/2019		7/31/2019	
					2660	May	3446	2661	June	3444	July
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	Sample	SMR	Average	Sample	Average
Flow, pH, and Temperature	Flow	GPD	65000		0	25372		0	16421		19577
	pH	pH Units	5.5 - 11				8.01			8.15	
		pH_unit	5.5 - 11								
	Temperature	°F	100					75.9			69.6
Deg. F		100									
BTEX	Benzene	mg/L					0.012				
	Ethylbenzene	mg/L					0.022				
	m,p-Xylene	mg/L					0.042				
	o-Xylene	mg/L					0.022				
	Toluene	mg/L					0.034				
Conventionals	Ammonia as N	mg/L					1970				
	BOD	mg/L					2130				
	COD	mg/L					9520				
	Cyanide, Total	mg/L	.64				0.025 U				
	Total Suspended Solids	mg/L					270				
HPAHs	Benzo(a)anthracene	mg/L					0.0012 U				
	Benzo(a)pyrene	mg/L					0.0015 U				
	Benzo(b,k)fluoranthene	mg/L					0.0023 U				
	Benzo(g,h,i)perylene	mg/L					0.0015 U				
	Chrysene	mg/L					0.0012 U				
	Dibenz(a,h)anthracene	mg/L					0.0017 U				
	Fluoranthene	mg/L					0.0008 U				
	Indeno(1,2,3-cd)pyrene	mg/L					0.0015 U				
LPAHs	Pyrene	mg/L					0.0013 U				
	Acenaphthene	mg/L					0.0012 U				
	Acenaphthylene	mg/L					0.0012 U				
	Anthracene	mg/L					0.0011 U				
	Fluorene	mg/L					0.0013 U				
	Naphthalene	mg/L					0.017				
Metals	Phenanthrene	mg/L					0.0011 U				
	Arsenic	mg/L	0.23				0.224				
	Cadmium	mg/L	0.25				0.0613				
	Chromium	mg/L	1.0				1.44			1.03	
	Chromium, hexavalent	mg/L	.25				0.43			1.14	
	Copper	mg/L	1.0				0.278				
	Lead	mg/L	0.4				0.212				
	Mercury	mg/L	0.05				0.00011 U				
	Molybdenum	mg/L	1.0				0.0831				
Nickel	mg/L	1.0				0.742					

Table C-12 LRI
2019 Compliance Comparison

					May		June			July	
					5/31/2019		6/28/2019	6/30/2019		7/31/2019	
					2660	May	3446	2661	June	3444	July
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	Sample	SMR	Average	Sample	Average
	Selenium	mg/L	0.1				0.00063 U				
	Silver	mg/L	0.2				0.00079 U				
	Zinc	mg/L	2				0.541				
Nutrients	Nitrate+Nitrite as N	mg/L					0.22 U				
Phenols	Pentachlorophenol	mg/L					0.0077 U				
	Phenol	mg/L					1.2				
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L					0.057				
	Butyl benzyl phthalate	mg/L					0.0016 U				
	Diethyl phthalate	mg/L					0.0024 U				
	Dimethyl phthalate	mg/L					0.0011 U				
	Di-n-butyl phthalate	mg/L					0.0023 U				
	Di-n-octyl phthalate	mg/L					0.0021 U				
SVOA	1,2,4-Trichlorobenzene	mg/L					0.0015 U				
	1,2-Diphenylhydrazine	mg/L					0.0015 U				
	2,2'-oxybis(1-chloropropane)	mg/L					0.0013 U				
	2,3-Dichloroaniline	mg/L					0.0013 U				
	2,4,6-Trichlorophenol	mg/L					0.0018 U				
	2,4-Dichlorophenol	mg/L					0.0017 U				
	2,4-Dimethylphenol	mg/L					0.0032 U				
	2,4-Dinitrophenol	mg/L					0.034 U				
	2,4-Dinitrotoluene	mg/L					0.0023 U				
	2,6-Dinitrotoluene	mg/L					0.0025 U				
	2-Chloronaphthalene	mg/L					0.0012 U				
	2-Chlorophenol	mg/L					0.0015 U				
	2-Methyl-4,6-dinitrophenol	mg/L					0.0028 U				
	2-Methylphenol (o-Cresol)	mg/L					0.078				
	2-Nitrophenol	mg/L					0.0022 U				
	3 & 4-Methylphenol(p-cresol)	mg/L					1.2				
	3,3'-Dichlorobenzidine	mg/L					0.0014 U				
	4-Bromophenyl phenyl ether	mg/L					0.0014 U				
	4-Chloro-3-Methylphenol	mg/L					0.24				
	4-Chlorophenyl phenyl ether	mg/L					0.0014 U				
	4-Nitrophenol	mg/L					0.0085 U				
	Acetophenone	mg/L					0.034				
	Aniline	mg/L					0.095				

Table C-12 LRI
2019 Compliance Comparison

					May		June			July	
					5/31/2019		6/28/2019	6/30/2019		7/31/2019	
					2660	May	3446	2661	June	3444	July
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	Sample	SMR	Average	Sample	Average
SVOA	Benzidine	mg/L					0.021 U				
	Bis(2-chloroethoxy) methane	mg/L					0.0012 U				
	Bis(2-chloroethyl) ether	mg/L					0.0012 U				
	Carbazole	mg/L					0.0009 U				
	Hexachlorobenzene	mg/L					0.0013 U				
	Hexachlorobutadiene	mg/L					0.0015 U				
	Hexachlorocyclopentadiene	mg/L					0.002 U				
	Hexachloroethane	mg/L					0.0015 U				
	Isophorone	mg/L					0.0014 U				
	n-Decane	mg/L					0.0034 U				
	Nitrobenzene	mg/L					0.0015 U				
	N-Nitrosodimethylamine	mg/L					0.0061 U				
	N-Nitroso-di-n-propylamine	mg/L					0.0012 U				
	N-Nitrosodiphenylamine	mg/L					0.0012 U				
n-Octadecane	mg/L					0.0024 U					
Pyridine	mg/L					0.012 U					
TPH	SGT-HEM	mg/L	50				8.6				
Volatiles	1,1,1-Trichloroethane	mg/L					0.002 U				
	1,1,2,2-Tetrachloroethane	mg/L					0.004 U				
	1,1,2-Trichloroethane	mg/L					0.01 U				
	1,1-Dichloroethane	mg/L					0.002 U				
	1,1-Dichloroethene	mg/L					0.004 U				
Volatiles	1,2-Dichlorobenzene	mg/L					0.004 U				
	1,2-Dichloroethane	mg/L					0.004 U				
	1,2-Dichloropropane	mg/L					0.002 U				
	1,3-Dichlorobenzene	mg/L					0.004 U				
	1,4-Dichlorobenzene	mg/L					0.004 U				
	2-Butanone	mg/L									
	2-Chloroethyl vinyl ether	mg/L					0.0022 U				
	Acetone	mg/L									
	Acrolein	mg/L					0.021 U				
	Acrylonitrile	mg/L					0.028 U				
	Bromodichloromethane	mg/L					0.004 U				
	Bromoform	mg/L					0.004 U				
	Bromomethane	mg/L					0.01 U				
	Carbon Tetrachloride	mg/L					0.004 U				
	Chlorobenzene	mg/L					0.004 U				

Table C-12 LRI
2019 Compliance Comparison

					May		June			July	
					5/31/2019		6/28/2019	6/30/2019		7/31/2019	
					2660	May	3446	2661	June	3444	July
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	Sample	SMR	Average	Sample	Average
	Chloroethane	mg/L					0.006 U				
	Chloroform	mg/L					0.004 U				
	Chloromethane	mg/L					0.004 U				
	cis-1,3-Dichloropropene	mg/L					0.004 U				
	Dibromochloromethane	mg/L					0.004 U				
	Methylene Chloride	mg/L					0.006 U				
	Styrene	mg/L					0.004 U				
	Tetrachloroethene	mg/L					0.004 U				
	Total 1,2-Dichloroethene	mg/L									
	trans-1,2-Dichloroethene	mg/L					0.004 U				
	trans-1,3-Dichloropropene	mg/L					0.004 U				
	Trichloroethene	mg/L					0.004 U				
	Trichlorofluoromethane	mg/L					0.004 U				
	Vinyl Chloride	mg/L					0.004 U				

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-12 LRI
2019 Compliance Comparison

					August		September		October		November	
					8/21/2019	8/28/2019		9/1/2019		10/1/2019		11/21/2019
					3092	3443	August		September		October	4072
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	Sample	Average	SMR	Average	SMR	Average	Sample
Flow, pH, and Temperature	Flow	GPD	65000				18338		25748		21322	
	pH	pH Units	5.5 - 11				8.09					
		pH_unit	5.5 - 11									6.52
	Temperature	°F	100				72.3					
Deg. F		100									44.4	
BTEX	Benzene	mg/L					0.013					0.014
	Ethylbenzene	mg/L					0.023					0.022
	m,p-Xylene	mg/L					0.040					0.040
	o-Xylene	mg/L					0.022					0.020
	Toluene	mg/L					0.031					0.031
Conventionals	Ammonia as N	mg/L					1610					1380
	BOD	mg/L					1300					875
	COD	mg/L					8030					7150
	Cyanide, Total	mg/L	.64				0.025 U					0.025 U
	Total Suspended Solids	mg/L					81.3					413
HPAHs	Benzo(a)anthracene	mg/L					0.0011 U					0.0012 U
	Benzo(a)pyrene	mg/L					0.0015 U					0.0015 U
	Benzo(b,k)fluoranthene	mg/L					0.0022 U					0.0023 U
	Benzo(g,h,i)perylene	mg/L					0.0014 U					0.0015 U
	Chrysene	mg/L					0.0011 U					0.0012 U
	Dibenz(a,h)anthracene	mg/L					0.0016 U					0.0017 U
	Fluoranthene	mg/L					0.0007 U					0.0008 U
	Indeno(1,2,3-cd)pyrene	mg/L					0.0015 U					0.0016 U
	Pyrene	mg/L					0.0013 U					0.0013 U
LPAHs	Acenaphthene	mg/L					0.0012 U					0.0013 U
	Acenaphthylene	mg/L					0.0012 U					0.0013 U
	Anthracene	mg/L					0.001 U					0.0011 U
	Fluorene	mg/L					0.0013 U					0.0013 U
	Naphthalene	mg/L					0.017					0.015
	Phenanthrene	mg/L					0.001 U					0.0011 U
Metals	Arsenic	mg/L	0.23				0.182					0.244
	Cadmium	mg/L	0.25				0.0355					0.0764
	Chromium	mg/L	1.0				0.580	0.723				1.25
	Chromium, hexavalent	mg/L	.25				0.405	0.531				0.118 U
	Copper	mg/L	1.0				0.099					0.396
	Lead	mg/L	0.4				0.0986					0.176
	Mercury	mg/L	0.05				0.00011 U					0.00011 U
	Molybdenum	mg/L	1.0				0.0485					0.0571
Nickel	mg/L	1.0				0.59					0.549	

Table C-12 LRI
2019 Compliance Comparison

					August		September		October		November	
					8/21/2019	8/28/2019		9/1/2019		10/1/2019		11/21/2019
					3092	3443	August		September		October	4072
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	Sample	Average	SMR	Average	SMR	Average	Sample
	Selenium	mg/L	0.1		0.00063 U							0.00063 U
	Silver	mg/L	0.2		0.00079 U							0.00079 U
	Zinc	mg/L	2		0.35							0.524
Nutrients	Nitrate+Nitrite as N	mg/L			0.502							0.48 U
Phenols	Pentachlorophenol	mg/L			0.0074 U							0.0078 U
	Phenol	mg/L			0.73							0.22
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L			0.042							0.052
	Butyl benzyl phthalate	mg/L			0.0015 U							0.0016 U
	Diethyl phthalate	mg/L			0.0023 U							0.0024 U
	Dimethyl phthalate	mg/L			0.001 U							0.0011 U
	Di-n-butyl phthalate	mg/L			0.0022 U							0.0023 U
	Di-n-octyl phthalate	mg/L			0.002 U							0.0021 U
SVOA	1,2,4-Trichlorobenzene	mg/L			0.0014 U							0.0015 U
	1,2-Diphenylhydrazine	mg/L			0.0014 U							0.0015 U
	2,2'-oxybis(1-chloropropane)	mg/L			0.0013 U							0.0013 U
	2,3-Dichloroaniline	mg/L			0.0013 U							0.0013 U
	2,4,6-Trichlorophenol	mg/L			0.0017 U							0.0018 U
	2,4-Dichlorophenol	mg/L			0.0016 U							0.0017 U
	2,4-Dimethylphenol	mg/L			0.031							0.012
	2,4-Dinitrophenol	mg/L			0.032 U							0.034 U
	2,4-Dinitrotoluene	mg/L			0.0022 U							0.0023 U
	2,6-Dinitrotoluene	mg/L			0.0024 U							0.0025 U
	2-Chloronaphthalene	mg/L			0.0011 U							0.0012 U
		2-Chlorophenol	mg/L			0.0015 U						
2-Methyl-4,6-dinitrophenol		mg/L			0.0026 U							0.0028 U
2-Methylphenol (o-Cresol)		mg/L			0.077							0.041
2-Nitrophenol		mg/L			0.0021 U							0.0023 U
3 & 4-Methylphenol(p-cresol)		mg/L			0.94							0.16
3,3'-Dichlorobenzidine		mg/L			0.0013 U							0.0014 U
4-Bromophenyl phenyl ether		mg/L			0.0013 U							0.0014 U
4-Chloro-3-Methylphenol		mg/L			0.0016 U							0.0017 U
4-Chlorophenyl phenyl ether		mg/L			0.0013 U							0.0014 U
4-Nitrophenol		mg/L			0.0081 U							0.0086 U
Acetophenone		mg/L			0.025							0.021
Aniline		mg/L			0.082							0.061

Table C-12 LRI
2019 Compliance Comparison

					August		September		October		November	
					8/21/2019	8/28/2019		9/1/2019		10/1/2019		11/21/2019
					3092	3443	August		September		October	4072
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	Sample	Average	SMR	Average	SMR	Average	Sample
SVOA	Benzidine	mg/L			0.02 U							0.021 U
	Bis(2-chloroethoxy) methane	mg/L			0.0012 U							0.0013 U
	Bis(2-chloroethyl) ether	mg/L			0.0012 U							0.0013 U
	Carbazole	mg/L			0.0009 U							0.0009 U
	Hexachlorobenzene	mg/L			0.0013 U							0.0013 U
	Hexachlorobutadiene	mg/L			0.0015 U							0.0016 U
	Hexachlorocyclopentadiene	mg/L			0.0019 U							0.002 U
	Hexachloroethane	mg/L			0.0015 U							0.0016 U
	Isophorone	mg/L			0.0013 U							0.0014 U
	n-Decane	mg/L			0.0032 U							0.0034 U
	Nitrobenzene	mg/L			0.0015 U							0.0016 U
	N-Nitrosodimethylamine	mg/L			0.0058 U							0.0062 U
	N-Nitroso-di-n-propylamine	mg/L			0.0011 U							0.0012 U
	N-Nitrosodiphenylamine	mg/L			0.0011 U							0.0012 U
	n-Octadecane	mg/L			0.0023 U							0.0024 U
Pyridine	mg/L			0.011 U							0.012 U	
TPH	SGT-HEM	mg/L	50		2 U							5.3
Volatiles	1,1,1-Trichloroethane	mg/L			0.0056 U							0.0056 U
	1,1,2,2-Tetrachloroethane	mg/L			0.004 U							0.004 U
	1,1,2-Trichloroethane	mg/L			0.003 U							0.003 U
	1,1-Dichloroethane	mg/L			0.0036 U							0.0036 U
	1,1-Dichloroethene	mg/L			0.005 U							0.005 U
Volatiles	1,2-Dichlorobenzene	mg/L			0.0032 U							0.0032 U
	1,2-Dichloroethane	mg/L			0.003 U							0.003 U
	1,2-Dichloropropane	mg/L			0.0026 U							0.0026 U
	1,3-Dichlorobenzene	mg/L			0.0036 U							0.0036 U
	1,4-Dichlorobenzene	mg/L			0.0038 U							0.0038 U
	2-Butanone	mg/L										1.1
	2-Chloroethyl vinyl ether	mg/L			0.0022 U							0.0022 U
	Acetone	mg/L										1.4
	Acrolein	mg/L			0.03 U							0.03 U
	Acrylonitrile	mg/L			0.028 U							0.028 U
	Bromodichloromethane	mg/L			0.0034 U							0.0034 U
	Bromoform	mg/L			0.003 U							0.003 U
	Bromomethane	mg/L			0.0076 U							0.0076 U
	Carbon Tetrachloride	mg/L			0.0034 U							0.0034 U
	Chlorobenzene	mg/L			0.0018 U							0.0018 U

Table C-12 LRI
2019 Compliance Comparison

					August		September		October		November	
					8/21/2019	8/28/2019	9/1/2019	10/1/2019	11/21/2019			
					3092	3443	August	September	October	4072		
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	Sample	Average	SMR	Average	SMR	Average	Sample
	Chloroethane	mg/L			0.0024 U							0.0024 U
	Chloroform	mg/L			0.0026 U							0.0026 U
	Chloromethane	mg/L			0.0048 U							0.0048 U
	cis-1,3-Dichloropropene	mg/L			0.0018 U							0.0018 U
	Dibromochloromethane	mg/L			0.0024 U							0.0024 U
	Methylene Chloride	mg/L			0.0084 U							0.023
	Styrene	mg/L			0.0026 U							0.0026 U
	Tetrachloroethene	mg/L			0.0036 U							0.0036 U
	Total 1,2-Dichloroethene	mg/L										0.01 U
	trans-1,2-Dichloroethene	mg/L			0.0036 U							
	trans-1,3-Dichloropropene	mg/L			0.0024 U							0.0024 U
	Trichloroethene	mg/L			0.003 U							0.003 U
	Trichlorofluoromethane	mg/L			0.003 U							0.003 U
	Vinyl Chloride	mg/L			0.003 U							0.003 U

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-12 LRI
2019 Compliance Comparison

					November	December	
						12/1/2019	
Category	Parameter	Unit	Daily Limit	Monthly Limit	November Average	December SMR	December Average
Flow, pH, and Temperature	Flow	GPD	65000		18187		36867
	pH	pH Units	5.5 - 11				
		pH_unit	5.5 - 11				
	Temperature	°F	100				
Deg. F		100					
BTEX	Benzene	mg/L					
	Ethylbenzene	mg/L					
	m,p-Xylene	mg/L					
	o-Xylene	mg/L					
	Toluene	mg/L					
Conventional	Ammonia as N	mg/L					
	BOD	mg/L					
	COD	mg/L					
	Cyanide, Total	mg/L	.64				
	Total Suspended Solids	mg/L					
HPAHs	Benzo(a)anthracene	mg/L					
	Benzo(a)pyrene	mg/L					
	Benzo(b,k)fluoranthene	mg/L					
	Benzo(g,h,i)perylene	mg/L					
	Chrysene	mg/L					
	Dibenz(a,h)anthracene	mg/L					
	Fluoranthene	mg/L					
	Indeno(1,2,3-cd)pyrene	mg/L					
LPAHs	Pyrene	mg/L					
	Acenaphthene	mg/L					
	Acenaphthylene	mg/L					
	Anthracene	mg/L					
	Fluorene	mg/L					
	Naphthalene	mg/L					
Metals	Phenanthrene	mg/L					
	Arsenic	mg/L	0.23				
	Cadmium	mg/L	0.25				
	Chromium	mg/L	1.0				
	Chromium, hexavalent	mg/L	.25				
	Copper	mg/L	1.0				
	Lead	mg/L	0.4				
	Mercury	mg/L	0.05				
	Molybdenum	mg/L	1.0				
Nickel	mg/L	1.0					

Table C-12 LRI
2019 Compliance Comparison

					November	December	
						12/1/2019	
					November		December
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	Average
	Selenium	mg/L	0.1				
	Silver	mg/L	0.2				
	Zinc	mg/L	2				
Nutrients	Nitrate+Nitrite as N	mg/L					
Phenols	Pentachlorophenol	mg/L					
	Phenol	mg/L					
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L					
	Butyl benzyl phthalate	mg/L					
	Diethyl phthalate	mg/L					
	Dimethyl phthalate	mg/L					
	Di-n-butyl phthalate	mg/L					
	Di-n-octyl phthalate	mg/L					
SVOA	1,2,4-Trichlorobenzene	mg/L					
	1,2-Diphenylhydrazine	mg/L					
	2,2'-oxybis(1-chloropropane)	mg/L					
	2,3-Dichloroaniline	mg/L					
	2,4,6-Trichlorophenol	mg/L					
	2,4-Dichlorophenol	mg/L					
	2,4-Dimethylphenol	mg/L					
	2,4-Dinitrophenol	mg/L					
	2,4-Dinitrotoluene	mg/L					
	2,6-Dinitrotoluene	mg/L					
	2-Chloronaphthalene	mg/L					
	2-Chlorophenol	mg/L					
	2-Methyl-4,6-dinitrophenol	mg/L					
	2-Methylphenol (o-Cresol)	mg/L					
	2-Nitrophenol	mg/L					
	3 & 4-Methylphenol(p-cresol)	mg/L					
	3,3'-Dichlorobenzidine	mg/L					
	4-Bromophenyl phenyl ether	mg/L					
	4-Chloro-3-Methylphenol	mg/L					
	4-Chlorophenyl phenyl ether	mg/L					
	4-Nitrophenol	mg/L					
	Acetophenone	mg/L					
	Aniline	mg/L					

Table C-12 LRI
2019 Compliance Comparison

					November	December	
						12/1/2019	
Category	Parameter	Unit	Daily Limit	Monthly Limit	November Average	SMR	December Average
SVOA	Benzidine	mg/L					
	Bis(2-chloroethoxy) methane	mg/L					
	Bis(2-chloroethyl) ether	mg/L					
	Carbazole	mg/L					
	Hexachlorobenzene	mg/L					
	Hexachlorobutadiene	mg/L					
	Hexachlorocyclopentadiene	mg/L					
	Hexachloroethane	mg/L					
	Isophorone	mg/L					
	n-Decane	mg/L					
	Nitrobenzene	mg/L					
	N-Nitrosodimethylamine	mg/L					
	N-Nitroso-di-n-propylamine	mg/L					
	N-Nitrosodiphenylamine	mg/L					
n-Octadecane	mg/L						
Pyridine	mg/L						
TPH	SGT-HEM	mg/L	50				
Volatiles	1,1,1-Trichloroethane	mg/L					
	1,1,2,2-Tetrachloroethane	mg/L					
	1,1,2-Trichloroethane	mg/L					
	1,1-Dichloroethane	mg/L					
	1,1-Dichloroethene	mg/L					
Volatiles	1,2-Dichlorobenzene	mg/L					
	1,2-Dichloroethane	mg/L					
	1,2-Dichloropropane	mg/L					
	1,3-Dichlorobenzene	mg/L					
	1,4-Dichlorobenzene	mg/L					
	2-Butanone	mg/L					
	2-Chloroethyl vinyl ether	mg/L					
	Acetone	mg/L					
	Acrolein	mg/L					
	Acrylonitrile	mg/L					
	Bromodichloromethane	mg/L					
	Bromoform	mg/L					
	Bromomethane	mg/L					
	Carbon Tetrachloride	mg/L					
Chlorobenzene	mg/L						

Table C-12 LRI
2019 Compliance Comparison

					November	December	
						12/1/2019	
Category	Parameter	Unit	Daily Limit	Monthly Limit	November Average	SMR	December Average
	Chloroethane	mg/L					
	Chloroform	mg/L					
	Chloromethane	mg/L					
	cis-1,3-Dichloropropene	mg/L					
	Dibromochloromethane	mg/L					
	Methylene Chloride	mg/L					
	Styrene	mg/L					
	Tetrachloroethene	mg/L					
	Total 1,2-Dichloroethene	mg/L					
	trans-1,2-Dichloroethene	mg/L					
	trans-1,3-Dichloropropene	mg/L					
	Trichloroethene	mg/L					
	Trichlorofluoromethane	mg/L					
	Vinyl Chloride	mg/L					

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-13
2019 Compliance Comparison

NO DISCHARGE IN 2019

Table C-14 Motive Power Marine
2019 Compliance Comparison

					March	May		June	September
					3/12/2019	5/22/2019	5/23/2019	6/28/2019	9/17/2019
					4445	1998	1998	1918	1919
					SMR	Sample	Sample	SMR	SMR
Category	Parameter	Unit	Daily Limit	Monthly Limit					
Flow, pH, and Temperature	pH	pH Units	5.5 - 11		7.19	7.22		7.07	7.28
	Temperature	Deg. F	100			61.5			
Conventionals	Cyanide, Total	mg/L	0.64				0.005 U		
Metals	Arsenic	mg/L	0.1		.025 U		0.0001 U	.0007	.0013
	Cadmium	mg/L	0.25		.003 U		0.00012 U	.0002 U	.0002
	Chromium	mg/L	1		.007 U		0.0023 U	0.0032	0.0035
	Copper	mg/L	1		.236		0.826	0.464	0.676
	Lead	mg/L	0.4		.025 U		0.0115	0.0079	0.0072
	Mercury	mg/L	0.05		.0005 U		2E-05 U	.0005 U	.0005 U
	Molybdenum	mg/L	1		.005 U		0.0004 U		.0036
		pH Units	1					.0048	
	Nickel	mg/L	1		.015 U		0.00333	.0054	.0052
	Selenium	mg/L	0.1		.025 U		0.00013 U	.0003 U	.0013
	Silver	mg/L	0.2		.007 U		0.00016 U	.0002 U	.0002 U
	Tin	mg/L			.025 U			.025 U	.025 U
Zinc	mg/L	2		.352		0.558	.336	0.601	
TPH	SGT-HEM	mg/L	50		5.0 U	5.0 U		4.49	0.32

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UJ - Analyte not detected at or above the associated estimated value.

J - The result is an estimated concentration.

Table C-15 Murrey's Disposal
2019 Compliance Comparison

				March	April		August	September	November
				3/21/2019	4/10/2019	4/25/2019	8/22/2019	9/17/2019	11/21/2019
				2967	3063	2968	3062	2969	2970
Category	Parameter	Unit	Daily Limit	SMR	Sample	SMR	Sample	SMR	SMR
Flow, pH, and Temperature	pH	pH Units	5.5 - 11	7.9	6.48	6.5	6.80	6.8	8.0
	Temperature	°F	100		54.3		65.1		
Conventionals	Cyanide, Total	mg/L	0.64	0.060 U	0.01 U	0.060 U	ND J	0.0125 U	0.0125 U
Metals	Arsenic	mg/L	0.1	0.0059	0.0219	0.0067	0.00482	0.004	0.00628
	Cadmium	mg/L	0.25	0.0013	0.00551	0.0018	0.00106	0.0067	0.00258
	Chromium	mg/L	1	0.016	0.0277	0.010	0.0241	0.010	0.0116
	Chromium, hexavalent	mg/L	0.25	0.012 U		0.012 U		0.00506 U	0.0594
	Copper	mg/L	1	0.058	0.164	0.091	0.0530	0.042	0.0386
	Lead	mg/L	0.4	0.020	0.0459	0.025	0.0108	0.012	0.0122
	Mercury	mg/L	0.05	0.00015 U	0.000338	0.00030 U	0.000124	0.00000753 U	0.00000753 U
	Molybdenum	mg/L	1	0.026	0.0583	0.029	0.00737	0.013	0.0138
	Nickel	mg/L	1	0.019	0.292	0.026	0.0239	0.019	0.0172
	Selenium	mg/L	0.1		0.00102		ND J		
	Silver	mg/L	0.2	0.00021 J	0.00105	0.00014 J	ND J	0.00020	0.0000859 U
Zinc	mg/L	2	0.56	1.28	0.39	2.50	0.68	0.904	
Other	Instantaneous Flow	gpm	10						10
TPH	HEM	mg/L		20.1		4.9 U			19.7
	SGT-HEM	mg/L	50	10.4		4.9 U	16.9	3.71	6.97

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UJ - Analyte not detected at or above the associated estimated value.

J - The result is an estimated concentration.

Table C- 16 Northstar Chemical
2019 Compliance Comparison

				January	February		March			April	May	June	August	September		October
				1/8/2019	2/6/2019	2/14/2019	3/4/2019	3/18/2019	3/20/2019	4/12/2019	5/15/2019	6/17/2019	8/9/2019	9/3/2019	9/23/2019	10/8/2019
				2716	2716	2716	2716	3033	2716	2717	2717	2717	2718	2718	2718	2719
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Sample	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	pH	pH Units	5.5 - 11	8.01	6.96	9.83	6.45	6.37	6.66	8.43	7.76	7.29	7.31	7.19	7.17	8.96
	Temperature	°F	100					46.4								
Conventionals	Cyanide, Total	mg/L	0.64					0.034 J								
Metals	Arsenic	mg/L	0.1	0.025 U	0.025 U	0.025 U	0.066	0.0678	0.083	0.25 U	0.025 U	0.025 U	0.047	0.042	0.025 U	0.025 U
	Cadmium	mg/L	0.25					0.00347								
	Chromium	mg/L	1	0.028	0.007 U	0.035	0.039	0.0489	0.07	0.116	0.007 U	0.047	0.185	0.232	0.089	0.007 U
	Chromium, hexavalent	mg/L	0.25							0.01 U		0.01 U				
	Copper	mg/L	1	0.006 U	0.006 U	0.2	0.136	0.176	0.075	0.12	0.072	0.055	0.106	0.077	0.053	0.006 U
	Lead	mg/L	0.4	0.025 U	0.025 U	0.05	0.059	0.0583	0.025 U	0.025 U	0.025 U	0.025 U	0.038	0.032	0.027	0.025 U
	Mercury	mg/L	0.05						0.00011 U							
	Molybdenum	mg/L	1						0.00988							
	Nickel	mg/L	1	0.015 U	0.045	0.043	0.042	0.0551	0.146	0.077	0.015 U	0.072	0.015 U	0.015 U	0.015 U	0.015 U
	Selenium	mg/L	0.1						0.00184							
	Silver	mg/L	0.2						0.00016 U							
	Zinc	mg/L	2	0.007	0.091	0.759	1.37	1.84	0.738	0.407	1.133	0.41	1.79	0.693	0.617	0.006 U
TPH	SGT-HEM	mg/L	50	5 U	5 U	22	5 U	11.8	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UJ - Analyte not detected at or above the associated estimated value.

J - The result is an estimated concentration.

Table C- 16 Northstar Chemical
2019 Compliance Comparison

				November		December		
				11/18/2019	11/25/2019	12/6/2019	12/10/2019	12/20/2019
				2719	3034	2719	2719	2719
Category	Parameter	Unit	Daily Limit	SMR	Sample	SMR	SMR	SMR
Flow, pH, and Temperature	pH	pH Units	5.5 - 11	7.9	7.30	7.21	7.36	5.9
	Temperature	°F	100		47.7			
Conventionals	Cyanide, Total	mg/L	0.64		ND J			
Metals	Arsenic	mg/L	0.1	0.025 U	0.00352	0.025 U	0.025 U	0.025 U
	Cadmium	mg/L	0.25		0.00012 U			
	Chromium	mg/L	1	0.028	0.0562	0.024	0.007 U	0.007 U
	Chromium, hexavalent	mg/L	0.25			0.1 U	0.05 U	0.01 U
	Copper	mg/L	1	0.006 U	0.0102	0.272	0.178	0.028
	Lead	mg/L	0.4	0.025 U	0.0001 U	0.058	0.035	0.025 U
	Mercury	mg/L	0.05		0.00157			
	Molybdenum	mg/L	1		0.00907			
	Nickel	mg/L	1	0.015 U	0.0113	0.034	0.015 U	0.015 U
	Selenium	mg/L	0.1		0.00110			
	Silver	mg/L	0.2		0.00016 U			
Zinc	mg/L	2	0.006 U	0.0281	1.81	1.34	0.332	
TPH	SGT-HEM	mg/L	50	5 U	2 U	5 U	8.7	5 U

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UJ - Analyte not detected at or above the associated estimate.

J - The result is an estimated concentration.

Table C-17 Orion Marine Contractors
2019 Compliance Comparison

NO DISCHARGE IN 2019

Table C-18 Pacific Container Corporation
2019 Compliance Comparison

					February		April	July	August	October
					2/20/2019	2/25/2019	4/24/2019	7/10/2019	8/28/2019	10/9/2019
					2776	1436	2777	3622	3042	3623
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	SMR	SMR	Sample	SMR
Flow, pH, and Temperature	pH	pH Units	5.5 - 11		7.37	7.60	7.82	7.11	7.69	7.27
	Temperature	°F	100			54.7			70.3	
Conventionals	Cyanide, Free (amenable)	mg/L					0.01 U			
	Cyanide, Total	mg/L	0.64		0.01 U	ND J	0.01 U	0.01 U	0.005 U	0.01 U
Metals	Arsenic	mg/L	0.1			0.000932			0.0001 U	
	Cadmium	mg/L	0.25			0.00012 U			0.00012 U	
	Chromium	mg/L	1			0.00282			0.00380	
	Copper	mg/L	1		0.012	0.00812	0.008	0.035	0.144	0.044
	Lead	mg/L	0.4			0.000300			0.0001 U	
	Mercury	mg/L	0.05			0.000028			2E-05 U	
	Molybdenum	mg/L	1		0.35	0.171	0.05	0.090	0.0779	0.042
	Nickel	mg/L	1			0.00207			0.00980	
	Selenium	mg/L	0.1			0.000308			0.00013 U	
	Silver	mg/L	0.2			0.00016 U			0.00016 U	
Zinc	mg/L	2			0.006 U	0.00431	0.006 U	0.037	0.00576	0.014
TPH	SGT-HEM	mg/L	50		5 U	8.9	5 U	5.0 U	12.2	5 U

Bold - The analyte was present in the sample.
 U - Analyte not detected at or above the associated value.
 UU - Analyte not detected at or above the associated estimated value.
 J - The result is an estimated concentration.

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				January			February			March		April			
				1/1/2019	1/25/2019		2/1/2019			3/14/2019		4/16/2019	4/24/2019	4/25/2019	
				2997	2997	January	1394	2997	February	2997	March	2998	3097	3097	April
Category	Parameter	Unit	Daily Limit	SMR	SMR	Average	Sample	SMR	Average	SMR	Average	SMR	Sample	Sample	Average
Flow, pH, and Temperature	Flow	Gallon	64800			0			41570		41600				84239
	pH	pH Units	5.5 - 11		6.5		6.77			6.5		6	7.22		
	Temperature	°F	100				47.3						56.1		
BTEX	Benzene	mg/L			0.001 U		0.0022 U			0.001 U			0.0022 U		
		ug/L										1 U			
	BTEX	mg/L	10	0	0.0185		0		0.01535		0.0246				
	Ethylbenzene	mg/L			0.0013 U		0.0032 U			0.0012 U			0.0032 U		
		ug/L										2.1			
	m,p-Xylene	mg/L			0.0113		0.0084 U			0.00876			0.0084 U		
		ug/L										16.3			
	o-Xylene	mg/L					0.0067						0.011		
ug/L															
Toluene	mg/L			0.0049		0.0054 U			0.00439			0.0054 U			
	ug/L										5.2				
Conventionals	BOD	mg/L			1400		1660			1200		720		637	
	COD	mg/L			2300		2380			2200		1100		1020	
	Cyanide, Total	mg/L	0.64											0.005 U	
	Total Suspended Solids	mg/L			51		27.2			35		86		23.0	
HPAHs	Benzo(a)anthracene	mg/L												0.0012 U	
	Benzo(a)pyrene	mg/L												0.0015 U	
	Benzo(b,k)fluoranthene	mg/L												0.0023 U	
	Benzo(g,h,i)perylene	mg/L												0.0015 U	
	Chrysene	mg/L												0.0012 U	
	Dibenz(a,h)anthracene	mg/L												0.0017 U	
	Fluoranthene	mg/L												0.0008 U	
	Indeno(1,2,3-cd)pyrene	mg/L												0.0016 U	
Pyrene	mg/L												0.0013 U		
LPAHs	2-Methylnaphthalene	mg/L												0.0013 U	
	Acenaphthene	mg/L												0.0013 U	
	Acenaphthylene	mg/L												0.0013 U	
	Anthracene	mg/L												0.0011 U	
	Fluorene	mg/L												0.0013 U	
	Naphthalene	mg/L												0.0013 U	
	Phenanthrene	mg/L												0.0011 U	
Metals	Arsenic	mg/L	0.1		0.025 U		0.000706			0.025 U		0.025 U		0.0001 U	
	Cadmium	mg/L	0.25		0.003 U		0.00012 U			0.003 U		0.003 U		0.00012 U	
	Chromium	mg/L	1		0.007 U		0.0023 U			0.007 U		0.007 U		0.0023 U	

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				January			February			March		April			
				1/1/2019	1/25/2019		2/1/2019			3/14/2019		4/16/2019	4/24/2019	4/25/2019	
				2997	2997	January	1394	2997	February	2997	March	2998	3097	3097	April
Category	Parameter	Unit	Daily Limit	SMR	SMR	Average	Sample	SMR	Average	SMR	Average	SMR	Sample	Sample	Average
Metals	Chromium, hexavalent	mg/L	0.25									0.01 U			
	Copper	mg/L	1		0.009		0.00073 U			0.023		0.006 U		0.00073 U	
	Lead	mg/L	0.4				0.0001 U			0.025 U		0.025 U		0.0001 U	
	Mercury	mg/L	0.05				2E-05 U			0.0005 U		0.0005 U		2E-05 U	
	Molybdenum	mg/L	1		0.013		0.0116			0.01		0.017		0.0162	
	Nickel	mg/L	1		0.018		0.00369			0.015		0.015 U		0.00300	
	Selenium	mg/L	0.1		0.025		0.00061			0.025		0.025 U		0.00013 U	
	Silver	mg/L	0.2				0.0007 U			0.007 U		0.007 U		0.00016 U	
	Zinc	mg/L	2		0.046		0.00932			0.118		0.022			
PCBs	Aroclor-1016	mg/L			0.0001 U		1E-05 U			0.0001 U		0.0001 U		1E-05 U	
		ug/L													
	Aroclor-1221	mg/L			0.0001 U		4E-05 U			0.0001 U		0.0001 U		3E-05 U	
		ug/L													
	Aroclor-1232	mg/L			0.0001 U		1E-05 U			0.0001 U		0.0001 U		1E-05 U	
		ug/L													
	Aroclor-1242	mg/L			0.0001 U		1E-05 U			0.0001 U		0.0001 U		1E-05 U	
		ug/L													
	Aroclor-1248	mg/L			0.0001 U		1E-05 U			0.0001 U		0.0001 U		1E-05 U	
	ug/L														
Aroclor-1254	mg/L			0.0001 U		2E-05 U			0.0001 U		0.0001 U		2E-05 U		
	ug/L														
Aroclor-1260	mg/L			0.0001 U		2E-05 U			0.0001 U		0.0001 U		2E-05 U		
	ug/L														
	PCBs	mg/L	0.003	0	0.0007			0		0.0007		0.0007			
Phenols	Pentachlorophenol	mg/L												0.0078 U	
	Phenol	mg/L												0.019	
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L												0.0013 U	
	Butyl benzyl phthalate	mg/L												0.0016 U	
	Diethyl phthalate	mg/L												0.0024 U	
	Dimethyl phthalate	mg/L												0.0011 U	
	Di-n-butyl phthalate	mg/L												0.0023 U	
	Di-n-octyl phthalate	mg/L												0.0021 U	
SVOA	1,2,4-Trichlorobenzene	mg/L												0.0015 U	
	1,2-Diphenylhydrazine	mg/L												0.0015 U	
	2,2'-oxybis(1-chloropropane)	mg/L												0.0013 U	
	2,3-Dichloroaniline	mg/L													

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				January			February			March		April			
				1/1/2019	1/25/2019		2/1/2019			3/14/2019		4/16/2019	4/24/2019	4/25/2019	
				2997	2997	January	1394	2997	February	2997	March	2998	3097	3097	April
Category	Parameter	Unit	Daily Limit	SMR	SMR	Average	Sample	SMR	Average	SMR	Average	SMR	Sample	Sample	Average
SVOA	2,4,6-Trichlorophenol	mg/L												0.0018 U	
	2,4-Dichlorophenol	mg/L												0.0017 U	
	2,4-Dimethylphenol	mg/L												0.0032 U	
	2,4-Dinitrophenol	mg/L												0.034 U	
	2,4-Dinitrotoluene	mg/L												0.0023 U	
	2,6-Dinitrotoluene	mg/L												0.0025 U	
	2-Chloronaphthalene	mg/L												0.0012 U	
	2-Chlorophenol	mg/L												0.0016 U	
	2-Methyl-4,6-dinitrophenol	mg/L												0.0028 U	
	2-Methylphenol (o-Cresol)	mg/L													
	2-Nitrophenol	mg/L												0.0023 U	
	3 & 4-Methylphenol(p-cresol)	mg/L													
	3,3'-Dichlorobenzidine	mg/L												0.0014 U	
	4-Bromophenyl phenyl ether	mg/L												0.0014 U	
	4-Chloro-3-Methylphenol	mg/L												0.0017 U	
	4-Chlorophenyl phenyl ether	mg/L												0.0014 U	
	4-Nitrophenol	mg/L												0.0086 U	
	Acetophenone	mg/L													
	Aniline	mg/L													
	Benzidine	mg/L												0.021 U	
	Bis(2-chloroethoxy) methane	mg/L												0.0013 U	
	Bis(2-chloroethyl) ether	mg/L												0.0013 U	
	Carbazole	mg/L													
Hexachlorobenzene	mg/L												0.0013 U		
Hexachlorobutadiene	mg/L												0.0016 U		
Hexachlorocyclopentadiene	mg/L												0.002 U		
Hexachloroethane	mg/L												0.0016 U		
Isophorone	mg/L												0.0014 U		
n-Decane	mg/L														
Nitrobenzene	mg/L												0.0016 U		

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				January			February			March		April				
				1/1/2019	1/25/2019		2/1/2019			3/14/2019		4/16/2019	4/24/2019	4/25/2019		
				2997	2997	January	1394	2997	February	2997	March	2998	3097	3097	April	
Category	Parameter	Unit	Daily Limit	SMR	SMR	Average	Sample	SMR	Average	SMR	Average	SMR	Sample	Sample	Average	
SVOA	N-Nitrosodimethylamine	mg/L												0.0062 U		
	N-Nitroso-di-n-propylamine	mg/L												0.0012 U		
	N-Nitrosodiphenylamine	mg/L												0.0012 U		
	n-Octadecane	mg/L														
	Pyridine	mg/L														
TPH	HEM	mg/L	300		14		1.9 U			5.7		12	1.9 U			
	SGT-HEM	mg/L	50		5.0 U		1.7 U			5.0 U		5.0 U	1.7 U			
Volatiles	1,1,1-Trichloroethane	mg/L					0.0056 U							0.0056 U		
	1,1,2,2-Tetrachloroethane	mg/L					0.004 U							0.004 U		
	1,1,2-Trichloroethane	mg/L					0.003 U							0.003 U		
	1,1-Dichloroethane	mg/L					0.0036 U							0.0036 U		
	1,1-Dichloroethene	mg/L					0.005 U							0.005 U		
	1,2-Dichlorobenzene	mg/L					0.0032 U							0.0032 U		
	1,2-Dichloroethane	mg/L					0.003 U							0.003 U		
	1,2-Dichloropropane	mg/L					0.0026 U							0.0026 U		
	1,3-Dichlorobenzene	mg/L					0.0036 U							0.0036 U		
	1,4-Dichlorobenzene	mg/L					0.0038 U							0.0038 U		
	2-Butanone	mg/L														
	2-Chloroethyl vinyl ether	mg/L					0.0022 U							0.0022 U		
	Acetone	mg/L														
	Acrolein	mg/L						0.03 U							0.03 U	
	Acrylonitrile	mg/L						0.028 U							0.028 U	
	Bromodichloromethane	mg/L						0.0034 U							0.0034 U	
	Bromoform	mg/L						0.003 U							0.003 U	
	Bromomethane	mg/L						0.0076 U							0.0076 U	
	Carbon Tetrachloride	mg/L						0.0034 U							0.0034 U	
	Chlorobenzene	mg/L						0.0018 U							0.0018 U	
	Chloroethane	mg/L						0.0024 U							0.0024 U	
	Chloroform	mg/L						0.0026 U							0.0026 U	
	Chloromethane	mg/L						0.0048 U							0.0048 U	
	cis-1,3-Dichloropropene	mg/L						0.0018 U							0.0018 U	
	Dibromochloromethane	mg/L						0.0024 U							0.0024 U	
	Methylene Chloride	mg/L						0.0084 U							0.0084 U	
	Styrene	mg/L						0.0026 U								
Tetrachloroethene	mg/L						0.0036 U							0.0036 U		
Total 1,2-Dichloroethene	mg/L															
trans-1,2-Dichloroethene	mg/L						0.0036 U							0.0036 U		
trans-1,3-Dichloropropene	mg/L						0.0024 U							0.0024 U		
Trichloroethene	mg/L						0.003 U							0.003 U		
Trichlorofluoromethane	mg/L						0.003 U									
Vinyl Chloride	mg/L						0.003 U									

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				May		June				July				August	
				5/10/2019		6/4/2019	6/28/2019			7/25/2019		7/31/2019		8/1/2019	
				2998	May	2998	1196	2999	June	1196	2999	3098	July	3098	2999
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR	Sample	Average	Sample	SMR
Flow, pH, and Temperature	Flow	Gallon	64800		84299				86887				85107		
	pH	pH Units	5.5 - 11	6.5		6.5		6.5			6.5	7.87			
	Temperature	°F	100									73.0			
BTEX	Benzene	mg/L										0.0022 U			
		ug/L		1 U		1 U	1 U	1 U		1 U	1 U				
	BTEX	mg/L	10	0.01924		6.3752		0.02087			0.0324				0
	Ethylbenzene	mg/L											0.0032 U		
		ug/L		1.7		1.70	1.34	1.34		1 U	1 U				
	m,p-Xylene	mg/L											0.011		
		ug/L		12.8		12.5		11.6							
	o-Xylene	mg/L											0.0076		
ug/L									6	6					
Toluene	mg/L				6.36							0.042			
	ug/L		3.74			6.93	6.93		24.4	24.4					
Conventionals	BOD	mg/L		520		390		1000			310			247	
	COD	mg/L		930		700		1800		590	590			488	
	Cyanide, Total	mg/L	0.64											0.005 U	
	Total Suspended Solids	mg/L		71		60	54	54		76	76			18.7	
HPAHs	Benzo(a)anthracene	mg/L												0.0012 U	
	Benzo(a)pyrene	mg/L												0.0015 U	
	Benzo(b,k)fluoranthene	mg/L												0.0023 U	
	Benzo(g,h,i)perylene	mg/L												0.0015 U	
	Chrysene	mg/L												0.0012 U	
	Dibenz(a,h)anthracene	mg/L												0.0017 U	
	Fluoranthene	mg/L												0.0008 U	
	Indeno(1,2,3-cd)pyrene	mg/L												0.0016 U	
Pyrene	mg/L												0.0013 U		
LPAHs	2-Methylnaphthalene	mg/L													
	Acenaphthene	mg/L												0.0013 U	
	Acenaphthylene	mg/L												0.0013 U	
	Anthracene	mg/L												0.0011 U	
	Fluorene	mg/L												0.0013 U	
	Naphthalene	mg/L												0.0050	
	Phenanthrene	mg/L												0.0011 U	
Metals	Arsenic	mg/L	0.1	0.025 U		0.025 U	0.025 U	0.025 U		0.025 U	0.025 U			0.0001 U	
	Cadmium	mg/L	0.25	0.003 U		0.003 U	0.003 U	0.003 U		0.003 U	0.003 U			0.00012 U	
	Chromium	mg/L	1	0.007 U		0.007 U	0.007 U	0.007 U		0.007 U	0.007 U			0.0023 U	

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				May		June				July				August	
				5/10/2019		6/4/2019	6/28/2019			7/25/2019		7/31/2019		8/1/2019	
				2998	May	2998	1196	2999	June	1196	2999	3098	July	3098	2999
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR	Sample	Average	Sample	SMR
Metals	Chromium, hexavalent	mg/L	0.25	0.05 U		0.02 U				0.01 U	0.01 U				
	Copper	mg/L	1	0.029		0.006 U	0.006 U	0.006 U		0.006 U	0.006 U			0.00073 U	
	Lead	mg/L	0.4	0.025 U		0.025 U	0.025 U	0.025 U		0.025 U	0.025 U			0.0001 U	
	Mercury	mg/L	0.05	0.0005		0.0005 U	0.0005 U	0.0005 U		0.0005 U	0.0005 U			2E-05 U	
	Molybdenum	mg/L	1	0.019		0.019	0.007	0.007		0.025	0.025			0.0198	
	Nickel	mg/L	1	0.015 U		0.015 U	0.015 U	0.015 U		0.015 U	0.015 U			0.00226	
	Selenium	mg/L	0.1	0.025 U		0.025 U	0.025 U	0.025 U		0.025 U	0.025 U			0.00013 U	
	Silver	mg/L	0.2	0.007 U		0.007 U	0.007 U	0.007 U		0.007 U	0.007 U			0.00016 U	
	Zinc	mg/L	2	0.022		0.018	0.017	0.017		0.012	0.012				
PCBs	Aroclor-1016	mg/L												1E-05 U	
		ug/L								0.1 U	0.1 U				
	Aroclor-1221	mg/L												3E-05 U	
		ug/L								0.1 U	0.1 U				
	Aroclor-1232	mg/L												1E-05 U	
		ug/L								0.1 U	0.1 U				
	Aroclor-1242	mg/L												1E-05 U	
		ug/L								0.1 U	0.1 U				
	Aroclor-1248	mg/L												1E-05 U	
		ug/L								0.1 U	0.1 U				
Aroclor-1254	mg/L												2E-05 U		
	ug/L								0.1 U	0.1 U					
Aroclor-1260	mg/L												2E-05 U		
	ug/L								0.1 U	0.1 U					
PCBs	mg/L	0.003	0			0		0							0
Phenols	Pentachlorophenol	mg/L												0.0078 U	
	Phenol	mg/L												0.0086	
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L												0.0013 U	
	Butyl benzyl phthalate	mg/L												0.0016 U	
	Diethyl phthalate	mg/L												0.0053	
	Dimethyl phthalate	mg/L												0.0011 U	
	Di-n-butyl phthalate	mg/L												0.0023 U	
	Di-n-octyl phthalate	mg/L												0.0021 U	
SVOA	1,2,4-Trichlorobenzene	mg/L												0.0015 U	
	1,2-Diphenylhydrazine	mg/L												0.0015 U	
	2,2'-oxybis(1-chloropropane)	mg/L												0.0013 U	
	2,3-Dichloroaniline	mg/L												0.0013 U	

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				May		June			July			August			
				5/10/2019		6/4/2019	6/28/2019			7/25/2019		7/31/2019	8/1/2019		
				2998	May	2998	1196	2999	June	1196	2999	3098	July	3098	2999
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR	Sample	Average	Sample	SMR
SVOA	2,4,6-Trichlorophenol	mg/L												0.0018 U	
	2,4-Dichlorophenol	mg/L												0.0017 U	
	2,4-Dimethylphenol	mg/L												0.0032 U	
	2,4-Dinitrophenol	mg/L												0.034 U	
	2,4-Dinitrotoluene	mg/L												0.0023 U	
	2,6-Dinitrotoluene	mg/L												0.0025 U	
	2-Chloronaphthalene	mg/L												0.0012 U	
	2-Chlorophenol	mg/L												0.0016 U	
	2-Methyl-4,6-dinitrophenol	mg/L												0.0028 U	
	2-Methylphenol (o-Cresol)	mg/L												0.0023	
	2-Nitrophenol	mg/L												0.0023 U	
	3 & 4-Methylphenol(p-cresol)	mg/L												0.0037	
	3,3'-Dichlorobenzidine	mg/L												0.0014 U	
	4-Bromophenyl phenyl ether	mg/L												0.0014 U	
	4-Chloro-3-Methylphenol	mg/L												0.0017 U	
	4-Chlorophenyl phenyl ether	mg/L												0.0014 U	
	4-Nitrophenol	mg/L												0.0086 U	
	Acetophenone	mg/L												0.0039 U	
	Aniline	mg/L												0.0019	
	Benzidine	mg/L												0.021 U	
	Bis(2-chloroethoxy) methane	mg/L												0.0013 U	
	Bis(2-chloroethyl) ether	mg/L												0.0013 U	
	Carbazole	mg/L												0.0009 U	
Hexachlorobenzene	mg/L												0.0013 U		
Hexachlorobutadiene	mg/L												0.0016 U		
Hexachlorocyclopentadiene	mg/L												0.002 U		
Hexachloroethane	mg/L												0.0016 U		
Isophorone	mg/L												0.0014 U		
n-Decane	mg/L												0.0034 U		
Nitrobenzene	mg/L												0.0016 U		

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				May		June				July				August	
				5/10/2019		6/4/2019	6/28/2019			7/25/2019		7/31/2019		8/1/2019	
				2998	May	2998	1196	2999	June	1196	2999	3098	July	3098	2999
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR	Sample	Average	Sample	SMR
SVOA	N-Nitrosodimethylamine	mg/L													0.0062 U
	N-Nitroso-di-n-propylamine	mg/L													0.0012 U
	N-Nitrosodiphenylamine	mg/L													0.0012 U
	n-Octadecane	mg/L													0.0024 U
	Pyridine	mg/L													0.012 U
TPH	HEM	mg/L	300	13		15	15	15		5 U	5 U	1.9 U			
	SGT-HEM	mg/L	50	5 U		8.0	7.8	7.8		5 U	5 U	2 U			
Volatiles	1,1,1-Trichloroethane	mg/L													0.0056 U
	1,1,2,2-Tetrachloroethane	mg/L													0.004 U
	1,1,2-Trichloroethane	mg/L													0.003 U
	1,1-Dichloroethane	mg/L													0.0036 U
	1,1-Dichloroethene	mg/L													0.005 U
	1,2-Dichlorobenzene	mg/L													0.0032 U
	1,2-Dichloroethane	mg/L													0.003 U
	1,2-Dichloropropane	mg/L													0.0026 U
	1,3-Dichlorobenzene	mg/L													0.0036 U
	1,4-Dichlorobenzene	mg/L													0.0038 U
	2-Butanone	mg/L													
	2-Chloroethyl vinyl ether	mg/L													0.0022 U
	Acetone	mg/L													
	Acrolein	mg/L													0.03 U
	Acrylonitrile	mg/L													0.028 U
	Bromodichloromethane	mg/L													0.0034 U
	Bromoform	mg/L													0.003 U
	Bromomethane	mg/L													0.0076 U
	Carbon Tetrachloride	mg/L													0.0034 U
	Chlorobenzene	mg/L													0.0018 U
	Chloroethane	mg/L													0.0024 U
	Chloroform	mg/L													0.0026 U
	Chloromethane	mg/L													0.0048 U
	cis-1,3-Dichloropropene	mg/L													0.0018 U
	Dibromochloromethane	mg/L													0.0024 U
	Methylene Chloride	mg/L													0.0084 U
	Styrene	mg/L													
Tetrachloroethene	mg/L													0.0036 U	
Total 1,2-Dichloroethene	mg/L														
trans-1,2-Dichloroethene	mg/L													0.0036 U	
trans-1,3-Dichloropropene	mg/L													0.0024 U	
Trichloroethene	mg/L													0.003 U	
Trichlorofluoromethane	mg/L														
Vinyl Chloride	mg/L														

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				September		October		November				December		
				9/5/2019		10/8/2019		11/8/2019	11/18/2019	11/19/2019		12/16/2019		
Category	Parameter	Unit	Daily Limit	August	2999	September	1201	October	1201	4096	4096	November	1201	December
				Average	SMR	Average	SMR	Average	SMR	Sample	Sample	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon	64800	50564		35552		89932				86049		90493
	pH	pH Units	5.5 - 11		6.5		6.0		6.0	7.20			7.0	
	Temperature	°F	100							52.7				
BTEX	Benzene	mg/L								0.0022 U				
		ug/L			1 U		1 U		1 U				1 U	
	BTEX	mg/L	10		0.02167		0.0172		0.0193				0	
	Ethylbenzene	mg/L									0.0032 U			
		ug/L				1 U		1 U		1 U				1 U
	m,p-Xylene	mg/L									0.0084 U			
		ug/L						2 U		4.1				3.97
	o-Xylene	mg/L									0.0026 U			
ug/L					4.67									
Toluene	mg/L									0.012				
	ug/L				15		13.2		13.2				12.9	
Conventionals	BOD	mg/L			380							364	220	
	COD	mg/L			650		960		570			645	470	
	Cyanide, Total	mg/L	0.64									0.005 U		
	Total Suspended Solids	mg/L			55		15		43			10.0	44	
HPAHs	Benzo(a)anthracene	mg/L										0.0012 U		
	Benzo(a)pyrene	mg/L										0.0015 U		
	Benzo(b,k)fluoranthene	mg/L										0.0023 U		
	Benzo(g,h,i)perylene	mg/L										0.0015 U		
	Chrysene	mg/L										0.0012 U		
	Dibenz(a,h)anthracene	mg/L										0.0017 U		
	Fluoranthene	mg/L										0.0008 U		
	Indeno(1,2,3-cd)pyrene	mg/L										0.0016 U		
Pyrene	mg/L										0.0013 U			
LPAHs	2-Methylnaphthalene	mg/L												
	Acenaphthene	mg/L										0.0013 U		
	Acenaphthylene	mg/L										0.0013 U		
	Anthracene	mg/L										0.0011 U		
	Fluorene	mg/L										0.0013 U		
	Naphthalene	mg/L										0.0013 U		
	Phenanthrene	mg/L										0.0011 U		
Metals	Arsenic	mg/L	0.1		0.025 U		0.025 U		0.025 U			0.0001 U	0.025 U	
	Cadmium	mg/L	0.25		0.003 U		0.003 U		0.003 U			0.00012 U	0.003 U	
	Chromium	mg/L	1		0.007 U		0.007 U		0.007 U			0.0023 U	0.01	

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				September		October		November			December			
				9/5/2019		10/8/2019		11/8/2019	11/18/2019	11/19/2019	12/16/2019			
				August	2999	September	1201	October	1201	4096	4096	November	1201	December
Category	Parameter	Unit	Daily Limit	Average	SMR	Average	SMR	Average	SMR	Sample	Sample	Average	SMR	Average
Metals	Chromium, hexavalent	mg/L	0.25				0.01 U		0.01 U				0.01 U	
	Copper	mg/L	1		0.007		0.006 U		0.006 U		0.00073 U		0.009	
	Lead	mg/L	0.4		0.025 U		0.025 U		0.025 U		0.0001 U		0.025 U	
	Mercury	mg/L	0.05		0.0005 U		0.0005 U		0.0005 U		2E-05 U		0.0005 U	
	Molybdenum	mg/L	1		0.017		0.01		0.005 U		0.0113		0.02	
	Nickel	mg/L	1		0.015 U		0.015 U		0.015 U		0.00212		0.015 U	
	Selenium	mg/L	0.1		0.025 U		0.025 U		0.025 U		0.00013 U		0.025 U	
	Silver	mg/L	0.2		0.007 U		0.007 U		0.007 U		0.00016 U		0.007 U	
	Zinc	mg/L	2		0.02		0.007		0.006 U		0.00145 U		0.013	
PCBs	Aroclor-1016	mg/L									1E-05 U			
		ug/L							0.1 U					
	Aroclor-1221	mg/L									3E-05 U			
		ug/L							0.1 U					
	Aroclor-1232	mg/L									1E-05 U			
		ug/L							0.1 U					
	Aroclor-1242	mg/L									1E-05 U			
		ug/L							0.1 U					
	Aroclor-1248	mg/L									1E-05 U			
	ug/L							0.1 U						
Aroclor-1254	mg/L									2E-05 U				
	ug/L							0.1 U						
Aroclor-1260	mg/L									2E-05 U				
	ug/L							0.1 U						
PCBs	mg/L	0.003		0		0						0		
Phenols	Pentachlorophenol	mg/L									0.0078 U			
	Phenol	mg/L									0.013			
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L									0.0013 U			
	Butyl benzyl phthalate	mg/L									0.0016 U			
	Diethyl phthalate	mg/L									0.0024 U			
	Dimethyl phthalate	mg/L									0.0011 U			
	Di-n-butyl phthalate	mg/L									0.0023 U			
	Di-n-octyl phthalate	mg/L									0.0021 U			
SVOA	1,2,4-Trichlorobenzene	mg/L									0.0015 U			
	1,2-Diphenylhydrazine	mg/L									0.0015 U			
	2,2'-oxybis(1-chloropropane)	mg/L									0.0013 U			
	2,3-Dichloroaniline	mg/L									0.0013 U			

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				September		October		November				December	
				9/5/2019		10/8/2019		11/8/2019	11/18/2019	11/19/2019		12/16/2019	
Category	Parameter	Unit	Daily Limit	August	September	October	November	December	January	February	March	April	May
				2999	1201	1201	4096	4096	1201	1201	4096	4096	1201
				Average	SMR	Average	SMR	Average	SMR	Sample	Sample	Average	SMR
SVOA	2,4,6-Trichlorophenol	mg/L									0.0018 U		
	2,4-Dichlorophenol	mg/L									0.0017 U		
	2,4-Dimethylphenol	mg/L									0.0032 U		
	2,4-Dinitrophenol	mg/L									0.034 U		
	2,4-Dinitrotoluene	mg/L									0.0023 U		
	2,6-Dinitrotoluene	mg/L									0.0025 U		
	2-Chloronaphthalene	mg/L									0.0012 U		
	2-Chlorophenol	mg/L									0.0016 U		
	2-Methyl-4,6-dinitrophenol	mg/L									0.0028 U		
	2-Methylphenol (o-Cresol)	mg/L									0.0013 U		
	2-Nitrophenol	mg/L									0.0023 U		
	3 & 4-Methylphenol(p-cresol)	mg/L									0.001 U		
	3,3'-Dichlorobenzidine	mg/L									0.0014 U		
	4-Bromophenyl phenyl ether	mg/L									0.0014 U		
	4-Chloro-3-Methylphenol	mg/L									0.0017 U		
	4-Chlorophenyl phenyl ether	mg/L									0.0014 U		
	4-Nitrophenol	mg/L									0.0086 U		
	Acetophenone	mg/L									0.0039 U		
	Aniline	mg/L									0.0012 U		
	Benzidine	mg/L									0.021 U		
	Bis(2-chloroethoxy) methane	mg/L									0.0013 U		
	Bis(2-chloroethyl) ether	mg/L									0.0013 U		
	Carbazole	mg/L									0.0009 U		
Hexachlorobenzene	mg/L									0.0013 U			
Hexachlorobutadiene	mg/L									0.0016 U			
Hexachlorocyclopentadiene	mg/L									0.002 U			
Hexachloroethane	mg/L									0.0016 U			
Isophorone	mg/L									0.0014 U			
n-Decane	mg/L									0.0034 U			
Nitrobenzene	mg/L									0.0016 U			

Table C-19 Pacific Northwest Terminals
2019 Compliance Comparison

				September		October		November				December		
				9/5/2019		10/8/2019		11/8/2019	11/18/2019	11/19/2019		12/16/2019		
Category	Parameter	Unit	Daily Limit	August	2999	September	1201	October	1201	4096	4096	November	1201	December
				Average	SMR	Average	SMR	Average	SMR	Sample	Sample	Average	SMR	Average
SVOA	N-Nitrosodimethylamine	mg/L									0.0062 U			
	N-Nitroso-di-n-propylamine	mg/L									0.0012 U			
	N-Nitrosodiphenylamine	mg/L									0.0012 U			
	n-Octadecane	mg/L									0.0024 U			
	Pyridine	mg/L									0.012 U			
TPH	HEM	mg/L	300		7.6		5 U		6.3	1.9 U			37	
	SGT-HEM	mg/L	50		5.5		5 U		5 U	2 U			5 U	
Volatiles	1,1,1-Trichloroethane	mg/L								0.0056 U				
	1,1,2,2-Tetrachloroethane	mg/L								0.004 U				
	1,1,2-Trichloroethane	mg/L								0.003 U				
	1,1-Dichloroethane	mg/L								0.0036 U				
	1,1-Dichloroethene	mg/L								0.005 U				
	1,2-Dichlorobenzene	mg/L								0.0032 U				
	1,2-Dichloroethane	mg/L								0.003 U				
	1,2-Dichloropropane	mg/L								0.0026 U				
	1,3-Dichlorobenzene	mg/L								0.0036 U				
	1,4-Dichlorobenzene	mg/L								0.0038 U				
	2-Butanone	mg/L								0.01 U				
	2-Chloroethyl vinyl ether	mg/L								0.0022 U				
	Acetone	mg/L								0.034 U				
	Acrolein	mg/L								0.03 U				
	Acrylonitrile	mg/L								0.028 U				
	Bromodichloromethane	mg/L								0.0034 U				
	Bromoform	mg/L								0.003 U				
	Bromomethane	mg/L								0.0076 U				
	Carbon Tetrachloride	mg/L								0.0034 U				
	Chlorobenzene	mg/L								0.0018 U				
	Chloroethane	mg/L								0.0024 U				
	Chloroform	mg/L								0.0026 U				
	Chloromethane	mg/L								0.0048 U				
	cis-1,3-Dichloropropene	mg/L								0.0018 U				
	Dibromochloromethane	mg/L								0.0024 U				
	Methylene Chloride	mg/L								0.0084 U				
	Styrene	mg/L								0.0026 U				
Tetrachloroethene	mg/L								0.0036 U					
Total 1,2-Dichloroethene	mg/L								0.01 U					
trans-1,2-Dichloroethene	mg/L													
trans-1,3-Dichloropropene	mg/L									0.0024 U				
Trichloroethene	mg/L									0.003 U				
Trichlorofluoromethane	mg/L									0.003 U				
Vinyl Chloride	mg/L									0.003 U				

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January								
					1/2/2019	1/3/2019	1/7/2019		1/8/2019	1/9/2019	1/11/2019	1/15/2019	1/16/2019
					3650	3650	1021	3650	3650	3650	3650	3650	3650
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			30,578	28,776		29,172	29,868	29,404	27,197	27,654	28,461
	pH	pH Units	5.5 - 11		7.53	8.93	7.15	7.15	8.76	8.33	8.21	8.11	7.91
	Temperature	°F	100										
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.155
	BTEX	mg/L	10.0		0.155	0.408	0.301	0.201	0.33	0.346	0.211	0.16	1.875
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.13
	m,p-Xylene	mg/L											
	o-Xylene	mg/L											
	Toluene	mg/L			0.055	0.308	0.101	0.101	0.23	0.246	0.111	0.06	1.59
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L											
	Benzo(a)pyrene	mg/L											
	Benzo(b,k)fluoranthene	mg/L											
	Benzo(g,h,i)perylene	mg/L											
	Chrysene	mg/L											
	Dibenz(a,h)anthracene	mg/L											
	Fluoranthene	mg/L	.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L											
LPAHs	Acenaphthene	mg/L											
	Acenaphthylene	mg/L											
	Anthracene	mg/L											
	Fluorene	mg/L											
	Naphthalene	mg/L											
	Phenanthrene	mg/L											
Metals	Antimony	mg/L											
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L											
	Beryllium	mg/L											
	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January								
					1/2/2019	1/3/2019	1/7/2019		1/8/2019	1/9/2019	1/11/2019	1/15/2019	1/16/2019
					3650	3650	1021	3650	3650	3650	3650	3650	3650
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.005 U	0.007	0.005 U	0.015	0.008	0.009	0.005 U	0.007	
	Copper	mg/L	1.0	.301	0.011	0.006 U	0.011	0.006 U	0.006 U	0.008	0.009	0.015	
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.066	0.025 U	0.025 U	0.025 U	0.025 U	
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
	Molybdenum	mg/L	1.0		0.061	0.537	0.039	0.339	0.994	0.054	0.085	0.096	
	Nickel	mg/L	1.0		0.037	0.036	0.022	0.039	0.04	0.086	0.056	0.035	
	Selenium	mg/L	0.1		0.025 U	0.051	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.011	0.007 U	0.007 U	0.007 U	0.007 U	
	Thallium	mg/L											
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
	Titanium	mg/L											
	Vanadium	mg/L											
	Zinc	mg/L	2.0	4.46	0.325	0.053	0.77	0.77	0.447	0.17	0.381	0.219	0.082
PCBs	Aroclor-1016	mg/L			0.0001 U								
	Aroclor-1221	mg/L			0.0001 U								
	Aroclor-1232	mg/L			0.0001 U								
	Aroclor-1242	mg/L			0.0001 U								
	Aroclor-1248	mg/L			0.0001 U								
	Aroclor-1254	mg/L			0.0001 U								
	Aroclor-1260	mg/L			0.0001 U								
	PCBs	mg/L	.003										
Phenols	Pentachlorophenol	mg/L											
	Phenol	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January								
					1/2/2019	1/3/2019	1/7/2019		1/8/2019	1/9/2019	1/11/2019	1/15/2019	1/16/2019
					3650	3650	1021	3650	3650	3650	3650	3650	3650
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L					0.05 U						
				.158	0.05 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L											
	Diethyl phthalate	mg/L											
	Dimethyl phthalate	mg/L											
	Di-n-butyl phthalate	mg/L											
	Di-n-octyl phthalate	mg/L											
SVOA	1,2,4-Trichlorobenzene	mg/L											
	1,2-Diphenylhydrazine	mg/L											
	2,2'-oxybis(1-chloropropane)	mg/L											
	2,3-Dichloroaniline	mg/L											
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L											
	2,4-Dimethylphenol	mg/L											
	2,4-Dinitrophenol	mg/L											
	2,4-Dinitrotoluene	mg/L											
	2,6-Dinitrotoluene	mg/L											
	2-Chloronaphthalene	mg/L											
	2-Chlorophenol	mg/L											
	2-Methyl-4,6-dinitrophenol	mg/L											
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L											
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.142		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.148
	3,3'-Dichlorobenzidine	mg/L											
	4-Bromophenyl phenyl ether	mg/L											
	4-Chloro-3-Methylphenol	mg/L											
	4-Chlorophenyl phenyl ether	mg/L											
4-Nitrophenol	mg/L												
Acetophenone	mg/L												
Aniline	mg/L												
Benzidine	mg/L												

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January								
					1/2/2019	1/3/2019	1/7/2019		1/8/2019	1/9/2019	1/11/2019	1/15/2019	1/16/2019
					3650	3650	1021	3650	3650	3650	3650	3650	3650
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L											
	Bis(2-chloroethyl) ether	mg/L											
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L											
	Hexachlorobutadiene	mg/L											
	Hexachlorocyclopentadiene	mg/L											
	Hexachloroethane	mg/L											
	Isophorone	mg/L											
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L											
	N-Nitrosodimethylamine	mg/L											
	N-Nitroso-di-n-propylamine	mg/L											
	N-Nitrosodiphenylamine	mg/L											
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L												
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5.8	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L											
	1,1,2,2-Tetrachloroethane	mg/L											
	1,1,2-Trichloroethane	mg/L											
	1,1-Dichloroethane	mg/L											
	1,1-Dichloroethene	mg/L											
	1,2-Dichlorobenzene	mg/L											
	1,2-Dichloroethane	mg/L											
	1,2-Dichloropropane	mg/L											
	1,3-Dichlorobenzene	mg/L											
	1,4-Dichlorobenzene	mg/L											
	2-Chloroethyl vinyl ether	mg/L											
	Acrolein	mg/L											
	Acrylonitrile	mg/L											
	Bromodichloromethane	mg/L											
	Bromoform	mg/L											
	Bromomethane	mg/L											
Carbon Tetrachloride	mg/L												
Chlorobenzene	mg/L												

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January								
					1/2/2019	1/3/2019	1/7/2019		1/8/2019	1/9/2019	1/11/2019	1/15/2019	1/16/2019
					3650	3650	1021	3650	3650	3650	3650	3650	3650
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L											
	Chloroform	mg/L											
	Chloromethane	mg/L											
	cis-1,3-Dichloropropene	mg/L											
	Dibromochloromethane	mg/L											
	Methylene Chloride	mg/L											
	Styrene	mg/L											
	Tetrachloroethene	mg/L											
	trans-1,2-Dichloroethene	mg/L											
	trans-1,3-Dichloropropene	mg/L											
	Trichloroethene	mg/L											
	Trichlorofluoromethane	mg/L											
Vinyl Chloride	mg/L												

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January						February	
					1/17/2019	1/23/2019	1/24/2019	1/28/2019	1/29/2019	1/30/2019	2/4/2019	2/6/2019
					3650	3650	3650	3650	3650	3651	3651	3651
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			26,225	29,860	27,803	27,915	29,591	28,312	29,464	29,449
	pH	pH Units	5.5 - 11		8.43	7.65	8.67	7.4	7.17	7.5	7.54	7.05
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.471	0.279	0.183	0.514	0.281	0.457	0.353	0.277
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L								0.1 U	0.1 U	
	o-Xylene	mg/L										0.1 U
	Toluene	mg/L			0.371	0.179	0.083	0.414	0.181	0.257	0.153	0.077
Conventionals	Cyanide, Total	mg/L	0.64		0.03	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
Metals	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January						February	
					1/17/2019	1/23/2019	1/24/2019	1/28/2019	1/29/2019	1/30/2019	2/4/2019	2/6/2019
					3650	3650	3650	3650	3650	3651	3651	3651
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.006	0.012	0.007	0.007	0.007	0.005 U	0.007 U	0.01
	Copper	mg/L	1.0	.301	0.009	0.013	0.009	0.006 U	0.006 U	0.011	0.008	0.017
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.11	0.14	0.237	0.65	0.336	0.136	0.033	0.018
	Nickel	mg/L	1.0		0.13	0.141	0.049	0.061	0.077	0.05	0.017	0.028
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.167	0.333	0.236	0.245	0.254	0.178	0.076	0.154
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January						February	
					1/17/2019	1/23/2019	1/24/2019	1/28/2019	1/29/2019	1/30/2019	2/4/2019	2/6/2019
					3650	3650	3650	3650	3650	3651	3651	3651
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.072	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.065	0.05 U	0.065	0.05 U	0.05 U	0.05 U	0.078	0.09
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January						February	
					1/17/2019	1/23/2019	1/24/2019	1/28/2019	1/29/2019	1/30/2019	2/4/2019	2/6/2019
					3650	3650	3650	3650	3650	3651	3651	3651
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					January						February	
					1/17/2019	1/23/2019	1/24/2019	1/28/2019	1/29/2019	1/30/2019	2/4/2019	2/6/2019
					3650	3650	3650	3650	3650	3651	3651	3651
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					February							March
					2/7/2019	2/11/2019	2/13/2019	2/19/2019	2/21/2019	2/26/2019	2/28/2019	3/7/2019
					3651	3651	3651	3651	3651	3652	3652	3652
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			28,005	29,344	29,142	24,033	28,125	25,260	29,568	26,906
	pH	pH Units	5.5 - 11		7.51	6.63	7.08	9.16	7.25	7.22	9.04	6.64
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.152	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		1.915	0.226	0.732	0.39	0.363	0.156	0.326	0.381
	Ethylbenzene	mg/L			0.163	0.05 U	0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L						0.1 U	0.1			
	o-Xylene	mg/L				0.1 U		0.1 U	0.1 U			
	Toluene	mg/L				1.5	0.126	0.552	0.09	0.063	0.056	0.226
Conventionals	Cyanide, Total	mg/L	0.64		0.06	0.01 U	0.01 U	0.01	0.01 U	0.02	0.01 U	0.02
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.053	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
Metals	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					February							March
					2/7/2019	2/11/2019	2/13/2019	2/19/2019	2/21/2019	2/26/2019	2/28/2019	3/7/2019
					3651	3651	3651	3651	3651	3652	3652	3652
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.018
	Cobalt	mg/L		18.8	0.007	0.005 U	0.005 U	0.009	0.005 U	0.009	0.006	0.012
	Copper	mg/L	1.0	.301	0.006 U	0.006 U	0.015	0.016	0.009	0.006 U	0.058	0.172
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.02	0.069	0.017	0.147	0.005 U	0.575	0.15	0.02
	Nickel	mg/L	1.0		0.043	0.031	0.019	0.043	0.046	0.685	0.06	0.078
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.676	0.119	0.241	0.053	0.108	0.219	0.373	0.594
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					February							March
					2/7/2019	2/11/2019	2/13/2019	2/19/2019	2/21/2019	2/26/2019	2/28/2019	3/7/2019
					3651	3651	3651	3651	3651	3652	3652	3652
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.06	0.05 U	0.077	0.05 U	0.05 U	0.09	0.124
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
4-Nitrophenol	mg/L											
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					February							March
					2/7/2019	2/11/2019	2/13/2019	2/19/2019	2/21/2019	2/26/2019	2/28/2019	3/7/2019
					3651	3651	3651	3651	3651	3652	3652	3652
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.074
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.169
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	11	5 U	16
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
Bromomethane	mg/L											
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					February							March
					2/7/2019	2/11/2019	2/13/2019	2/19/2019	2/21/2019	2/26/2019	2/28/2019	3/7/2019
					3651	3651	3651	3651	3651	3652	3652	3652
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					March							April
					3/11/2019	3/13/2019	3/17/2019	3/18/2019	3/21/2019	3/27/2019	3/28/2019	4/1/2019
					3652	3652	3652	3652	3652	3652	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			28,402	28,499	27,070	29,239	27,070	28,618	26,965	24,093
	pH	pH Units	5.5 - 11		8.21	6.97	6.78	6.46	7.25	7.86	8.43	7.23
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.189	0.227	0.17	0.195	0.3	0.15	0.979	0.255
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.054	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										
	Toluene	mg/L			0.089	0.127	0.07	0.095	0.196	0.05 U	0.608	0.055
Conventionals	Cyanide, Total	mg/L	0.64		0.04	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
Metals	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					March							April
					3/11/2019	3/13/2019	3/17/2019	3/18/2019	3/21/2019	3/27/2019	3/28/2019	4/1/2019
					3652	3652	3652	3652	3652	3652	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.007	0.005 U	0.007	0.006	0.007	0.005 U	0.005 U	0.005 U
	Copper	mg/L	1.0	.301	0.03	0.032	0.015	0.028	0.007	0.006 U	0.01	0.053
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.11	0.029	0.038	0.017	0.516	0.042	0.068	0.014
	Nickel	mg/L	1.0		0.035	0.019	0.03	0.043	0.039	0.021	0.022	0.024
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.254	0.214	0.05	0.118	0.303	0.055	0.063	0.421
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
	PCBs	mg/L	.003								0	0
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					March							April
					3/11/2019	3/13/2019	3/17/2019	3/18/2019	3/21/2019	3/27/2019	3/28/2019	4/1/2019
					3652	3652	3652	3652	3652	3652	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.105	0.051	0.05 U	0.05 U	0.05 U	0.05 U	0.169	0.058
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					March							April
					3/11/2019	3/13/2019	3/17/2019	3/18/2019	3/21/2019	3/27/2019	3/28/2019	4/1/2019
					3652	3652	3652	3652	3652	3652	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					March							April
					3/11/2019	3/13/2019	3/17/2019	3/18/2019	3/21/2019	3/27/2019	3/28/2019	4/1/2019
					3652	3652	3652	3652	3652	3652	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April							
					4/7/2019	4/8/2019	4/10/2019	4/11/2019	4/12/2019	4/17/2019	4/22/2019	4/24/2019
					3684	3684	3684	3684	3684	3684	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			28,102	28,491	25,970	29,314	29,322	28,357	21,400	25,185
	pH	pH Units	5.5 - 11		8.05	7.28	7.17	7.5	7.57	8.7	7.63	8.03
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.325	0.396	0.344	0.25	0.266	0.425	0.314	0.373
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										
	Toluene	mg/L			0.119	0.159	0.115	0.05 U	0.066	0.182	0.087	0.098
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.02	0.01 U	0.02	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L	.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
	Phenanthrene	mg/L										
Metals	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April							
					4/7/2019	4/8/2019	4/10/2019	4/11/2019	4/12/2019	4/17/2019	4/22/2019	4/24/2019
					3684	3684	3684	3684	3684	3684	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.008	0.006	0.012	0.005 U	0.005 U	0.006	0.018	0.014
	Copper	mg/L	1.0	.301	0.006 U	0.017	0.017	0.006 U	0.006 U	0.006 U	0.007	0.006 U
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.074	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.351	0.057	0.083	0.025	0.061	0.097	0.44	0.147
	Nickel	mg/L	1.0		0.035	0.037	0.058	0.015 U	0.082	0.048	0.065	0.064
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.054	0.163	0.378	0.006 U	0.068	0.006 U	0.237	0.063
PCBs	Aroclor-1016	mg/L				0.0001 U						
	Aroclor-1221	mg/L				0.0001 U						
	Aroclor-1232	mg/L				0.0001 U						
	Aroclor-1242	mg/L				0.0001 U						
	Aroclor-1248	mg/L				0.0001 U						
	Aroclor-1254	mg/L				0.0001 U						
	Aroclor-1260	mg/L				0.0001 U						
	PCBs	mg/L	.003		0	0.0007	0	0	0	0	0	0
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April							
					4/7/2019	4/8/2019	4/10/2019	4/11/2019	4/12/2019	4/17/2019	4/22/2019	4/24/2019
					3684	3684	3684	3684	3684	3684	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.174	0.05 U	0.05 U	0.05 U	0.05 U	0.106	0.245	0.05 U
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
4-Nitrophenol	mg/L											
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April							
					4/7/2019	4/8/2019	4/10/2019	4/11/2019	4/12/2019	4/17/2019	4/22/2019	4/24/2019
					3684	3684	3684	3684	3684	3684	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April							
					4/7/2019	4/8/2019	4/10/2019	4/11/2019	4/12/2019	4/17/2019	4/22/2019	4/24/2019
					3684	3684	3684	3684	3684	3684	3684	3684
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April		May					
					4/26/2019	4/29/2019	5/1/2019	5/3/2019	5/7/2019	5/9/2019	5/13/2019	5/16/2019
					3654	3654	3654	3654	3410	3654	3654	3654
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	Sample	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			25,896	24,549	23,076	27,683		22,807	26,195	27,093
	pH	pH Units	5.5 - 11		6.95	8.81	6.83	7.69	6.50	7.31	7.31	7.66
	Temperature	°F	100						55.0			
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.0022 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.228	0.166	0.198	0.189		0.167	0.159	0.156
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.031	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L							0.12			
	o-Xylene	mg/L							0.067			
	Toluene	mg/L			0.128	0.066	0.098	0.089	0.054	0.067	0.059	0.056
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01 U	0.005 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L							0.0013 U			
	Benzo(a)pyrene	mg/L							0.0017 U			
	Benzo(b,k)fluoranthene	mg/L							0.0025 U			
	Benzo(g,h,i)perylene	mg/L							0.0016 U			
	Chrysene	mg/L							0.0013 U			
	Dibenz(a,h)anthracene	mg/L							0.0018 U			
	Fluoranthene	mg/L	.393		0.01 U	0.01 U	0.01 U	0.01 U	0.0008 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L							0.0017 U			
LPAHs	Pyrene	mg/L							0.0014 U			
	Acenaphthene	mg/L							0.0013 U			
	Acenaphthylene	mg/L							0.0013 U			
	Anthracene	mg/L							0.0012 U			
	Fluorene	mg/L							0.0014 U			
	Naphthalene	mg/L							0.0013 U			
Metals	Phenanthrene	mg/L							0.0012 U			
	Antimony	mg/L							0.00616 UJ			
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.00418	0.025 U	0.025 U	0.025 U
	Barium	mg/L							0.0559			
	Beryllium	mg/L							0.0001 U			
Metals	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.00610 UJ	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April		May					
					4/26/2019	4/29/2019	5/1/2019	5/3/2019	5/7/2019	5/9/2019	5/13/2019	5/16/2019
					3654	3654	3654	3654	3410	3654	3654	3654
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	Sample	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.0023 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.016	0.005 U	0.012	0.005 U	0.00982	0.018	0.012	0.009
	Copper	mg/L	1.0	.301	0.029	0.006 U	0.006 U	0.006 U	0.00192	0.007	0.027	0.006 U
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	ND U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	2E-05 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.192	0.145	0.096	0.041	0.0704	0.087	0.086	0.259
	Nickel	mg/L	1.0		0.082	0.036	0.069	0.031	0.0614	0.071	0.053	0.021
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.00013 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.00016 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L							ND U			
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.00109 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L							0.00037 U			
	Vanadium	mg/L							0.00216			
	Zinc	mg/L	2.0	4.46	0.465	0.023	0.024	0.199	0.0496	0.057	0.119	0.1
PCBs	Aroclor-1016	mg/L							1E-05 U			
	Aroclor-1221	mg/L							4E-05 U			
	Aroclor-1232	mg/L							1E-05 U			
	Aroclor-1242	mg/L							1E-05 U			
	Aroclor-1248	mg/L							1E-05 U			
	Aroclor-1254	mg/L							2E-05 U			
	Aroclor-1260	mg/L							2E-05 U			
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L							0.0083 U			
	Phenol	mg/L							0.12			

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April		May					
					4/26/2019	4/29/2019	5/1/2019	5/3/2019	5/7/2019	5/9/2019	5/13/2019	5/16/2019
					3654	3654	3654	3654	3410	3654	3654	3654
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	Sample	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.0013 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L							0.0018 U			
	Diethyl phthalate	mg/L							0.0026 U			
	Dimethyl phthalate	mg/L							0.0012 U			
	Di-n-butyl phthalate	mg/L							0.0025 U			
	Di-n-octyl phthalate	mg/L							0.0023 U			
SVOA	1,2,4-Trichlorobenzene	mg/L							0.0016 U			
	1,2-Diphenylhydrazine	mg/L							0.0016 U			
	2,2'-oxybis(1-chloropropane)	mg/L							0.0014 U			
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.0019 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L							0.0018 U			
	2,4-Dimethylphenol	mg/L							0.0034 U			
	2,4-Dinitrophenol	mg/L							0.037 U			
	2,4-Dinitrotoluene	mg/L							0.0025 U			
	2,6-Dinitrotoluene	mg/L							0.0027 U			
	2-Chloronaphthalene	mg/L							0.0013 U			
	2-Chlorophenol	mg/L							0.0017 U			
	2-Methyl-4,6-dinitrophenol	mg/L							0.003 U			
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U	0.05 U	0.062
	2-Nitrophenol	mg/L							0.0024 U			
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.073	0.16	0.05 U		0.05 U	0.121	0.074
	3,3'-Dichlorobenzidine	mg/L							0.0015 U			
	4-Bromophenyl phenyl ether	mg/L							0.0015 U			
	4-Chloro-3-Methylphenol	mg/L							0.0018 U			
	4-Chlorophenyl phenyl ether	mg/L							0.0015 U			
4-Nitrophenol	mg/L							0.0092 U				
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L								0.023 U			

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April		May					
					4/26/2019	4/29/2019	5/1/2019	5/3/2019	5/7/2019	5/9/2019	5/13/2019	5/16/2019
					3654	3654	3654	3654	3410	3654	3654	3654
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	Sample	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L							0.0013 U			
	Bis(2-chloroethyl) ether	mg/L							0.0013 U			
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L							0.0014 U			
	Hexachlorobutadiene	mg/L							0.0017 U			
	Hexachlorocyclopentadiene	mg/L							0.0022 U			
	Hexachloroethane	mg/L							0.0017 U			
	Isophorone	mg/L							0.0015 U			
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L							0.0017 U			
	N-Nitrosodimethylamine	mg/L							0.0066 U			
	N-Nitroso-di-n-propylamine	mg/L							0.0013 U			
	N-Nitrosodiphenylamine	mg/L							0.0013 U			
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U		5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L							0.0056 U			
	1,1,2,2-Tetrachloroethane	mg/L							0.004 U			
	1,1,2-Trichloroethane	mg/L							0.003 U			
	1,1-Dichloroethane	mg/L							0.0036 U			
	1,1-Dichloroethene	mg/L							0.005 U			
	1,2-Dichlorobenzene	mg/L							0.0032 U			
	1,2-Dichloroethane	mg/L							0.003 U			
	1,2-Dichloropropane	mg/L							0.0026 U			
	1,3-Dichlorobenzene	mg/L							0.0036 U			
	1,4-Dichlorobenzene	mg/L							0.0038 U			
	2-Chloroethyl vinyl ether	mg/L							0.0022 U			
	Acrolein	mg/L							0.03 U			
	Acrylonitrile	mg/L							0.028 U			
	Bromodichloromethane	mg/L							0.0034 U			
	Bromoform	mg/L							0.003 U			
	Bromomethane	mg/L							0.0076 U			
Carbon Tetrachloride	mg/L							0.0034 U				
Chlorobenzene	mg/L							0.0018 U				

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					April		May					
					4/26/2019	4/29/2019	5/1/2019	5/3/2019	5/7/2019	5/9/2019	5/13/2019	5/16/2019
					3654	3654	3654	3654	3410	3654	3654	3654
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	Sample	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L							0.0024 U			
	Chloroform	mg/L							0.0026 U			
	Chloromethane	mg/L							0.0048 U			
	cis-1,3-Dichloropropene	mg/L							0.0018 U			
	Dibromochloromethane	mg/L							0.0024 U			
	Methylene Chloride	mg/L							0.0084 U			
	Styrene	mg/L							0.0026 U			
	Tetrachloroethene	mg/L							0.0036 U			
	trans-1,2-Dichloroethene	mg/L							0.0036 U			
	trans-1,3-Dichloropropene	mg/L							0.0024 U			
	Trichloroethene	mg/L							0.003 U			
	Trichlorofluoromethane	mg/L							0.003 U			
Vinyl Chloride	mg/L							0.003 U				

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					May			June				
					5/20/2019	5/28/2019	5/29/2019	6/5/2019	6/9/2019	6/10/2019	6/11/2019	6/20/2019
					3654	3654	3654	3655	3655	3655	3655	3655
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			28,289	25,941	25,784	26569	28297	29486	24280	27100
	pH	pH Units	5.5 - 11		9.33	6.82	8.68	9.27	7.09	6.9	7.44	7.43
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.088	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.229	0.324	0.153	0.156	2.799	0.157	0.45	0.373
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.271	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										
	Toluene	mg/L			0.129	0.224	0.053	0.056	2.44	0.057	0.35	0.099
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
	Phenanthrene	mg/L										
Metals	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					May			June				
					5/20/2019	5/28/2019	5/29/2019	6/5/2019	6/9/2019	6/10/2019	6/11/2019	6/20/2019
					3654	3654	3654	3655	3655	3655	3655	3655
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.016	0.015	0.009	0.008	0.009	0.005 U	0.01	0.01
	Copper	mg/L	1.0	.301	0.007	0.013	0.014	0.029	0.044	0.006 U	0.009	0.006 U
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.124	0.118	0.038	0.147	0.77	0.018	0.05	0.066
	Nickel	mg/L	1.0		0.04	0.083	0.031	0.061	0.015 U	0.021	0.02	0.076
	Selenium	mg/L	0.1		0.025 U	0.03	0.048	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.072	0.129	0.027	0.022	0.205	0.146	0.21	0.025
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					May			June				
					5/20/2019	5/28/2019	5/29/2019	6/5/2019	6/9/2019	6/10/2019	6/11/2019	6/20/2019
					3654	3654	3654	3655	3655	3655	3655	3655
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.128	0.494	0.05 U	0.09	0.05 U	0.05 U	0.05 U	0.147
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
4-Nitrophenol	mg/L											
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					May			June				
					5/20/2019	5/28/2019	5/29/2019	6/5/2019	6/9/2019	6/10/2019	6/11/2019	6/20/2019
					3654	3654	3654	3655	3655	3655	3655	3655
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					May			June				
					5/20/2019	5/28/2019	5/29/2019	6/5/2019	6/9/2019	6/10/2019	6/11/2019	6/20/2019
					3654	3654	3654	3655	3655	3655	3655	3655
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					June	July						
					6/21/2019	7/1/2019	7/8/2019	7/10/2019	7/12/2019	7/16/2019	7/19/2019	7/22/2019
					3655	3656	3656	3656	3656	3656	3656	3656
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			28978	28,798	26,442	28,215	28,970	28,970	28,372	29,995
	pH	pH Units	5.5 - 11		7.54	7.36	6.84	7.23	6.51	8.53	7.41	6.83
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.186	0.326	0.332	0.304	0.307	0.256	0.263	0.253
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L						0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	o-Xylene	mg/L				0.1 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
	Toluene	mg/L			0.086	0.126	0.132	0.104	0.107	0.056	0.063	0.053
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
Metals	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.006

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					June	July						
					6/21/2019	7/1/2019	7/8/2019	7/10/2019	7/12/2019	7/16/2019	7/19/2019	7/22/2019
					3655	3656	3656	3656	3656	3656	3656	3656
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.021	0.026	0.005 U	0.011	0.009	0.011	0.008	0.009
	Copper	mg/L	1.0	.301	0.018	0.006 U	0.007	0.018	0.006 U	0.012	0.008	0.03
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.015 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.063	0.693	0.042	0.014	0.007	0.136	0.011	0.013
	Nickel	mg/L	1.0		0.098	0.057	0.044	0.034	0.036	0.027	0.034	0.06
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.031	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.06	0.051	0.031	0.021	0.069	0.02	0.01	0.059
PCBs	Aroclor-1016	mg/L						0.0001 U				
	Aroclor-1221	mg/L						0.0001 U				
	Aroclor-1232	mg/L						0.0001 U				
	Aroclor-1242	mg/L						0.0001 U				
	Aroclor-1248	mg/L						0.0001 U				
	Aroclor-1254	mg/L						0.0001 U				
	Aroclor-1260	mg/L						0.0001 U				
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					June	July						
					6/21/2019	7/1/2019	7/8/2019	7/10/2019	7/12/2019	7/16/2019	7/19/2019	7/22/2019
					3655	3656	3656	3656	3656	3656	3656	3656
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.125 U	.125 U	0.125 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.16	0.05 U	0.563	0.125 U	.125 U	0.168	0.05 U
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
4-Nitrophenol	mg/L											
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					June	July						
					6/21/2019	7/1/2019	7/8/2019	7/10/2019	7/12/2019	7/16/2019	7/19/2019	7/22/2019
					3655	3656	3656	3656	3656	3656	3656	3656
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.625 U	0.125 U	0.125 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					June	July						
					6/21/2019	7/1/2019	7/8/2019	7/10/2019	7/12/2019	7/16/2019	7/19/2019	7/22/2019
					3655	3656	3656	3656	3656	3656	3656	3656
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					July		August					
					7/29/2019	7/30/2019	8/1/2019	8/6/2019	8/8/2019	8/9/2019	8/15/2019	8/16/2019
					3656	3657	3657	3657	3657	3657	3657	3657
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			23,906	28,805	24,288	26,045	27,040	26,943	28,155	28,618
	pH	pH Units	5.5 - 11		6.75	7.59	7.52	7.59	7.57	7.18	8.08	7.35
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.261	0.201	0.166	0.656	0.175	0.24	0.315	0.361
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.118	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L			0.05 U							
	o-Xylene	mg/L			0.05 U							
	Toluene	mg/L			0.061	0.101	0.066	0.488	0.075	0.14	0.215	0.261
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L	.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
Metals	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					July		August					
					7/29/2019	7/30/2019	8/1/2019	8/6/2019	8/8/2019	8/9/2019	8/15/2019	8/16/2019
					3656	3657	3657	3657	3657	3657	3657	3657
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.013	0.017	0.011	0.016	0.011	0.008	0.006	0.01
	Copper	mg/L	1.0	.301	0.014	0.006 U	0.006 U	0.006 U	0.049	0.023	0.006 U	0.007
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U		0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.032	0.13	0.048	0.118	0.048	0.035	0.031	0.223
	Nickel	mg/L	1.0		0.067	0.079	0.064	0.073	0.06	0.042	0.059	0.023
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.054	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.026	0.028	0.058	0.039	0.074	0.075	0.02	0.055
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					July		August					
					7/29/2019	7/30/2019	8/1/2019	8/6/2019	8/8/2019	8/9/2019	8/15/2019	8/16/2019
					3656	3657	3657	3657	3657	3657	3657	3657
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.125	0.05 U	0.071	0.05 U	0.113	0.05 U	0.05 U
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
4-Nitrophenol	mg/L											
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					July		August					
					7/29/2019	7/30/2019	8/1/2019	8/6/2019	8/8/2019	8/9/2019	8/15/2019	8/16/2019
					3656	3657	3657	3657	3657	3657	3657	3657
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					July		August					
					7/29/2019	7/30/2019	8/1/2019	8/6/2019	8/8/2019	8/9/2019	8/15/2019	8/16/2019
					3656	3657	3657	3657	3657	3657	3657	3657
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					August				September			
					8/20/2019	8/22/2019	8/26/2019	8/27/2019	9/4/2019	9/5/2019	9/6/2019	9/10/2019
					3657	3657	3657	3657	3658	3658	3658	3658
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			29,479	26,389	25,200	28,147	29,060	27,743	29,142	29,875
	pH	pH Units	5.5 - 11		7.27	7.82	6.81	8.83	5.78	6.51	6.83	7.4
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.305	0.582	0.259	0.195	0.446	0.39	0.25	0.25
	Ethylbenzene	mg/L			0.05 U	0.067	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L										
	o-Xylene	mg/L							0.17	0.114	0.1 U	0.1 U
	Toluene	mg/L			0.205	0.465	0.159	0.095	0.176	0.176	0.05 U	0.05 U
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
	Phenanthrene	mg/L										
Metals	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					August				September			
					8/20/2019	8/22/2019	8/26/2019	8/27/2019	9/4/2019	9/5/2019	9/6/2019	9/10/2019
					3657	3657	3657	3657	3658	3658	3658	3658
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.005 U	0.005 U	0.005 U	0.015	0.028	0.021	0.005 U	0.006
	Copper	mg/L	1.0	.301	0.01	0.007	0.009	0.089	0.006 U	0.013	0.006 U	0.006 U
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.026	0.015	0.084	0.697	0.005 U	0.014	0.013	0.039
	Nickel	mg/L	1.0		0.023	0.015 U	0.074	0.204	0.162	0.169	0.015 U	0.015 U
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.042	0.011	0.058	0.066	0.102	0.066	0.015	0.027
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					August				September			
					8/20/2019	8/22/2019	8/26/2019	8/27/2019	9/4/2019	9/5/2019	9/6/2019	9/10/2019
					3657	3657	3657	3657	3658	3658	3658	3658
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.085	0.05 U	0.122	0.343	0.339	0.05 U	0.05 U
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					August				September			
					8/20/2019	8/22/2019	8/26/2019	8/27/2019	9/4/2019	9/5/2019	9/6/2019	9/10/2019
					3657	3657	3657	3657	3658	3658	3658	3658
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					August				September			
					8/20/2019	8/22/2019	8/26/2019	8/27/2019	9/4/2019	9/5/2019	9/6/2019	9/10/2019
					3657	3657	3657	3657	3658	3658	3658	3658
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					September							October
					9/12/2019	9/13/2019		9/16/2019	9/17/2019	9/25/2019	9/26/2019	10/1/2019
					3658	3342	3658	3658	3658	3658	3658	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			25,552		29.898	28,402	28,812	28,693	27,915	28,483
	pH	pH Units	5.5 - 11		7.43	7.24	7.21	6.75	6.9	7.34	7.47	7.61
	Temperature	°F	100			67.1						
BTEX	Benzene	mg/L	.5		0.05 U	0.0022 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.156		0.15	0.287	0.296	0.154	0.165	0.376
	Ethylbenzene	mg/L			0.05 U	0.0032 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L				0.0084 U						
	o-Xylene	mg/L				0.0026 U		0.1 U	0.125			
	Toluene	mg/L			0.056	0.013	0.05 U	0.087	0.071	0.054	0.065	0.064
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.005 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L				0.0012 U						
	Benzo(a)pyrene	mg/L				0.0016 U						
	Benzo(b,k)fluoranthene	mg/L				0.0024 U						
	Benzo(g,h,i)perylene	mg/L				0.0015 U						
	Chrysene	mg/L				0.0012 U						
	Dibenz(a,h)anthracene	mg/L				0.0017 U						
	Fluoranthene	mg/L		.393	0.01 U	0.0008 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L				0.0016 U						
LPAHs	Pyrene	mg/L				0.0013 U						
	Acenaphthene	mg/L				0.0013 U						
	Acenaphthylene	mg/L				0.0013 U						
	Anthracene	mg/L				0.0011 U						
	Fluorene	mg/L				0.0013 U						
	Naphthalene	mg/L				0.0013 U						
Metals	Phenanthrene	mg/L				0.0011 U						
	Antimony	mg/L				0.0140						
	Arsenic	mg/L	0.1		0.025 U	0.00134	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L				0.0733						
	Beryllium	mg/L				0.0001 U						
	Cadmium	mg/L	0.25		0.003 U	0.00012 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					September							October
					9/12/2019	9/13/2019		9/16/2019	9/17/2019	9/25/2019	9/26/2019	10/1/2019
					3658	3342	3658	3658	3658	3658	3658	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.022	0.00494	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.008	0.00347	0.008	0.011	0.005 U	0.007	0.008	0.012
	Copper	mg/L	1.0	.301	0.006 U	0.00346	0.006 U	0.008	0.019	0.013	0.006 U	0.006 U
	Lead	mg/L	0.4	.172	0.025 U	0.0001 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	2E-05 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.024	0.0306	0.005 U	0.058	0.005 U	0.035	0.045	0.083
	Nickel	mg/L	1.0		0.071	0.0227	0.065	0.024	0.028	0.067	0.03	0.033
	Selenium	mg/L	0.1		0.025 U	0.00013 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.00016 U	0.007 U	0.01	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L				0.00025 U						
	Tin	mg/L		.146	0.025 U	0.00109 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L				0.00037 U						
	Vanadium	mg/L				0.00181						
	Zinc	mg/L	2.0	4.46	0.055	0.0101	0.089	0.585	0.044	0.021	0.037	0.164
PCBs	Aroclor-1016	mg/L				1E-05 U						
	Aroclor-1221	mg/L				3E-05 U						
	Aroclor-1232	mg/L				1E-05 U						
	Aroclor-1242	mg/L				1E-05 U						
	Aroclor-1248	mg/L				1E-05 U						
	Aroclor-1254	mg/L				2E-05 U						
	Aroclor-1260	mg/L				2E-05 U						
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L				0.0079 U						
	Phenol	mg/L				0.083						

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					September							October
					9/12/2019	9/13/2019		9/16/2019	9/17/2019	9/25/2019	9/26/2019	10/1/2019
					3658	3342	3658	3658	3658	3658	3658	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.0013 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L				0.0017 U						
	Diethyl phthalate	mg/L				0.0025 U						
	Dimethyl phthalate	mg/L				0.0011 U						
	Di-n-butyl phthalate	mg/L				0.0024 U						
	Di-n-octyl phthalate	mg/L				0.0021 U						
SVOA	1,2,4-Trichlorobenzene	mg/L				0.0015 U						
	1,2-Diphenylhydrazine	mg/L				0.0015 U						
	2,2'-oxybis(1-chloropropane)	mg/L				0.0013 U						
	2,3-Dichloroaniline	mg/L				0.0013 U						
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.0018 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L				0.0017 U						
	2,4-Dimethylphenol	mg/L				0.0033 U						
	2,4-Dinitrophenol	mg/L				0.035 U						
	2,4-Dinitrotoluene	mg/L				0.0024 U						
	2,6-Dinitrotoluene	mg/L				0.0025 U						
	2-Chloronaphthalene	mg/L				0.0012 U						
	2-Chlorophenol	mg/L				0.0016 U						
	2-Methyl-4,6-dinitrophenol	mg/L				0.0029 U						
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.0013 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L				0.0023 U						
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.001 U	0.05 U	0.05 U	0.069	0.05 U	0.114	0.05 U
	3,3'-Dichlorobenzidine	mg/L					0.0014 U					
	4-Bromophenyl phenyl ether	mg/L					0.0014 U					
	4-Chloro-3-Methylphenol	mg/L					0.0017 U					
	4-Chlorophenyl phenyl ether	mg/L					0.0014 U					
4-Nitrophenol	mg/L					0.0087 U						
Acetophenone	mg/L					0.004 U						
Aniline	mg/L					0.016						
Benzidine	mg/L					0.022 U						

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					September							October
					9/12/2019	9/13/2019		9/16/2019	9/17/2019	9/25/2019	9/26/2019	10/1/2019
					3658	3342	3658	3658	3658	3658	3658	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L				0.0013 U						
	Bis(2-chloroethyl) ether	mg/L				0.0013 U						
	Carbazole	mg/L		.233	0.05 U	0.001 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L				0.0013 U						
	Hexachlorobutadiene	mg/L				0.0016 U						
	Hexachlorocyclopentadiene	mg/L				0.0021 U						
	Hexachloroethane	mg/L				0.0016 U						
	Isophorone	mg/L				0.0014 U						
	n-Decane	mg/L		3.31	0.05 U	0.0035 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L				0.0016 U						
	N-Nitrosodimethylamine	mg/L				0.0063 U						
	N-Nitroso-di-n-propylamine	mg/L				0.0012 U						
	N-Nitrosodiphenylamine	mg/L				0.0012 U						
	n-Octadecane	mg/L		.925	0.05 U	0.0025 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L				0.012 U							
TPH	SGT-HEM	mg/L	50		5 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L				0.0056 U						
	1,1,2,2-Tetrachloroethane	mg/L				0.004 U						
	1,1,2-Trichloroethane	mg/L				0.003 U						
	1,1-Dichloroethane	mg/L				0.0036 U						
	1,1-Dichloroethene	mg/L				0.005 U						
	1,2-Dichlorobenzene	mg/L				0.0032 U						
	1,2-Dichloroethane	mg/L				0.003 U						
	1,2-Dichloropropane	mg/L				0.0026 U						
	1,3-Dichlorobenzene	mg/L				0.0036 U						
	1,4-Dichlorobenzene	mg/L				0.0038 U						
	2-Chloroethyl vinyl ether	mg/L				0.0022 U						
	Acrolein	mg/L				0.03 U						
	Acrylonitrile	mg/L				0.028 U						
	Bromodichloromethane	mg/L				0.0034 U						
	Bromoform	mg/L				0.003 U						
Bromomethane	mg/L				0.0076 U							
Carbon Tetrachloride	mg/L				0.0034 U							
Chlorobenzene	mg/L				0.0018 U							

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					September						October	
					9/12/2019	9/13/2019		9/16/2019	9/17/2019	9/25/2019	9/26/2019	10/1/2019
					3658	3342	3658	3658	3658	3658	3658	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Sample	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L				0.0024 U						
	Chloroform	mg/L				0.0026 U						
	Chloromethane	mg/L				0.0048 U						
	cis-1,3-Dichloropropene	mg/L				0.0018 U						
	Dibromochloromethane	mg/L				0.0024 U						
	Methylene Chloride	mg/L				0.0084 U						
	Styrene	mg/L				0.0026 U						
	Tetrachloroethene	mg/L				0.0036 U						
	trans-1,2-Dichloroethene	mg/L				0.0036 U						
	trans-1,3-Dichloropropene	mg/L				0.0024 U						
	Trichloroethene	mg/L				0.003 U						
	Trichlorofluoromethane	mg/L				0.003 U						
Vinyl Chloride	mg/L				0.003 U							

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October							
					10/3/2019	10/7/2019	10/8/2019	10/9/2019	10/10/2019	10/14/2019	10/16/2019	10/20/2019
					3659	3659	3659	3659	3659	3659	3659	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			23,846	28,162	25,223	28,678	29,194	27,811	25,477	28,753
	pH	pH Units	5.5 - 11		7.31	7.36	7.64	7.2	8.24	7.81	8.76	7.06
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.093	0.05 U
	BTEX	mg/L	10.0		0.15	0.19	0.196	0.24	0.205	0.896	1.092	0.32
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055	0.105	0.05 U
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										
	Toluene	mg/L			0.05 U	0.09	0.096	0.14	0.105	0.791	0.894	0.22
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
	Phenanthrene	mg/L										
Metals	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October							
					10/3/2019	10/7/2019	10/8/2019	10/9/2019	10/10/2019	10/14/2019	10/16/2019	10/20/2019
					3659	3659	3659	3659	3659	3659	3659	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.012	0.009	0.014	0.011	0.008	0.006	0.008	0.008
	Copper	mg/L	1.0	.301	0.027	0.006 U	0.006 U	0.006 U	0.018	0.015	0.021	0.036
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.112
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.006	0.016	0.096	0.006	0.049	0.067	0.105	0.056
	Nickel	mg/L	1.0		0.051	0.027	0.059	0.032	0.029	0.022	0.039	0.028
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.089	0.059	0.021	0.04	0.079	0.03	0.075	0.037
PCBs	Aroclor-1016	mg/L						0.0001 U				
	Aroclor-1221	mg/L						0.0001 U				
	Aroclor-1232	mg/L						0.0001 U				
	Aroclor-1242	mg/L						0.0001 U				
	Aroclor-1248	mg/L						0.0001 U				
	Aroclor-1254	mg/L						0.0001 U				
	Aroclor-1260	mg/L						0.0001 U				
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October							
					10/3/2019	10/7/2019	10/8/2019	10/9/2019	10/10/2019	10/14/2019	10/16/2019	10/20/2019
					3659	3659	3659	3659	3659	3659	3659	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.051	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.198	0.05 U
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October							
					10/3/2019	10/7/2019	10/8/2019	10/9/2019	10/10/2019	10/14/2019	10/16/2019	10/20/2019
					3659	3659	3659	3659	3659	3659	3659	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October							
					10/3/2019	10/7/2019	10/8/2019	10/9/2019	10/10/2019	10/14/2019	10/16/2019	10/20/2019
					3659	3659	3659	3659	3659	3659	3659	3659
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October					November		
					10/21/2019	10/23/2019	10/25/2019	10/28/2019	10/29/2019	11/1/2019	11/5/2019	11/6/2019
					3659	3659	3659	3659	3660	3660	3660	3660
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			27,272	23,742	29,067	26,008	26,748	27,616	27,616	26,943
	pH	pH Units	5.5 - 11		7.89	7.35	7.25	6.51	6.92	8.45	8.94	6.52
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.178	0.182	0.398	0.202	0.188	0.184	0.213	0.28
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										0.1 U
	Toluene	mg/L			0.078	0.082	0.298	0.102	0.088	0.084	0.113	0.08
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
Metals	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October					November		
					10/21/2019	10/23/2019	10/25/2019	10/28/2019	10/29/2019	11/1/2019	11/5/2019	11/6/2019
					3659	3659	3659	3659	3660	3660	3660	3660
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.007	0.008	0.006	0.01	0.013	0.005 U	0.008	0.011
	Copper	mg/L	1.0	.301	0.029	0.021	0.028	0.006 U	0.01	0.08	0.011	0.024
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.026 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.026	0.005 U	0.014	0.009	0.023	0.322	0.449	0.021
	Nickel	mg/L	1.0		0.022	0.037	0.015 U	0.028	0.045	0.048	0.056	0.015 U
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
Zinc	mg/L	2.0	4.46	0.041	0.091	0.121	0.138	0.096	0.154	0.051	0.193	
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
PCBs	mg/L	.003										
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October					November		
					10/21/2019	10/23/2019	10/25/2019	10/28/2019	10/29/2019	11/1/2019	11/5/2019	11/6/2019
					3659	3659	3659	3659	3660	3660	3660	3660
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.154	0.05 U	0.05 U	0.05 U	0.05 U	0.091	0.051	0.05 U
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
4-Nitrophenol	mg/L											
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October					November		
					10/21/2019	10/23/2019	10/25/2019	10/28/2019	10/29/2019	11/1/2019	11/5/2019	11/6/2019
					3659	3659	3659	3659	3660	3660	3660	3660
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					October					November		
					10/21/2019	10/23/2019	10/25/2019	10/28/2019	10/29/2019	11/1/2019	11/5/2019	11/6/2019
					3659	3659	3659	3659	3660	3660	3660	3660
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					November							December
					11/11/2019	11/12/2019	11/13/2019	11/18/2019	11/19/2019	11/21/2019	11/25/2019	12/3/2019
					3660	3660	3660	3660	3660	3660	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			29,187	25,058	26,479	27,855	26,554	27,743	28,013	26,606
	pH	pH Units	5.5 - 11		6.68	7.74	6.89	6.91	6.85	7.19	6.98	6.91
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.25	0.274	0.301	0.199	0.175	0.19	0.176	0.16
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	m,p-Xylene	mg/L										
	o-Xylene	mg/L				0.1 U	0.1 U				0.1 U	
	Toluene	mg/L			0.15	0.074	0.101	0.099	0.075	0.09	0.076	0.06
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
	Cadmium	mg/L	0.25		0.003 U	0.043	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					November							December
					11/11/2019	11/12/2019	11/13/2019	11/18/2019	11/19/2019	11/21/2019	11/25/2019	12/3/2019
					3660	3660	3660	3660	3660	3660	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.041	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.005 U	0.005 U	0.005 U	0.012	0.012	0.009	0.005 U	0.007
	Copper	mg/L	1.0	.301	0.007	0.006 U	0.015	0.006 U	0.078	0.053	0.079	0.02
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.052	0.085	0.018	0.06	0.026	0.048	0.025	0.036
	Nickel	mg/L	1.0		0.026	0.019	0.015 U	0.051	0.067	0.015 U	0.015 U	0.041
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.028	0.019	0.022	0.048	0.286	0.205	0.245	0.038
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					November							December
					11/11/2019	11/12/2019	11/13/2019	11/18/2019	11/19/2019	11/21/2019	11/25/2019	12/3/2019
					3660	3660	3660	3660	3660	3660	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.05 U	0.075	0.053	0.05 U	0.162	0.05 U	0.05 U
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					November							December
					11/11/2019	11/12/2019	11/13/2019	11/18/2019	11/19/2019	11/21/2019	11/25/2019	12/3/2019
					3660	3660	3660	3660	3660	3660	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					November							December
					11/11/2019	11/12/2019	11/13/2019	11/18/2019	11/19/2019	11/21/2019	11/25/2019	12/3/2019
					3660	3660	3660	3660	3660	3660	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					December							
					12/4/2019	12/5/2019	12/11/2019	12/12/2019	12/13/2019	12/17/2019	12/18/2019	12/20/2019
					3661	3661	3661	3661	3661	3661	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			28,461	26,524	27,078	27,549	28,865	27,235	26,277	28,521
	pH	pH Units	5.5 - 11		7.84	6.35	6.33	8.8	8.42	7.19	7.12	6.77
	Temperature	°F	100									
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.05 U
	BTEX	mg/L	10.0		0.15	0.15	0.182	0.241	0.15	0.703	0.348	0.253
	Ethylbenzene	mg/L			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.098	0.05 U	0.05 U
	m,p-Xylene	mg/L										
	o-Xylene	mg/L										
	Toluene	mg/L				0.05 U	0.05 U	0.082	0.141	0.05 U	0.555	0.248
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L										
	Benzo(a)pyrene	mg/L										
	Benzo(b,k)fluoranthene	mg/L										
	Benzo(g,h,i)perylene	mg/L										
	Chrysene	mg/L										
	Dibenz(a,h)anthracene	mg/L										
	Fluoranthene	mg/L		.393		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L										
LPAHs	Pyrene	mg/L										
	Acenaphthene	mg/L										
	Acenaphthylene	mg/L										
	Anthracene	mg/L										
	Fluorene	mg/L										
	Naphthalene	mg/L										
Metals	Phenanthrene	mg/L										
	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Barium	mg/L										
	Beryllium	mg/L										
Metals	Cadmium	mg/L	0.25		0.003 U	0.003 U	0.003 U	0.01	0.003 U	0.003 U	0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					December							
					12/4/2019	12/5/2019	12/11/2019	12/12/2019	12/13/2019	12/17/2019	12/18/2019	12/20/2019
					3661	3661	3661	3661	3661	3661	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.009	0.007	0.008	0.015	0.005 U	0.009	0.008	0.008
	Copper	mg/L	1.0	.301	0.014	0.035	0.031	0.037	0.01	0.033	0.043	0.024
	Lead	mg/L	0.4	.172	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.101	0.012	0.015	0.091	0.082	0.058	0.027	0.005 U
	Nickel	mg/L	1.0		0.048	0.089	0.043	0.058	0.054	0.034	0.029	0.015 U
	Selenium	mg/L	0.1		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
	Thallium	mg/L										
	Tin	mg/L		.146	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Titanium	mg/L										
	Vanadium	mg/L										
	Zinc	mg/L	2.0	4.46	0.065	0.206	0.221	0.283	0.038	0.087	0.046	0.087
PCBs	Aroclor-1016	mg/L										
	Aroclor-1221	mg/L										
	Aroclor-1232	mg/L										
	Aroclor-1242	mg/L										
	Aroclor-1248	mg/L										
	Aroclor-1254	mg/L										
	Aroclor-1260	mg/L										
	PCBs	mg/L	.003									
Phenols	Pentachlorophenol	mg/L										
	Phenol	mg/L										

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					December							
					12/4/2019	12/5/2019	12/11/2019	12/12/2019	12/13/2019	12/17/2019	12/18/2019	12/20/2019
					3661	3661	3661	3661	3661	3661	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L										
	Diethyl phthalate	mg/L										
	Dimethyl phthalate	mg/L										
	Di-n-butyl phthalate	mg/L										
	Di-n-octyl phthalate	mg/L										
SVOA	1,2,4-Trichlorobenzene	mg/L										
	1,2-Diphenylhydrazine	mg/L										
	2,2'-oxybis(1-chloropropane)	mg/L										
	2,3-Dichloroaniline	mg/L										
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L										
	2,4-Dimethylphenol	mg/L										
	2,4-Dinitrophenol	mg/L										
	2,4-Dinitrotoluene	mg/L										
	2,6-Dinitrotoluene	mg/L										
	2-Chloronaphthalene	mg/L										
	2-Chlorophenol	mg/L										
	2-Methyl-4,6-dinitrophenol	mg/L										
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	2-Nitrophenol	mg/L										
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.05 U	0.05 U	0.091	0.05 U	0.085	0.133	0.333
	3,3'-Dichlorobenzidine	mg/L										
	4-Bromophenyl phenyl ether	mg/L										
	4-Chloro-3-Methylphenol	mg/L										
	4-Chlorophenyl phenyl ether	mg/L										
	4-Nitrophenol	mg/L										
Acetophenone	mg/L											
Aniline	mg/L											
Benzidine	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					December							
					12/4/2019	12/5/2019	12/11/2019	12/12/2019	12/13/2019	12/17/2019	12/18/2019	12/20/2019
					3661	3661	3661	3661	3661	3661	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L										
	Bis(2-chloroethyl) ether	mg/L										
	Carbazole	mg/L		.233	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Hexachlorobenzene	mg/L										
	Hexachlorobutadiene	mg/L										
	Hexachlorocyclopentadiene	mg/L										
	Hexachloroethane	mg/L										
	Isophorone	mg/L										
	n-Decane	mg/L		3.31	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Nitrobenzene	mg/L										
	N-Nitrosodimethylamine	mg/L										
	N-Nitroso-di-n-propylamine	mg/L										
	N-Nitrosodiphenylamine	mg/L										
	n-Octadecane	mg/L		.925	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine	mg/L											
TPH	SGT-HEM	mg/L	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										
	1,1,2,2-Tetrachloroethane	mg/L										
	1,1,2-Trichloroethane	mg/L										
	1,1-Dichloroethane	mg/L										
	1,1-Dichloroethene	mg/L										
	1,2-Dichlorobenzene	mg/L										
	1,2-Dichloroethane	mg/L										
	1,2-Dichloropropane	mg/L										
	1,3-Dichlorobenzene	mg/L										
	1,4-Dichlorobenzene	mg/L										
	2-Chloroethyl vinyl ether	mg/L										
	Acrolein	mg/L										
	Acrylonitrile	mg/L										
	Bromodichloromethane	mg/L										
	Bromoform	mg/L										
	Bromomethane	mg/L										
Carbon Tetrachloride	mg/L											
Chlorobenzene	mg/L											

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					December							
					12/4/2019	12/5/2019	12/11/2019	12/12/2019	12/13/2019	12/17/2019	12/18/2019	12/20/2019
					3661	3661	3661	3661	3661	3661	3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR
Volatiles	Chloroethane	mg/L										
	Chloroform	mg/L										
	Chloromethane	mg/L										
	cis-1,3-Dichloropropene	mg/L										
	Dibromochloromethane	mg/L										
	Methylene Chloride	mg/L										
	Styrene	mg/L										
	Tetrachloroethene	mg/L										
	trans-1,2-Dichloroethene	mg/L										
	trans-1,3-Dichloropropene	mg/L										
	Trichloroethene	mg/L										
	Trichlorofluoromethane	mg/L										
Vinyl Chloride	mg/L											

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					12/23/2019	12/26/2019
					3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon			28,732	
	pH	pH Units	5.5 - 11		5.88	7.42
	Temperature	°F	100			
BTEX	Benzene	mg/L	.5		0.05 U	0.05 U
	BTEX	mg/L	10.0		0.231	0.15
	Ethylbenzene	mg/L			0.05 U	0.05 U
	m,p-Xylene	mg/L				
	o-Xylene	mg/L				
	Toluene	mg/L			0.131	0.05 U
Conventionals	Cyanide, Total	mg/L	0.64		0.01 U	0.01 U
HPAHs	Benzo(a)anthracene	mg/L				
	Benzo(a)pyrene	mg/L				
	Benzo(b,k)fluoranthene	mg/L				
	Benzo(g,h,i)perylene	mg/L				
	Chrysene	mg/L				
	Dibenz(a,h)anthracene	mg/L				
	Fluoranthene	mg/L		.393	0.01 U	0.01 U
	Indeno(1,2,3-cd)pyrene	mg/L				
LPAHs	Acenaphthene	mg/L				
	Acenaphthylene	mg/L				
	Anthracene	mg/L				
	Fluorene	mg/L				
	Naphthalene	mg/L				
	Phenanthrene	mg/L				
Metals	Antimony	mg/L				
	Arsenic	mg/L	0.1		0.025 U	0.025 U
	Barium	mg/L				
	Beryllium	mg/L				
	Cadmium	mg/L	0.25		0.003 U	0.003 U

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					12/23/2019	12/26/2019
					3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
Metals	Chromium	mg/L	1.0	.487	0.007 U	0.007 U
	Cobalt	mg/L		18.8	0.005 U	0.005 U
	Copper	mg/L	1.0	.301	0.006 U	0.006 U
	Lead	mg/L	0.4	.172	0.025 U	0.025 U
	Mercury	mg/L	0.05		0.0005 U	0.0005 U
	Molybdenum	mg/L	1.0		0.018	0.05
	Nickel	mg/L	1.0		0.03	0.015 U
	Selenium	mg/L	0.1		0.025 U	0.025 U
	Silver	mg/L	0.2		0.007 U	0.007 U
	Thallium	mg/L				
	Tin	mg/L		.146	0.025 U	0.025 U
	Titanium	mg/L				
	Vanadium	mg/L				
	Zinc	mg/L	2.0	4.46	0.04	0.096
PCBs	Aroclor-1016	mg/L				
	Aroclor-1221	mg/L				
	Aroclor-1232	mg/L				
	Aroclor-1242	mg/L				
	Aroclor-1248	mg/L				
	Aroclor-1254	mg/L				
	Aroclor-1260	mg/L				
	PCBs	mg/L	.003			
Phenols	Pentachlorophenol	mg/L				
	Phenol	mg/L				

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					12/23/2019	12/26/2019
					3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		.158	0.05 U	0.05 U
	Butyl benzyl phthalate	mg/L				
	Diethyl phthalate	mg/L				
	Dimethyl phthalate	mg/L				
	Di-n-butyl phthalate	mg/L				
	Di-n-octyl phthalate	mg/L				
SVOA	1,2,4-Trichlorobenzene	mg/L				
	1,2-Diphenylhydrazine	mg/L				
	2,2'-oxybis(1-chloropropane)	mg/L				
	2,3-Dichloroaniline	mg/L				
	2,4,6-Trichlorophenol	mg/L		.106	0.05 U	0.05 U
	2,4-Dichlorophenol	mg/L				
	2,4-Dimethylphenol	mg/L				
	2,4-Dinitrophenol	mg/L				
	2,4-Dinitrotoluene	mg/L				
	2,6-Dinitrotoluene	mg/L				
	2-Chloronaphthalene	mg/L				
	2-Chlorophenol	mg/L				
	2-Methyl-4,6-dinitrophenol	mg/L				
	2-Methylphenol (o-Cresol)	mg/L		.561	0.05 U	0.05 U
	2-Nitrophenol	mg/L				
	3 & 4-Methylphenol(p-cresol)	mg/L		.205	0.05 U	0.05 U
	3,3'-Dichlorobenzidine	mg/L				
	4-Bromophenyl phenyl ether	mg/L				
	4-Chloro-3-Methylphenol	mg/L				
	4-Chlorophenyl phenyl ether	mg/L				
	4-Nitrophenol	mg/L				
Acetophenone	mg/L					
Aniline	mg/L					
Benzidine	mg/L					

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					12/23/2019	12/26/2019
					3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
SVOA	Bis(2-chloroethoxy) methane	mg/L				
	Bis(2-chloroethyl) ether	mg/L				
	Carbazole	mg/L		.233	0.05 U	0.05 U
	Hexachlorobenzene	mg/L				
	Hexachlorobutadiene	mg/L				
	Hexachlorocyclopentadiene	mg/L				
	Hexachloroethane	mg/L				
	Isophorone	mg/L				
	n-Decane	mg/L		3.31	0.05 U	0.05 U
	Nitrobenzene	mg/L				
	N-Nitrosodimethylamine	mg/L				
	N-Nitroso-di-n-propylamine	mg/L				
	N-Nitrosodiphenylamine	mg/L				
	n-Octadecane	mg/L		.925	0.05 U	0.05 U
Pyridine	mg/L					
TPH	SGT-HEM	mg/L	50		5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L				
	1,1,2,2-Tetrachloroethane	mg/L				
	1,1,2-Trichloroethane	mg/L				
	1,1-Dichloroethane	mg/L				
	1,1-Dichloroethene	mg/L				
	1,2-Dichlorobenzene	mg/L				
	1,2-Dichloroethane	mg/L				
	1,2-Dichloropropane	mg/L				
	1,3-Dichlorobenzene	mg/L				
	1,4-Dichlorobenzene	mg/L				
	2-Chloroethyl vinyl ether	mg/L				
	Acrolein	mg/L				
	Acrylonitrile	mg/L				
	Bromodichloromethane	mg/L				
	Bromoform	mg/L				
	Bromomethane	mg/L				
Carbon Tetrachloride	mg/L					
Chlorobenzene	mg/L					

Table C-20 Petroleum Reclaiming Services
2019 Compliance Comparison

					12/23/2019	12/26/2019
					3661	3661
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	SMR
Volatiles	Chloroethane	mg/L				
	Chloroform	mg/L				
	Chloromethane	mg/L				
	cis-1,3-Dichloropropene	mg/L				
	Dibromochloromethane	mg/L				
	Methylene Chloride	mg/L				
	Styrene	mg/L				
	Tetrachloroethene	mg/L				
	trans-1,2-Dichloroethene	mg/L				
	trans-1,3-Dichloropropene	mg/L				
	Trichloroethene	mg/L				
	Trichlorofluoromethane	mg/L				
Vinyl Chloride	mg/L					

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-22 Port of Tacoma
2019 Compliance Comparison

				January		February		March		April		
				1/1/2019		2/27/2019		3/1/2019	3/19/2019		4/23/2019	
				1563	January	1563	February	1563	1583	March	1564	April
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	Average	SMR	Sample	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon			41000		41000			41000	39000	
	pH	pH Units	5.5 - 11			8.78			7.65		8.18	
	Temperature	°F	100						63.9			
Conventionals	Cyanide, Total	mg/L	0.64						0.005 U			
Metals	Arsenic	mg/L	0.1						0.00485			
	Cadmium	mg/L	0.25						0.00012 U			
	Chromium	mg/L	0.25			0.007 U			0.0023 U		0.007 U	
	Copper	mg/L	1.0			0.006 U			0.00073 U		0.006 U	
	Lead	mg/L	0.4			0.025 U			0.0610		0.025 U	
	Mercury	mg/L	0.05									
	Molybdenum	mg/L	1.0						0.0564			
	Nickel	mg/L	1.0			0.029			0.0343		0.022	
	Selenium	mg/L	0.1						0.00013 U			
	Silver	mg/L	0.2									
Zinc	mg/L	2.0			0.026			2.00		0.979		
PCBs	Aroclor-1016	mg/L							1E-05 U			
	Aroclor-1221	mg/L							3E-05 U			
	Aroclor-1232	mg/L							1E-05 U			
	Aroclor-1242	mg/L							1E-05 U			
	Aroclor-1248	mg/L							1E-05 U			
	Aroclor-1254	mg/L							2E-05 U			
Aroclor-1260	mg/L							2E-05 U				
TPH	SGT-HEM	mg/L	50			5.0 U			1.7 U		5 U	

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-22 Port of Tacoma
2019 Compliance Comparison

				July		September		October			
				7/23/2019			9/25/2019		10/11/2019		
				1207	1565	July	3507	September	1566	October	
Category	Parameter	Unit	Daily Limit	SMR	SMR	Average	Sample	Average	SMR	Average	
Flow, pH, and Temperature	Flow	Gallon			37000				40000		
	pH	pH Units	5.5 - 11	8.6	8.6		7.27		8.46		
	Temperature	°F	100				62.1				
Conventionals	Cyanide, Total	mg/L	0.64				0.005 U				
Metals	Arsenic	mg/L	0.1				0.00356				
	Cadmium	mg/L	0.25				0.00012 U				
	Chromium	mg/L	0.25	0.007 U	0.007 U		0.00400		0.007 U		
	Copper	mg/L	1.0	0.006 U	0.006 U		0.0192		0.006 U		
	Lead	mg/L	0.4	0.025 U	0.025 U		0.0610		0.025 U		
	Mercury	mg/L	0.05				2E-05 U				
	Molybdenum	mg/L	1.0				0.0367				
	Nickel	mg/L	1.0	0.017	0.017		0.00943		0.015 U		
	Selenium	mg/L	0.1				0.00013 U				
	Silver	mg/L	0.2				0.00016 U				
Zinc	mg/L	2.0	0.298	0.298		0.338		0.038			
PCBs	Aroclor-1016	mg/L					1E-05 U				
	Aroclor-1221	mg/L					3E-05 U				
	Aroclor-1232	mg/L					1E-05 U				
	Aroclor-1242	mg/L					1E-05 U				
	Aroclor-1248	mg/L					1E-05 U				
	Aroclor-1254	mg/L					2E-05 U				
Aroclor-1260	mg/L					2E-05 U					
TPH	SGT-HEM	mg/L	50	5 U	5 U		2 U		5 U		

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					January		February		March			April		
					1/11/2019		2/20/2019		3/14/2019	3/22/2019			4/16/2019	4/30/2019
					1097	January	2828	February	2887	2887	2829	March	2830	2888
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon	3500			813		677				1079		
		pH Units	5.5 - 11			7.86		7.19		7.83	8.11	8.11		7.44
		°F	100											
	pH	mg/L												
	Temperature	ug/L												
BTEX	Benzene	mg/L												
		ug/L												
	Ethylbenzene	mg/L												
		ug/L												
	m,p-Xylene	mg/L												
		ug/L												
	o-Xylene	mg/L												
		ug/L												
Toluene	mg/L	0.64	.65						0.01 U					
	mg/L													
Conventionals	Cyanide, Total	ug/L												
HPAHs	Benzo(a)anthracene	mg/L												
		ug/L												
	Benzo(a)pyrene	ug/L												
		ug/L												
	Benzo(b)fluoranthene	mg/L												
	Benzo(b,j,k)fluoranthene	mg/L												
	Benzo(b,k)fluoranthene	ug/L												
	Benzo(g,h,i)perylene	mg/L												
		ug/L												
	Chrysene	mg/L												
		ug/L												
	Dibenz(a,h)anthracene	mg/L												
		ug/L												
	Fluoranthene	mg/L												
		ug/L												
	Indeno(1,2,3-cd)pyrene	mg/L												
ug/L														
Pyrene	mg/L													
	ug/L													

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					January		February		March				April	
					1/11/2019		2/20/2019		3/14/2019	3/22/2019			4/16/2019	4/30/2019
					1097	January	2828	February	2887	2887	2829	March	2830	2888
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR
LPAHs	Acenaphthene	mg/L												
		ug/L												
	Acenaphthylene	mg/L												
		ug/L												
	Anthracene	mg/L												
		ug/L												
	Fluorene	mg/L												
		ug/L												
Naphthalene	mg/L													
	ug/L													
Phenanthrene	mg/L	0.1												
	mg/L	0.25	.07						0.003 U					
Metals	Arsenic	mg/L	1	1.71									0.007 U	
	Cadmium	mg/L	1	2.07									0.013 U	
	Chromium	mg/L	0.4	.43									0.025 U	
	Copper	mg/L	0.05											
	Lead	mg/L	1											
	Mercury	mg/L	1	2.38									0.028	
	Molybdenum	mg/L	0.1											
	Nickel	mg/L	0.2	.24									0.007 U	
	Selenium	mg/L	2	1.48									0.006 U	
	Silver	mg/L				0.0075								
	Zinc	mg/L	2.13											0.1209
Other	TTO	mg/L												
	TTO - VOA, SVOA	ug/L												
Phenols	Pentachlorophenol	mg/L												
		ug						2.5 U			2.5 U	2.5 U		
	Phenol	ug/L				2.5 U								
mg/L														
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L												
		ug/L												
	Butyl benzyl phthalate	mg/L												
		ug/L												
	Diethyl phthalate	mg/L												
		ug/L												

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					January		February		March				April	
					1/11/2019		2/20/2019		3/14/2019	3/22/2019			4/16/2019	4/30/2019
					1097	January	2828	February	2887	2887	2829	March	2830	2888
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR
Phthalates	Dimethyl phthalate	mg/L												
		ug/L												
	Di-n-butyl phthalate	mg/L												
		ug/L												
	Di-n-octyl phthalate	mg/L												
		ug/L												
SVOA	1,2,4-Trichlorobenzene	mg/L												
		ug/L												
	1,2-Diphenylhydrazine	mg/L												
		ug/L												
	2,2'-oxybis(1-chloropropane)	mg/L												
		mg/L												
	2,3-Dichloroaniline	ug/L												
	2,4,6-Trichlorophenol	mg/L												
		ug/L												
	2,4-Dichlorophenol	mg/L												
		ug/L												
	2,4-Dimethylphenol	mg/L												
		ug/L												
	2,4-Dinitrophenol	mg/L												
		ug/L												
	2,4-Dinitrotoluene	mg/L												
		ug/L												
	2,6-Dinitrotoluene	mg/L												
		ug/L												
	2-Chloronaphthalene	mg/L												
		ug/L												
	2-Chlorophenol	mg/L												
		ug/L												
	2-Methyl-4,6-dinitrophenol	mg/L												
mg/L														
2-Methylphenol (o-Cresol)	ug/L													
2-Nitrophenol	mg/L													
	mg/L													
3 & 4-Methylphenol(p-cresol)	ug/L													
3,3'-Dichlorobenzidine	mg/L													
	ug/L													

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					January		February		March				April	
					1/11/2019		2/20/2019		3/14/2019	3/22/2019			4/16/2019	4/30/2019
					1097	January	2828	February	2887	2887	2829	March	2830	2888
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR
SVOA	4-Bromophenyl phenyl ether	mg/L												
		ug/L												
	4-Chloro-3-Methylphenol	mg/L												
		ug/L												
	4-Chlorophenyl phenyl ether	mg/L												
		ug/L												
	4-Nitrophenol	mg/L												
		mg/L												
	Acetophenone	mg/L												
	Aniline	ug/L												
	Benzidine	mg/L												
		ug/L												
	Bis(2-chloroethoxy) methane	mg/L												
		ug/L												
	Bis(2-chloroethyl) ether	mg/L												
		mg/L												
	Carbazole	ug/L												
	Hexachlorobenzene	mg/L												
		ug/L												
	Hexachlorobutadiene	mg/L												
		ug/L												
	Hexachlorocyclopentadiene	mg/L												
		ug/L												
	Hexachloroethane	mg/L												
		ug/L												
	Isophorone	mg/L												
		mg/L												
	n-Decane	ug/L												
	Nitrobenzene	mg/L												
		ug/L												
N-Nitrosodimethylamine	mg/L													
	ug/L													
N-Nitroso-di-n-propylamine	mg/L													
	ug/L													
N-Nitrosodiphenylamine	mg/L													
	mg/L													
n-Octadecane	mg/L	50												
Pyridine	mg/L													

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					January		February		March				April	
					1/11/2019		2/20/2019		3/14/2019	3/22/2019			4/16/2019	4/30/2019
					1097	January	2828	February	2887	2887	2829	March	2830	2888
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR
TPH	SGT-HEM	ug/L												
Volatiles	1,1,1-Trichloroethane	mg/L												
		ug/L												
	1,1,2,2-Tetrachloroethane	mg/L												
		ug/L												
	1,1,2-Trichloroethane	mg/L												
		ug/L												
	1,1-Dichloroethane	mg/L												
		ug/L												
	1,1-Dichloroethene	mg/L												
		ug/L												
	1,2-Dichlorobenzene	mg/L												
		ug/L												
	1,2-Dichloroethane	mg/L												
		ug/L												
	1,2-Dichloropropane	mg/L												
		ug/L												
	1,3-Dichlorobenzene	mg/L												
		ug/L												
	1,4-Dichlorobenzene	mg/L												
		ug/L												
	2-Chloroethyl vinyl ether	mg/L												
		ug/L												
	Acrolein	mg/L												
		ug/L												
	Acrylonitrile	ug/L												
		mg/L												
	Bromochloromethane	ug/L												
	Bromodichloromethane	mg/L												
ug/L														
Bromoform	mg/L													
	ug/L													
Bromomethane	mg/L													
	ug/L													
Carbon Tetrachloride	mg/L													
	ug/L													

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					January		February		March				April	
					1/11/2019		2/20/2019		3/14/2019	3/22/2019			4/16/2019	4/30/2019
					1097	January	2828	February	2887	2887	2829	March	2830	2888
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	Average	SMR	SMR	SMR	Average	SMR	SMR
Volatiles	Chlorobenzene	mg/L												
		ug/L												
	Chloroethane	mg/L												
		ug/L												
	Chloroform	mg/L												
		ug/L												
	Chloromethane	mg/L												
		ug/L												
	cis-1,3-Dichloropropene	mg/L												
		ug/L												
	Dibromochloromethane	mg/L												
		ug						5 U			5 U	5 U		
	Methylene Chloride	ug/L				5 U								
		mg/L												
		mg/L												
	Styrene	ug/L												
	Tetrachloroethene	mg/L												
		ug/L												
	Total 1,2-Dichloroethene	mg/L												
	trans-1,2-Dichloroethene	ug/L												
trans-1,3-Dichloropropene	mg/L													
	ug/L													
Trichloroethene	mg/L													
	mg/L													
Trichlorofluoromethane	ug/L													
Vinyl Chloride														

Bold - The analyte was present in the sample.
 U - Analyte not detected at or above the associated value.
 UJ - Analyte not detected at or above the associated estimated value.
 J - The result is an estimated concentration.

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					April	May			June					
						5/14/2019	5/31/2019		6/17/2019		6/25/2019	6/27/2019	6/28/2019	
					April	2831	2888	May	2888	2832	2888	2888	2888	June
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average
Flow, pH, and Temperature	Flow	Gallon	3500		211			211						860
		pH Units	5.5 - 11			7.37				7.59				
		°F	100											
	pH	mg/L												
	Temperature	ug/L								1 U				
BTEX	Benzene	mg/L												
		ug/L								1 U				
	Ethylbenzene	mg/L												
		ug/L									2 U			
	m,p-Xylene	mg/L												
		ug/L												
	o-Xylene	mg/L												
		ug/L									1 U			
Toluene	mg/L	0.64	.65								0.01 U	0.01		
	ug/L													
Conventionals	Cyanide, Total	ug/L								10 U				
HPAHs	Benzo(a)anthracene	mg/L												
		ug/L								10 U				
	Benzo(a)pyrene	ug/L									10 U			
		ug/L									10 U			
	Benzo(b)fluoranthene	mg/L												
	Benzo(b,j,k)fluoranthene	mg/L												
	Benzo(b,k)fluoranthene	ug/L									10 U			
	Benzo(g,h,i)perylene	mg/L												
		ug/L									10 U			
	Chrysene	mg/L												
		ug/L									10 U			
	Dibenz(a,h)anthracene	mg/L												
		ug/L									10 U			
	Fluoranthene	mg/L												
		ug/L									10 U			
	Indeno(1,2,3-cd)pyrene	mg/L												
ug/L										10 U				
Pyrene	mg/L													
	ug/L									10 U				

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					April	May			June					
						5/14/2019	5/31/2019		6/17/2019		6/25/2019	6/27/2019	6/28/2019	
					April	2831	2888	May	2888	2832	2888	2888	2888	June
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average
LPAHs	Acenaphthene	mg/L												
		ug/L								10 U				
	Acenaphthylene	mg/L												
		ug/L									10 U			
	Anthracene	mg/L												
		ug/L									10 U			
	Fluorene	mg/L												
		ug/L									10 U			
Naphthalene	mg/L													
	ug/L									10 U				
Phenanthrene	mg/L	0.1												
	mg/L	0.25	.07									0.003 U	0.003 U	
Metals	Arsenic	mg/L	1	1.71									0.007 U	0.007 U
	Cadmium	mg/L	1	2.07									0.006 U	0.006 U
	Chromium	mg/L	0.4	.43									0.025 U	0.025 U
	Copper	mg/L	0.05											
	Lead	mg/L	1											
	Mercury	mg/L	1	2.38									0.015 U	0.015 U
	Molybdenum	mg/L	0.1											
	Nickel	mg/L	0.2	.24									0.007 U	0.007 U
	Selenium	mg/L	2	1.48									0.406	0.048
	Silver	mg/L												
	Zinc	mg/L	2.13				0.0075 U							
Other	TTO	mg/L												
	TTO - VOA, SVOA	ug/L									25 U			
Phenols	Pentachlorophenol	mg/L												
		ug												
	Phenol	ug/L										25 U		
		mg/L												
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L												
		ug/L										25 U		
	Butyl benzyl phthalate	mg/L												
		ug/L											25 U	
	Diethyl phthalate	mg/L												
		ug/L											25 U	

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					April	May			June					
						5/14/2019	5/31/2019		6/17/2019		6/25/2019	6/27/2019	6/28/2019	
					April	2831	2888	May	2888	2832	2888	2888	2888	June
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average
Phthalates	Dimethyl phthalate	mg/L												
		ug/L								25 U				
	Di-n-butyl phthalate	mg/L												
		ug/L									25 U			
	Di-n-octyl phthalate	mg/L												
		ug/L									1 U			
SVOA	1,2,4-Trichlorobenzene	mg/L												
		ug/L									25 U			
	1,2-Diphenylhydrazine	mg/L												
		ug/L												
	2,2'-oxybis(1-chloropropane)	mg/L												
		mg/L												
	2,3-Dichloroaniline	ug/L									25 U			
	2,4,6-Trichlorophenol	mg/L												
		ug/L										25 U		
	2,4-Dichlorophenol	mg/L												
		ug/L										25 U		
	2,4-Dimethylphenol	mg/L												
		ug/L										100 U		
	2,4-Dinitrophenol	mg/L												
		ug/L										25 U		
	2,4-Dinitrotoluene	mg/L												
		ug/L										25 U		
	2,6-Dinitrotoluene	mg/L												
		ug/L										25 U		
	2-Chloronaphthalene	mg/L												
		ug/L										25 U		
	2-Chlorophenol	mg/L												
		ug/L										100 U		
	2-Methyl-4,6-dinitrophenol	mg/L												
		mg/L												
	2-Methylphenol (o-Cresol)	ug/L										25 U		
	2-Nitrophenol	mg/L												
		mg/L												
3 & 4-Methylphenol(p-cresol)	ug/L													
3,3'-Dichlorobenzidine	mg/L													
	ug/L										25 U			

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					April	May			June						
						5/14/2019	5/31/2019		6/17/2019		6/25/2019	6/27/2019	6/28/2019		
					April	2831	2888	May	2888	2832	2888	2888	2888	June	
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average	
SVOA	4-Bromophenyl phenyl ether	mg/L													
		ug/L								25 U					
	4-Chloro-3-Methylphenol	mg/L													
		ug/L									25 U				
	4-Chlorophenyl phenyl ether	mg/L													
		ug/L									25 U				
	4-Nitrophenol	mg/L													
		mg/L													
	Acetophenone	mg/L													
	Aniline	ug/L													
	Benzidine	mg/L													
		ug/L									25 U				
	Bis(2-chloroethoxy) methane	mg/L													
		ug/L									25 U				
	Bis(2-chloroethyl) ether	mg/L													
		mg/L													
	Carbazole	ug/L									25 U				
	Hexachlorobenzene	mg/L													
		ug/L									25 U				
	Hexachlorobutadiene	mg/L													
		ug/L									25 U				
	Hexachlorocyclopentadiene	mg/L													
		ug/L									25 U				
	Hexachloroethane	mg/L													
		ug/L									25 U				
	Isophorone	mg/L													
		mg/L													
	n-Decane	ug/L									25 U				
	Nitrobenzene	mg/L													
		ug/L									25 U				
	N-Nitrosodimethylamine	mg/L													
		ug/L									25 U				
N-Nitroso-di-n-propylamine	mg/L														
	ug/L														
N-Nitrosodiphenylamine	mg/L														
	mg/L														
n-Octadecane	mg/L	50										5.0 U	14		
Pyridine	mg/L														

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					April	May			June					
						5/14/2019	5/31/2019		6/17/2019		6/25/2019	6/27/2019	6/28/2019	
					April	2831	2888	May	2888	2832	2888	2888	2888	June
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average
TPH	SGT-HEM	ug/L								1 U				
Volatiles	1,1,1-Trichloroethane	mg/L												
		ug/L								1 U				
	1,1,2,2-Tetrachloroethane	mg/L												
		ug/L									1 U			
	1,1,2-Trichloroethane	mg/L												
		ug/L									1 U			
	1,1-Dichloroethane	mg/L												
		ug/L									1 U			
	1,1-Dichloroethene	mg/L												
		ug/L									25 U			
	1,2-Dichlorobenzene	mg/L												
		ug/L									1 U			
	1,2-Dichloroethane	mg/L												
		ug/L									1 U			
	1,2-Dichloropropane	mg/L												
		ug/L									1 U			
	1,3-Dichlorobenzene	mg/L												
		ug/L									25 U			
	1,4-Dichlorobenzene	mg/L												
		ug/L									10 U			
	2-Chloroethyl vinyl ether	mg/L												
		ug/L									10 U			
	Acrolein	mg/L												
		ug/L									10 U			
Acrylonitrile	ug/L													
	mg/L													
Bromochloromethane	ug/L									1 U				
Bromodichloromethane	mg/L													
	ug/L									1 U				
Bromoform	mg/L													
	ug/L									1 U				
Bromomethane	mg/L													
	ug/L									1 U				
Carbon Tetrachloride	mg/L													
	ug/L									1 U				

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					April	May			June						
						5/14/2019	5/31/2019		6/17/2019		6/25/2019	6/27/2019	6/28/2019		
					April	2831	2888	May	2888	2832	2888	2888	2888	June	
Category	Parameter	Unit	Daily Limit	Monthly Limit	Average	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average	
Volatiles	Chlorobenzene	mg/L													
		ug/L								1 U					
	Chloroethane	mg/L													
		ug/L									4.61				
	Chloroform	mg/L													
		ug/L									1 U				
	Chloromethane	mg/L													
		ug/L									1 U				
	cis-1,3-Dichloropropene	mg/L													
		ug/L									1 U				
	Dibromochloromethane	mg/L													
		ug													
	Methylene Chloride	ug/L										5 U			
		mg/L													
		mg/L													
	Styrene	ug/L										1 U			
	Tetrachloroethene	mg/L													
		ug/L										1 U			
	Total 1,2-Dichloroethene	mg/L													
	trans-1,2-Dichloroethene	ug/L											1 U		
trans-1,3-Dichloropropene	mg/L														
	ug/L											1 U			
Trichloroethene	mg/L														
	mg/L														
Trichlorofluoromethane	ug/L											1 U			
Vinyl Chloride															

Bold - The analyte was present in the sample.
 U - Analyte not detected at or above the associated value.
 UJ - Analyte not detected at or above the associated estimated value.
 J - The result is an estimated concentration.

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					July		August			September		October		November
					7/16/2019		8/16/2019	8/29/2019		9/23/2019		10/23/2019		11/14/2019
					2833	July	2834	2889	August	2835	September	2836	October	3045
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	SMR	Average	SMR	Average	SMR	Average	Sample
Flow, pH, and Temperature	Flow	Gallon	3500			808			1887		2476		182	
		pH Units	5.5 - 11			7.3		6.47			7.54		9.33	
	°F	100												60.8
	pH	mg/L												0.0022 U
BTEX	Benzene	ug/L												0.0032 U
		ug/L				1 U		1 U		1 U		1 U		
	Ethylbenzene	mg/L												0.0084 U
		ug/L									2 U		2 U	
	m,p-Xylene	mg/L												0.0026 U
		ug/L					2 U						2 U	
	o-Xylene	mg/L												0.0054 U
		ug/L					1 U		1 U		1 U		1 U	
Toluene	mg/L	0.64	.65					0.01 U						
	mg/L													
Conventionals	Cyanide, Total	ug/L					1 U		1 U		1 U		1 U	
HPAHs	Benzo(a)anthracene	mg/L												
		ug/L				1 U		1 U		1 U		1 U		
	Benzo(a)pyrene	ug/L												
		ug/L												
	Benzo(b)fluoranthene	mg/L												
	Benzo(b,j,k)fluoranthene	mg/L												
	Benzo(b,k)fluoranthene	ug/L												
	Benzo(g,h,i)perylene	mg/L												
		ug/L												
	Chrysene	mg/L												
		ug/L												
	Dibenz(a,h)anthracene	mg/L												
		ug/L												
	Fluoranthene	mg/L												
ug/L														
Indeno(1,2,3-cd)pyrene	mg/L													
	ug/L													
Pyrene	mg/L													
	ug/L													

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					July		August			September		October		November	
					7/16/2019		8/16/2019	8/29/2019		9/23/2019		10/23/2019		11/14/2019	
					2833	July	2834	2889	August	2835	September	2836	October	3045	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	SMR	Average	SMR	Average	SMR	Average	Sample	
LPAHs	Acenaphthene	mg/L													
		ug/L			1 U			1 U			1 U		1 U		
	Acenaphthylene	mg/L													
		ug/L			1 U			1 U			1 U		1 U		
	Anthracene	mg/L													
		ug/L			1 U			1 U			1 U		1 U		
	Fluorene	mg/L													
		ug/L			1 U			1 U			1 U		1 U		
Naphthalene	mg/L														
	ug/L			1 U			1 U			1 U		1 U			
Phenanthrene	mg/L	0.1													
	mg/L	0.25	.07					0.003 U							
Metals	Arsenic	mg/L	1	1.71											
	Cadmium	mg/L	1	2.07											
	Chromium	mg/L	0.4	.43											
	Copper	mg/L	0.05												
	Lead	mg/L	1												
	Mercury	mg/L	1	2.38											
	Molybdenum	mg/L	0.1												
	Nickel	mg/L	0.2	.24											
	Selenium	mg/L	2	1.48											
	Silver	mg/L													
	Zinc	mg/L	2.13												
Other	TTO	mg/L													
	TTO - VOA, SVOA	ug/L			2.5 U		2.5 U			2.5 U		2.5 U			
Phenols	Pentachlorophenol	mg/L													
		ug													
	Phenol	ug/L			2.5 U		2.5 U			2.5 U		2.5 U			
		mg/L			10.3		25.3			34.8		32.1			
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L													
		ug/L			2.5 U		2.5 U			2.5 U		2.5 U			
	Butyl benzyl phthalate	mg/L													
		ug/L			2.5 U		2.5 U			2.5 U		2.5 U			
	Diethyl phthalate	mg/L													
		ug/L			2.5 U		2.5 U			2.5 U		2.5 U			

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					July		August			September		October		November
					7/16/2019		8/16/2019	8/29/2019		9/23/2019		10/23/2019		11/14/2019
					2833	July	2834	2889	August	2835	September	2836	October	3045
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	SMR	Average	SMR	Average	SMR	Average	Sample
Phthalates	Dimethyl phthalate	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Di-n-butyl phthalate	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Di-n-octyl phthalate	mg/L												
		ug/L			1 U			1 U			1 U		1 U	
SVOA	1,2,4-Trichlorobenzene	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	1,2-Diphenylhydrazine	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2,2'-oxybis(1-chloropropane)	mg/L												
		mg/L												
	2,3-Dichloroaniline	ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2,4,6-Trichlorophenol	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2,4-Dichlorophenol	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2,4-Dimethylphenol	mg/L												
		ug/L			10 U			10 U			10 U		10 U	
	2,4-Dinitrophenol	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2,4-Dinitrotoluene	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2,6-Dinitrotoluene	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2-Chloronaphthalene	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2-Chlorophenol	mg/L												
		ug/L			10 U			10 U			10 U		10 U	
	2-Methyl-4,6-dinitrophenol	mg/L												
		mg/L												
	2-Methylphenol (o-Cresol)	ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	2-Nitrophenol	mg/L												
		mg/L												
3 & 4-Methylphenol(p-cresol)	ug/L						20 U			20 U		20 U		
3,3'-Dichlorobenzidine	mg/L													
	ug/L			2.5 U			2.5 U			2.5 U		2.5 U		

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					July		August			September		October		November
					7/16/2019		8/16/2019	8/29/2019		9/23/2019		10/23/2019		11/14/2019
					2833	July	2834	2889	August	2835	September	2836	October	3045
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	SMR	Average	SMR	Average	SMR	Average	Sample
SVOA	4-Bromophenyl phenyl ether	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	4-Chloro-3-Methylphenol	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	4-Chlorophenyl phenyl ether	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	4-Nitrophenol	mg/L												
		mg/L												
	Acetophenone	mg/L												
	Aniline	ug/L						20 U			20 U		20 U	
	Benzidine	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Bis(2-chloroethoxy) methane	mg/L												
		ug/L			2.5 U			2.5 U			5 U		2.5 U	
	Bis(2-chloroethyl) ether	mg/L												
		mg/L												
	Carbazole	ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Hexachlorobenzene	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Hexachlorobutadiene	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Hexachlorocyclopentadiene	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Hexachloroethane	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Isophorone	mg/L												
		mg/L												
	n-Decane	ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	Nitrobenzene	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
	N-Nitrosodimethylamine	mg/L												
		ug/L			2.5 U			2.5 U			2.5 U		2.5 U	
N-Nitroso-di-n-propylamine	mg/L													
	ug/L						2.5 U			2.5 U		2.5 U		
N-Nitrosodiphenylamine	mg/L													
	mg/L													
n-Octadecane	mg/L	50						5 U					3.3	
Pyridine	mg/L												0.0056 U	

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					July		August			September		October		November
					7/16/2019		8/16/2019	8/29/2019		9/23/2019		10/23/2019		11/14/2019
					2833	July	2834	2889	August	2835	September	2836	October	3045
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	SMR	Average	SMR	Average	SMR	Average	Sample
TPH	SGT-HEM	ug/L			1 U		1 U			1 U		1 U		
Volatiles	1,1,1-Trichloroethane	mg/L												0.004 U
		ug/L			1 U		1 U			1 U		1 U		
	1,1,2,2-Tetrachloroethane	mg/L												0.003 U
		ug/L				1 U		1 U			1 U		1 U	
	1,1,2-Trichloroethane	mg/L												0.0036 U
		ug/L				1 U		1 U			1 U		1 U	
	1,1-Dichloroethane	mg/L												0.005 U
		ug/L				1 U		1 U			1 U		1 U	
	1,1-Dichloroethene	mg/L												0.0032 U
		ug/L				2.5 U		2.5 U			2.5 U		2.5 U	
	1,2-Dichlorobenzene	mg/L												0.003 U
		ug/L				1 U		1 U			1 U		1 U	
	1,2-Dichloroethane	mg/L												0.0026 U
		ug/L				1 U		1 U			1 U		1 U	
	1,2-Dichloropropane	mg/L												0.0036 U
		ug/L				1 U		1 U			1 U		1 U	
	1,3-Dichlorobenzene	mg/L												0.0038 U
		ug/L				2.5 U		2.5 U			2.5 U		2.5 U	
	1,4-Dichlorobenzene	mg/L												0.0022 U
		ug/L				10 U		10 U			10 U		10 U	
	2-Chloroethyl vinyl ether	mg/L												0.03 U
		ug/L				10 U		10 U			10 U		10 U	
	Acrolein	mg/L												0.028 U
		ug/L				10 U		10 U			10 U		10 U	
Acrylonitrile	ug/L									1 U				
	mg/L												0.0034 U	
Bromochloromethane	ug/L				1.28		1.44			2.11		1.93		
Bromodichloromethane	mg/L												0.003 U	
	ug/L				1 U		1 U			1 U		1 U		
Bromoform	mg/L												0.0076 U	
	ug/L				1 U		1 U			1 U		1 U		
Bromomethane	mg/L												0.0034 U	
	ug/L				1 U		1 U			1 U		1 U		
Carbon Tetrachloride	mg/L												0.0018 U	
	ug/L				1 U		1 U			1 U		1 U		

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					July		August			September		October		November	
					7/16/2019		8/16/2019	8/29/2019		9/23/2019		10/23/2019		11/14/2019	
					2833	July	2834	2889	August	2835	September	2836	October	3045	
Category	Parameter	Unit	Daily Limit	Monthly Limit	SMR	Average	SMR	SMR	Average	SMR	Average	SMR	Average	Sample	
Volatiles	Chlorobenzene	mg/L												0.0024 U	
		ug/L			1 U			1 U			1 U				
	Chloroethane	mg/L													0.0026 U
		ug/L				50 U		6.96			50 U		10.2		
	Chloroform	mg/L													0.0048 U
		ug/L				1 U		1 U			1 U		1 U		
	Chloromethane	mg/L													0.0018 U
		ug/L				1 U		1 U			1 U		1 U		
	cis-1,3-Dichloropropene	mg/L													0.0024 U
		ug/L				1 U		1 U			1 U		1 U		
	Dibromochloromethane	mg/L													0.0084 U
		ug													
	Methylene Chloride	ug/L				5 U		5 U			5 U		5 U		
		mg/L													0.0026 U
		mg/L													0.0036 U
	Styrene	ug/L				1 U		1 U			1 U		1 U		
	Tetrachloroethene	mg/L													0.01 U
		ug/L				1 U		1 U			1 U		1 U		
	Total 1,2-Dichloroethene	mg/L													0.0024 U
	trans-1,2-Dichloroethene	ug/L				1 U		1 U			1 U		1 U		
trans-1,3-Dichloropropene	mg/L													0.003 U	
	ug/L				1 U		1 U			1 U		1 U			
Trichloroethene	mg/L													0.003 U	
	mg/L													0.003 U	
Trichlorofluoromethane	ug/L				1 U		1 U			1 U		1 U			
Vinyl Chloride															

Bold - The analyte was present in the sample.
 U - Analyte not detected at or above the associated value.
 UJ - Analyte not detected at or above the associated estimated value.
 J - The result is an estimated concentration.

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					November			December				
					11/15/2019	11/22/2019		12/12/2019	12/19/2019	12/24/2019		
					3045	2837	November	2890	3046	2838	December	
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	SMR	Average	SMR	Sample	SMR	Average	
Flow, pH, and Temperature	Flow	Gallon	3500				292				1129	
		pH Units	5.5 - 11				6.99		6.19	7.54	6.22	
		°F	100							51.6		
	pH	mg/L							0.0022 U			
	Temperature	ug/L				1 U				1 U		
BTEX	Benzene	mg/L							0.0032 U			
		ug/L					1 U			1 U		
	Ethylbenzene	mg/L							0.0084 U			
		ug/L					2 U			2 U		
	m,p-Xylene	mg/L							0.0026 U			
		ug/L										
	o-Xylene	mg/L							0.0054 U			
		ug/L					1 U				1 U	
Toluene	mg/L	0.64	.65		0.005 U			0.01 U	0.005 U			
	ug/L				0.0011 U				0.0011 U			
Conventionals	Cyanide, Total	ug/L				1 U				1 U		
HPAHs	Benzo(a)anthracene	mg/L			0.0015 U				0.0014 U			
		ug/L				1 U				1 U		
	Benzo(a)pyrene	ug/L					1 U				1 U	
		ug/L					1 U				1 U	
	Benzo(b)fluoranthene	mg/L			0.0023 U				0.0022 U			
	Benzo(b,j,k)fluoranthene	mg/L			0.0014 U				0.0014 U			
	Benzo(b,k)fluoranthene	ug/L				1 U				1 U		
	Benzo(g,h,i)perylene	mg/L				0.0011 U				0.0011 U		
		ug/L					1 U				1 U	
	Chrysene	mg/L				0.0017 U				0.0016 U		
		ug/L					1 U				1 U	
	Dibenz(a,h)anthracene	mg/L				0.0008 U				0.0007 U		
		ug/L					1 U				1 U	
	Fluoranthene	mg/L				0.0015 U				0.0014 U		
		ug/L					1 U				1 U	
	Indeno(1,2,3-cd)pyrene	mg/L				0.0013 U				0.0012 U		
ug/L						1 U				1 U		
Pyrene	mg/L				0.0012 U				0.0012 U			
	ug/L					1 U				1 U		

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					November			December			
					11/15/2019	11/22/2019		12/12/2019	12/19/2019	12/24/2019	
					3045	2837	November	2890	3046	2838	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	SMR	Average	SMR	Sample	SMR	Average
LPAHs	Acenaphthene	mg/L			0.0012 U				0.0012 U		
		ug/L				1 U				1 U	
	Acenaphthylene	mg/L			0.0011 U				0.001 U		
		ug/L				1 U				1 U	
	Anthracene	mg/L			0.0013 U				0.0012 U		
		ug/L				1 U				1 U	
	Fluorene	mg/L			0.0012 U				0.0012 U		
		ug/L				1 U				1 U	
	Naphthalene	mg/L			0.0011 U				0.001 U		
		ug/L				1 U				1 U	
Phenanthrene	mg/L	0.1			0.0001 U			0.0001 U			
	mg/L	0.25	.07		0.00012 U			0.003 U	0.00013 U		
Metals	Arsenic	mg/L	1	1.71	0.0023 U			0.007 U	0.0023 U		
	Cadmium	mg/L	1	2.07	0.00210			0.006 U	0.00120		
	Chromium	mg/L	0.4	.43	0.0001 U			0.025 U	0.00017 U		
	Copper	mg/L	0.05		2E-05 U				2E-05 U		
	Lead	mg/L	1		0.0004 U				0.0004 U		
	Mercury	mg/L	1	2.38	0.00031 U			0.015 U	0.00031 U		
	Molybdenum	mg/L	0.1		0.00013 U				0.00013 U		
	Nickel	mg/L	0.2	.24	0.00016 U			0.007 U	0.00016 U		
	Selenium	mg/L	2	1.48	0.0571			0.222	0.0160		
	Silver	mg/L									
	Zinc	mg/L	2.13								
Other	TTO	mg/L			0.0076 U				0.0072 U		
	TTO - VOA, SVOA	ug/L				2.5 U				2.5 U	
Phenols	Pentachlorophenol	mg/L			0.002 U				0.002 U		
		ug									
	Phenol	ug/L				2.5 U				2.5 U	
		mg/L			0.0012 U				0.0012 U		
	ug/L				2.5 U				38.4		
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L			0.0016 U				0.0015 U		
		ug/L				2.5 U				2.5 U	
	Butyl benzyl phthalate	mg/L			0.0023 U				0.0022 U		
		ug/L				2.5 U				2.5 U	
	Diethyl phthalate	mg/L			0.0011 U				0.001 U		
		ug/L				2.5 U				2.5 U	

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					November			December			
					11/15/2019	11/22/2019		12/12/2019	12/19/2019	12/24/2019	
					3045	2837	November	2890	3046	2838	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	SMR	Average	SMR	Sample	SMR	Average
Phthalates	Dimethyl phthalate	mg/L			0.0023 U				0.0022 U		
		ug/L				2.5 U				2.5 U	
	Di-n-butyl phthalate	mg/L			0.002 U				0.002 U		
		ug/L				2.5 U				2.5 U	
	Di-n-octyl phthalate	mg/L			0.0014 U				0.0014 U		
		ug/L				1 U				1 U	
SVOA	1,2,4-Trichlorobenzene	mg/L			0.0014 U				0.0014 U		
		ug/L				2.5 U				2.5 U	
	1,2-Diphenylhydrazine	mg/L			0.0013 U				0.0012 U		
		ug/L				2.5 U				2.5 U	
	2,2'-oxybis(1-chloropropane)	mg/L			0.0013 U				0.0012 U		
		mg/L			0.0017 U				0.0017 U		
	2,3-Dichloroaniline	ug/L				2.5 U				2.5 U	
	2,4,6-Trichlorophenol	mg/L			0.0017 U				0.0016 U		
		ug/L				2.5 U				2.5 U	
	2,4-Dichlorophenol	mg/L			0.0031 U				0.003 U		
		ug/L				2.5 U				2.5 U	
	2,4-Dimethylphenol	mg/L			0.033 U				0.032 U		
		ug/L				10 U				10 U	
	2,4-Dinitrophenol	mg/L			0.0023 U				0.0022 U		
		ug/L				2.5 U				2.5 U	
	2,4-Dinitrotoluene	mg/L			0.0024 U				0.0023 U		
		ug/L				2.5 U				2.5 U	
	2,6-Dinitrotoluene	mg/L			0.0011 U				0.0011 U		
		ug/L				2.5 U				2.5 U	
	2-Chloronaphthalene	mg/L			0.0015 U				0.0014 U		
		ug/L				2.5 U				2.5 U	
	2-Chlorophenol	mg/L			0.0027 U				0.0026 U		
		ug/L				10 U				10 U	
	2-Methyl-4,6-dinitrophenol	mg/L			0.0012 U				0.0012 U		
		mg/L			0.0022 U				0.0021 U		
	2-Methylphenol (o-Cresol)	ug/L				2.5 U				2.5 U	
	2-Nitrophenol	mg/L			0.001 U				0.0009 U		
		mg/L			0.0014 U				0.0013 U		
3 & 4-Methylphenol(p-cresol)	ug/L				20 U				20 U		
3,3'-Dichlorobenzidine	mg/L			0.0014 U				0.0013 U			
	ug/L				2.5 U				2.5 U		

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					November			December			
					11/15/2019	11/22/2019		12/12/2019	12/19/2019	12/24/2019	
					3045	2837	November	2890	3046	2838	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	SMR	Average	SMR	Sample	SMR	Average
SVOA	4-Bromophenyl phenyl ether	mg/L			0.0017 U				0.0016 U		
		ug/L				2.5 U				2.5 U	
	4-Chloro-3-Methylphenol	mg/L			0.0014 U				0.0013 U		
		ug/L				2.5 U				2.5 U	
	4-Chlorophenyl phenyl ether	mg/L			0.0083 U				0.008 U		
		ug/L				2.5 U				2.5 U	
	4-Nitrophenol	mg/L			0.0038 U				0.0036 U		
		mg/L			0.0011 U				0.0011 U		
	Acetophenone	mg/L			0.021 U				0.02 U		
	Aniline	ug/L				20 U				20 U	
	Benzidine	mg/L			0.0012 U				0.0012 U		
		ug/L				2.5 U				2.5 U	
	Bis(2-chloroethoxy) methane	mg/L			0.0012 U				0.0012 U		
		ug/L				2.5 U				2.5 U	
	Bis(2-chloroethyl) ether	mg/L			0.0009 U				0.0009 U		
		mg/L			0.0013 U				0.0012 U		
	Carbazole	ug/L				2.5 U				2.5 U	
	Hexachlorobenzene	mg/L			0.0015 U				0.0014 U		
		ug/L				2.5 U				2.5 U	
	Hexachlorobutadiene	mg/L			0.002 U				0.0019 U		
		ug/L				2.5 U				2.5 U	
	Hexachlorocyclopentadiene	mg/L			0.0015 U				0.0014 U		
		ug/L				2.5 U				2.5 U	
	Hexachloroethane	mg/L			0.0014 U				0.0013 U		
		ug/L				2.5 U				2.5 U	
	Isophorone	mg/L			0.0033 U				0.0032 U		
		mg/L			0.0015 U				0.0014 U		
	n-Decane	ug/L				2.5 U				2.5 U	
	Nitrobenzene	mg/L			0.006 U				0.0057 U		
		ug/L				2.5 U				2.5 U	
N-Nitrosodimethylamine	mg/L			0.0011 U				0.0011 U			
	ug/L				2.5 U				2.5 U		
N-Nitroso-di-n-propylamine	mg/L			0.0011 U				0.0011 U			
	ug/L				2.5 U				2.5 U		
N-Nitrosodiphenylamine	mg/L			0.0023 U				0.0022 U			
	mg/L			0.011 U				0.011 U			
n-Octadecane	mg/L	50					5 U	2.2 U			
Pyridine	mg/L							0.0056 U			

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					November			December			
					11/15/2019	11/22/2019		12/12/2019	12/19/2019	12/24/2019	
					3045	2837	November	2890	3046	2838	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	SMR	Average	SMR	Sample	SMR	Average
TPH	SGT-HEM	ug/L				1 U				1 U	
Volatiles	1,1,1-Trichloroethane	mg/L							0.004 U		
		ug/L					1 U			1 U	
	1,1,2,2-Tetrachloroethane	mg/L							0.003 U		
		ug/L						1 U			1 U
	1,1,2-Trichloroethane	mg/L							0.0036 U		
		ug/L						1 U			1 U
	1,1-Dichloroethane	mg/L							0.005 U		
		ug/L						1 U			1 U
	1,1-Dichloroethene	mg/L							0.0032 U		
		ug/L						2.5 U			2.5 U
	1,2-Dichlorobenzene	mg/L							0.003 U		
		ug/L						1 U			1 U
	1,2-Dichloroethane	mg/L							0.0026 U		
		ug/L						1 U			1 U
	1,2-Dichloropropane	mg/L							0.0036 U		
		ug/L						2.5 U			2.5 U
	1,3-Dichlorobenzene	mg/L							0.0038 U		
		ug/L						2.5 U			1 U
	1,4-Dichlorobenzene	mg/L							0.0022 U		
		ug/L						10 U			10 U
	2-Chloroethyl vinyl ether	mg/L							0.03 U		
		ug/L						10 U			10 U
	Acrolein	mg/L							0.028 U		
ug/L							10 U			10 U	
Acrylonitrile	ug/L										
	mg/L							0.0034 U			
Bromochloromethane	ug/L					1.04			1.23		
Bromodichloromethane	mg/L							0.003 U			
	ug/L						1 U			1 U	
Bromoform	mg/L							0.0076 U			
	ug/L						1 U			1 U	
Bromomethane	mg/L							0.0034 U			
	ug/L						1 U			1 U	
Carbon Tetrachloride	mg/L							0.0018 U			
	ug/L						1 U			1 U	

Table C-23 Powder Coating Systems
2019 Compliance Comparison

					November			December			
					11/15/2019	11/22/2019		12/12/2019	12/19/2019	12/24/2019	
					3045	2837	November	2890	3046	2838	December
Category	Parameter	Unit	Daily Limit	Monthly Limit	Sample	SMR	Average	SMR	Sample	SMR	Average
Volatiles	Chlorobenzene	mg/L							0.0024 U		
		ug/L					1 U			1 U	
	Chloroethane	mg/L								0.0026 U	
		ug/L						8.66			10.3
	Chloroform	mg/L								0.0048 U	
		ug/L						1 U			1 U
	Chloromethane	mg/L								0.0018 U	
		ug/L						1 U			1 U
	cis-1,3-Dichloropropene	mg/L								0.0024 U	
		ug/L						1 U			1 U
	Dibromochloromethane	mg/L								0.0084 U	
		ug									
	Methylene Chloride	ug/L						5 U			5 U
		mg/L								0.0026 U	
		mg/L								0.0036 U	
	Styrene	ug/L						1 U			1 U
	Tetrachloroethene	mg/L								0.01 U	
		ug/L						1 U			1 U
	Total 1,2-Dichloroethene	mg/L								0.0024 U	
	trans-1,2-Dichloroethene	ug/L						1 U			1 U
trans-1,3-Dichloropropene	mg/L								0.003 U		
	ug/L						1 U			1 U	
Trichloroethene	mg/L								0.003 U		
	mg/L								0.003 U		
Trichlorofluoromethane	ug/L						1 U			1 U	
Vinyl Chloride											

Bold - The analyte was present in the sample.
 U - Analyte not detected at or above the associated value.
 UJ - Analyte not detected at or above the associated estimated value.
 J - The result is an estimated concentration.

C-24 Puget Sound Energy - Tar Pits
2019 Compliance Comparison

				March			May			August			December		
				3/8/2019	3/19/2019	3/20/2019		5/22/2019		8/19/2019	8/29/2019		12/20/2019		
				2907	3051	3051	March	2908	May	3052	2909	August	2910	December	
Category	Parameter	Unit	Daily Limit	SMR	Sample	Sample	Q1 Average	SMR	Q2 Average	Sample	SMR	Q3 Average	SMR	Q4 Average	
Flow, pH, and Temperature	Flow	GPD	20000				13111		15228			10490		11460	
	pH	pH Units	5.5 - 11	8.0	7.85			8.1 J		8.50	8.2 J		7.8 J		
	Temperature	°F	100		51.8					52.7					
BTEX	Benzene	mg/L	0.5		0.34					0.0022 U					
		ug/L	0.5	4.6				1.2 J			1.4 J		1.8 J		
	BTEX	mg/L	10	0.39743				0.0012			0.0014		0.0018		
	Ethylbenzene	mg/L			0.083						0.0032 U				
		ug/L		1.2				3.0 U			3 U		3.0 U		
	m,p-Xylene	mg/L				0.0042 U					0.0084 U				
		ug/L		1.14				3.0 U			3 U		3.0 U		
	o-Xylene	mg/L				0.013					0.0026 U				
		ug/L		0.49				2.0 U			2 U		2.0 U		
Toluene	mg/L			0.39 U	0.0027 U					0.0054 U					
	ug/L							2.0 U			2 U		2.0 U		
Conventionals	Cyanide, Total	mg/L	0.64			0.015				0.005 U					
HPAHs	Benzo(a)anthracene	mg/L				0.0011 U									
	Benzo(a)pyrene	mg/L				0.0015 U									
	Benzo(b,k)fluoranthene	mg/L				0.0023 U									
	Benzo(g,h,i)perylene	mg/L				0.0014 U									
	Chrysene	mg/L				0.0011 U									
	Dibenz(a,h)anthracene	mg/L				0.0017 U									
	Fluoranthene	mg/L				0.0008 U									
	Indeno(1,2,3-cd)pyrene	mg/L				0.0015 U									
	Pyrene	mg/L				0.0013 U									
LPAHs	Acenaphthene	mg/L				0.049									
	Acenaphthylene	mg/L				0.0012 U									
	Anthracene	mg/L				0.0011 U									
	Fluorene	mg/L				0.0013 U									
	Naphthalene	mg/L				0.047									
	Phenanthrene	mg/L				0.0011 U									
Metals	Arsenic	mg/L	0.1			0.0001 U				0.0001 U					
	Cadmium	mg/L	0.25			0.00012 U				0.00012 U					
	Chromium	mg/L	1			0.00266				0.0023 U					
	Copper	mg/L	1			0.00450				0.00135					
	Lead	mg/L	0.4			0.0001 U				0.00121					
	Mercury	mg/L	0.05			2E-05 U				2E-05 U					
	Molybdenum	mg/L	1			0.0004 U				0.0004 U					

C-24 Puget Sound Energy - Tar Pits
2019 Compliance Comparison

				March			May			August			December	
				3/8/2019	3/19/2019	3/20/2019		5/22/2019		8/19/2019	8/29/2019		12/20/2019	
				2907	3051	3051	March	2908	May	3052	2909	August	2910	December
Category	Parameter	Unit	Daily Limit	SMR	Sample	Sample	Q1 Average	SMR	Q2 Average	Sample	SMR	Q3 Average	SMR	Q4 Average
Metals	Nickel	mg/L	1			0.00031 U				0.00031 U				
	Selenium	mg/L	0.1			0.00013 U				0.00013 U				
	Silver	mg/L	0.2			0.00016 U				0.00016 U				
	Zinc	mg/L	2			0.00643				0.00145 U				
Phenols	Pentachlorophenol	mg/L				0.0076 U								
	Phenol	mg/L				0.002 U								
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L				0.0012 U								
	Butyl benzyl phthalate	mg/L				0.0016 U								
	Diethyl phthalate	mg/L				0.0023 U								
	Dimethyl phthalate	mg/L				0.0011 U								
	Di-n-butyl phthalate	mg/L				0.0023 U								
	Di-n-octyl phthalate	mg/L				0.002 U								
SVOA	1,2,4-Trichlorobenzene	mg/L				0.0014 U								
	1,2-Diphenylhydrazine	mg/L				0.0014 U								
	2,2'-oxybis(1-chloropropane)	mg/L				0.0013 U								
	2,3-Dichloroaniline	mg/L				0.0013 U								
	2,4,6-Trichlorophenol	mg/L				0.0017 U								
	2,4-Dichlorophenol	mg/L				0.0017 U								
	2,4-Dimethylphenol	mg/L				0.0031 U								
	2,4-Dinitrophenol	mg/L				0.033 U								
	2,4-Dinitrotoluene	mg/L				0.0023 U								
	2,6-Dinitrotoluene	mg/L				0.0024 U								
	2-Chloronaphthalene	mg/L				0.0011 U								
	2-Chlorophenol	mg/L				0.0015 U								
	2-Methyl-4,6-dinitrophenol	mg/L				0.0027 U								
	2-Methylphenol (o-Cresol)	mg/L				0.0012 U								
	2-Nitrophenol	mg/L				0.0022 U								
	3 & 4-Methylphenol(p-cresol)	mg/L				0.001 U								
3,3'-Dichlorobenzidine	mg/L				0.0014 U									
4-Bromophenyl phenyl ether	mg/L				0.0014 U									

C-24 Puget Sound Energy - Tar Pits
2019 Compliance Comparison

				March			May			August			December	
				3/8/2019	3/19/2019	3/20/2019		5/22/2019		8/19/2019	8/29/2019		12/20/2019	
				2907	3051	3051	March	2908	May	3052	2909	August	2910	December
Category	Parameter	Unit	Daily Limit	SMR	Sample	Sample	Q1 Average	SMR	Q2 Average	Sample	SMR	Q3 Average	SMR	Q4 Average
SVOA	4-Chloro-3-Methylphenol	mg/L				0.0017 U								
	4-Chlorophenyl phenyl ether	mg/L				0.0014 U								
	4-Nitrophenol	mg/L				0.0083 U								
	Aniline	mg/L				0.0011 U								
	Benzidine	mg/L				0.021 U								
	Bis(2-chloroethoxy) methane	mg/L				0.0012 U								
	Bis(2-chloroethyl) ether	mg/L				0.0012 U								
	Carbazole	mg/L				0.010								
	Hexachlorobenzene	mg/L				0.0013 U								
	Hexachlorobutadiene	mg/L				0.0015 U								
	Hexachlorocyclopentadiene	mg/L				0.002 U								
	Hexachloroethane	mg/L				0.0015 U								
	Isophorone	mg/L				0.0014 U								
	n-Decane	mg/L				0.0033 U								
	Nitrobenzene	mg/L				0.0015 U								
	N-Nitrosodimethylamine	mg/L				0.006 U								
	N-Nitroso-di-n-propylamine	mg/L				0.0011 U								
N-Nitrosodiphenylamine	mg/L				0.0011 U									
n-Octadecane	mg/L				0.0023 U									
Pyridine	mg/L				0.011 U									
TPH	HEM	mg/L						5.6 U			5.6 U		5.2 U	
	SGT-HEM	mg/L	50		5.5 U	1.7 U		5.6 U		2 U	5.6 U		5.2 U	

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
JJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-25 Rainier Ballistics
2019 Compliance Comparison

NO DISCHARGE IN 2019

C-27 Seatac Inflite Services
2019 Compliance Comparison

				January					February					March	
				1/3/2019	1/8/2019	1/15/2019	1/22/2019	1/29/2019		2/6/2019	2/13/2019	2/20/2019	2/26/2019		3/5/2019
				2937	2937	2937	2937	2937	January	2937	2937	2937	2937	February	2937
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR
		GPD	85000						28761					29839	
	pH	pH Units	5.5 - 11.8	10.03	10.06	9.67	9.62	10.03		9.98	8.89	8.97	10.03		8.88
	Temperature	°C	120	27.1	29.1	29.1	28.8	29.1		26.6	26.9	24.8	28.4		27.9
		°F	120												
BTEX	Benzene	mg/L													
	Ethylbenzene	mg/L													
	m,p-Xylene	mg/L													
	o-Xylene	mg/L													
	Toluene	mg/L													
Conventionals	BOD	mg/L													
	COD	mg/L													
	Cyanide, Total	mg/L	.64												
	Total Suspended Solids	mg/L													
HPAHs	Benzo(a)anthracene	mg/L													
	Benzo(a)pyrene	mg/L													
	Benzo(b,k)fluoranthene	mg/L													
	Benzo(g,h,i)perylene	mg/L													
	Chrysene	mg/L													
	Dibenz(a,h)anthracene	mg/L													
	Fluoranthene	mg/L													
	Indeno(1,2,3-cd)pyrene	mg/L													
LPAHs	Pyrene	mg/L													
	Acenaphthene	mg/L													
	Acenaphthylene	mg/L													
	Anthracene	mg/L													
	Fluorene	mg/L													
	Naphthalene	mg/L													
Metals	Phenanthrene	mg/L													
	Arsenic	mg/L	0.1												
	Cadmium	mg/L	0.25												
	Chromium	mg/L	1.0												
	Copper	mg/L	1.0												
	Lead	mg/L	0.4												
	Mercury	mg/L	0.05												

C-27 Seatac Inflite Services
2019 Compliance Comparison

				January					February					March	
				1/3/2019	1/8/2019	1/15/2019	1/22/2019	1/29/2019		2/6/2019	2/13/2019	2/20/2019	2/26/2019		3/5/2019
				2937	2937	2937	2937	2937	January	2937	2937	2937	2937	February	2937
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR
Metals	Molybdenum	mg/L	1.0												
	Nickel	mg/L	1.0												
	Selenium	mg/L	0.1												
	Silver	mg/L	0.2												
	Zinc	mg/L	2.0												
Phenols	Pentachlorophenol	mg/L													
	Phenol	mg/L													
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L													
	Butyl benzyl phthalate	mg/L													
	Diethyl phthalate	mg/L													
	Dimethyl phthalate	mg/L													
	Di-n-butyl phthalate	mg/L													
	Di-n-octyl phthalate	mg/L													
SVOA	1,2,4-Trichlorobenzene	mg/L													
	1,2-Diphenylhydrazine	mg/L													
	2,2'-oxybis(1-chloropropane)	mg/L													
	2,3-Dichloroaniline	mg/L													
	2,4,6-Trichlorophenol	mg/L													
	2,4-Dichlorophenol	mg/L													
	2,4-Dimethylphenol	mg/L													
	2,4-Dinitrophenol	mg/L													
	2,4-Dinitrotoluene	mg/L													
	2,6-Dinitrotoluene	mg/L													
	2-Chloronaphthalene	mg/L													
	2-Chlorophenol	mg/L													
	2-Methyl-4,6-dinitrophenol	mg/L													
	2-Methylphenol (o-Cresol)	mg/L													
	2-Nitrophenol	mg/L													
	3 & 4-Methylphenol(p-cresol)	mg/L													
	3,3'-Dichlorobenzidine	mg/L													
	4-Bromophenyl phenyl ether	mg/L													
4-Chloro-3-Methylphenol	mg/L														
4-Chlorophenyl phenyl ether	mg/L														
4-Nitrophenol	mg/L														

C-27 Seatac Inflite Services
2019 Compliance Comparison

				January						February					March
				1/3/2019	1/8/2019	1/15/2019	1/22/2019	1/29/2019		2/6/2019	2/13/2019	2/20/2019	2/26/2019		3/5/2019
				2937	2937	2937	2937	2937	January	2937	2937	2937	2937	February	2937
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR
SVOA	Acetophenone	mg/L													
	Aniline	mg/L													
	Benzidine	mg/L													
	Bis(2-chloroethoxy) methane	mg/L													
	Bis(2-chloroethyl) ether	mg/L													
	Carbazole	mg/L													
	Hexachlorobenzene	mg/L													
	Hexachlorobutadiene	mg/L													
	Hexachlorocyclopentadiene	mg/L													
	Hexachloroethane	mg/L													
	Isophorone	mg/L													
	n-Decane	mg/L													
	Nitrobenzene	mg/L													
	N-Nitrosodimethylamine	mg/L													
	N-Nitroso-di-n-propylamine	mg/L													
N-Nitrosodiphenylamine	mg/L														
n-Octadecane	mg/L														
Pyridine	mg/L														
TPH	SGT-HEM	mg/L	100												
Volatiles	1,1,1-Trichloroethane	mg/L													
	1,1,2,2-Tetrachloroethane	mg/L													
	1,1,2-Trichloroethane	mg/L													
	1,1-Dichloroethane	mg/L													
	1,1-Dichloroethene	mg/L													
	1,2-Dichlorobenzene	mg/L													
	1,2-Dichloroethane	mg/L													
	1,2-Dichloropropane	mg/L													
	1,3-Dichlorobenzene	mg/L													
	1,4-Dichlorobenzene	mg/L													
	2-Chloroethyl vinyl ether	mg/L													
	Acrolein	mg/L													
	Acrylonitrile	mg/L													
	Bromodichloromethane	mg/L													
	Bromoform	mg/L													
Bromomethane	mg/L														

C-27 Seatac Inflite Services
2019 Compliance Comparison

				January					February					March		
				1/3/2019	1/8/2019	1/15/2019	1/22/2019	1/29/2019		2/6/2019	2/13/2019	2/20/2019	2/26/2019		3/5/2019	
				2937	2937	2937	2937	2937	January	2937	2937	2937	2937	February	2937	
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR	
Volatiles	Carbon Tetrachloride	mg/L														
	Chlorobenzene	mg/L														
	Chloroethane	mg/L														
	Chloroform	mg/L														
	Chloromethane	mg/L														
	cis-1,3-Dichloropropene	mg/L														
	Dibromochloromethane	mg/L														
	Methylene Chloride	mg/L														
	Styrene	mg/L														
	Tetrachloroethene	mg/L														
	trans-1,2-Dichloroethene	mg/L														
	trans-1,3-Dichloropropene	mg/L														
	Trichloroethene	mg/L														
	Trichlorofluoromethane	mg/L														
Vinyl Chloride	mg/L															

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

C-27 Seatac Inflite Services
2019 Compliance Comparison

				March				April						May	
				3/12/2019	3/20/2019	3/30/2019		4/2/2019	4/10/2019	4/16/2019	4/17/2019	4/24/2019	4/30/2019		5/2/2019
				2937	2937	2937	March	2938	2938	3053	2938	2938	2938	April	2938
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Average	SMR	SMR	Sample	SMR	SMR	SMR	Average	SMR
		GPD	85000				30161							33660	
	pH	pH Units	5.5 - 11.8	10.01	10.03	8.98		8.98	8.58	10.7	8.69	8.89			8.94
	Temperature	°C	120	29.9	29.4	27.1		29.9	26.9		25.8	26.1			26.3
		°F	120							64.4					
BTEX	Benzene	mg/L								0.0022 U					
	Ethylbenzene	mg/L								0.0032 U					
	m,p-Xylene	mg/L								0.0084 U					
	o-Xylene	mg/L								0.0026 U					
	Toluene	mg/L								0.0054 U					
Conventionals	BOD	mg/L								34.8					
	COD	mg/L								264					
	Cyanide, Total	mg/L	.64							0.005 U					
	Total Suspended Solids	mg/L								10 U					
HPAHs	Benzo(a)anthracene	mg/L								0.0011 U					
	Benzo(a)pyrene	mg/L								0.0015 U					
	Benzo(b,k)fluoranthene	mg/L								0.0023 U					
	Benzo(g,h,i)perylene	mg/L								0.0014 U					
	Chrysene	mg/L								0.0011 U					
	Dibenz(a,h)anthracene	mg/L								0.0017 U					
	Fluoranthene	mg/L								0.0008 U					
	Indeno(1,2,3-cd)pyrene	mg/L								0.0015 U					
LPAHs	Pyrene	mg/L								0.0013 U					
	Acenaphthene	mg/L								0.0012 U					
	Acenaphthylene	mg/L								0.0012 U					
	Anthracene	mg/L								0.0011 U					
	Fluorene	mg/L								0.0013 U					
	Naphthalene	mg/L								0.0012 U					
Metals	Phenanthrene	mg/L								0.0011 U					
	Arsenic	mg/L	0.1							0.0001 U					
	Cadmium	mg/L	0.25							0.00012 U					
	Chromium	mg/L	1.0							0.00330					
	Copper	mg/L	1.0							0.0656					
	Lead	mg/L	0.4							0.0001 U					
	Mercury	mg/L	0.05												

C-27 Seatac Inflite Services
2019 Compliance Comparison

				March				April						May	
				3/12/2019	3/20/2019	3/30/2019		4/2/2019	4/10/2019	4/16/2019	4/17/2019	4/24/2019	4/30/2019		5/2/2019
				2937	2937	2937	March	2938	2938	3053	2938	2938	2938	April	2938
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Average	SMR	SMR	Sample	SMR	SMR	SMR	Average	SMR
Metals	Molybdenum	mg/L	1.0							0.0004 U					
	Nickel	mg/L	1.0							0.00113					
	Selenium	mg/L	0.1							0.00013 U					
	Silver	mg/L	0.2							0.00016 U					
	Zinc	mg/L	2.0							0.0216					
Phenols	Pentachlorophenol	mg/L								0.0076 U					
	Phenol	mg/L								0.002 U					
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L								0.0096					
	Butyl benzyl phthalate	mg/L								0.0016 U					
	Diethyl phthalate	mg/L								0.0023 U					
	Dimethyl phthalate	mg/L								0.0011 U					
	Di-n-butyl phthalate	mg/L								0.0023 U					
	Di-n-octyl phthalate	mg/L								0.002 U					
SVOA	1,2,4-Trichlorobenzene	mg/L								0.0014 U					
	1,2-Diphenylhydrazine	mg/L								0.0014 U					
	2,2'-oxybis(1-chloropropane)	mg/L								0.0013 U					
	2,3-Dichloroaniline	mg/L								0.0013 U					
	2,4,6-Trichlorophenol	mg/L								0.0017 U					
	2,4-Dichlorophenol	mg/L								0.0017 U					
	2,4-Dimethylphenol	mg/L								0.0031 U					
	2,4-Dinitrophenol	mg/L								0.033 U					
	2,4-Dinitrotoluene	mg/L								0.0023 U					
	2,6-Dinitrotoluene	mg/L								0.0024 U					
	2-Chloronaphthalene	mg/L								0.0011 U					
	2-Chlorophenol	mg/L								0.0015 U					
	2-Methyl-4,6-dinitrophenol	mg/L								0.0027 U					
	2-Methylphenol (o-Cresol)	mg/L								0.0012 U					
	2-Nitrophenol	mg/L								0.0022 U					
	3 & 4-Methylphenol(p-cresol)	mg/L								0.001 U					
	3,3'-Dichlorobenzidine	mg/L								0.0014 U					
4-Bromophenyl phenyl ether	mg/L								0.0014 U						
4-Chloro-3-Methylphenol	mg/L								0.0017 U						
4-Chlorophenyl phenyl ether	mg/L								0.0014 U						
4-Nitrophenol	mg/L								0.0083 U						

C-27 Seatac Inflite Services
2019 Compliance Comparison

				March				April						May	
				3/12/2019	3/20/2019	3/30/2019		4/2/2019	4/10/2019	4/16/2019	4/17/2019	4/24/2019	4/30/2019		5/2/2019
				2937	2937	2937	March	2938	2938	3053	2938	2938	2938	April	2938
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Average	SMR	SMR	Sample	SMR	SMR	SMR	Average	SMR
SVOA	Acetophenone	mg/L								0.0038 U					
	Aniline	mg/L								0.0011 U					
	Benzidine	mg/L								0.021 U					
	Bis(2-chloroethoxy) methane	mg/L								0.0012 U					
	Bis(2-chloroethyl) ether	mg/L								0.0012 U					
	Carbazole	mg/L								0.0009 U					
	Hexachlorobenzene	mg/L								0.0013 U					
	Hexachlorobutadiene	mg/L								0.0015 U					
	Hexachlorocyclopentadiene	mg/L								0.002 U					
	Hexachloroethane	mg/L								0.0015 U					
	Isophorone	mg/L								0.0014 U					
	n-Decane	mg/L									0.075				
	Nitrobenzene	mg/L								0.0015 U					
	N-Nitrosodimethylamine	mg/L								0.006 U					
	N-Nitroso-di-n-propylamine	mg/L								0.0011 U					
	N-Nitrosodiphenylamine	mg/L								0.0011 U					
n-Octadecane	mg/L								0.0023 U						
Pyridine	mg/L								0.011 U						
TPH	SGT-HEM	mg/L	100							1.7 U					
Volatiles	1,1,1-Trichloroethane	mg/L								0.0056 U					
	1,1,2,2-Tetrachloroethane	mg/L								0.004 U					
	1,1,2-Trichloroethane	mg/L								0.003 U					
	1,1-Dichloroethane	mg/L								0.0036 U					
	1,1-Dichloroethene	mg/L								0.005 U					
	1,2-Dichlorobenzene	mg/L								0.0032 U					
	1,2-Dichloroethane	mg/L								0.003 U					
	1,2-Dichloropropane	mg/L								0.0026 U					
	1,3-Dichlorobenzene	mg/L								0.0036 U					
	1,4-Dichlorobenzene	mg/L								0.0038 U					
	2-Chloroethyl vinyl ether	mg/L								0.0022 U					
	Acrolein	mg/L								0.03 U					
	Acrylonitrile	mg/L								0.028 U					
	Bromodichloromethane	mg/L								0.0034 U					
Bromoform	mg/L								0.003 U						
Bromomethane	mg/L								0.0076 U						

C-27 Seatac Inflight Services
2019 Compliance Comparison

				March				April						May	
				3/12/2019	3/20/2019	3/30/2019		4/2/2019	4/10/2019	4/16/2019	4/17/2019	4/24/2019	4/30/2019		5/2/2019
				2937	2937	2937	March	2938	2938	3053	2938	2938	2938	April	2938
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Average	SMR	SMR	Sample	SMR	SMR	SMR	Average	SMR
Volatiles	Carbon Tetrachloride	mg/L								0.0034 U					
	Chlorobenzene	mg/L								0.0018 U					
	Chloroethane	mg/L								0.0024 U					
	Chloroform	mg/L								0.096					
	Chloromethane	mg/L								0.0048 U					
	cis-1,3-Dichloropropene	mg/L								0.0018 U					
	Dibromochloromethane	mg/L								0.0024 U					
	Methylene Chloride	mg/L								0.0084 U					
	Styrene	mg/L								0.0026 U					
	Tetrachloroethene	mg/L								0.0036 U					
	trans-1,2-Dichloroethene	mg/L								0.0036 U					
	trans-1,3-Dichloropropene	mg/L								0.0024 U					
	Trichloroethene	mg/L								0.003 U					
	Trichlorofluoromethane	mg/L								0.003 U					
Vinyl Chloride	mg/L								0.003 U						

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-27 Seatac Inflight Services
2019 Compliance Comparison

				May						June					
				5/9/2019	5/17/2019	5/23/2019	5/27/2019	5/31/2019		6/5/2019	6/13/2019	6/17/2019	6/28/2019	6/30/2019	
				2938	2938	2938	2938	2938	May	2938	2938	2938	2938	2938	June
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average
		GPD	85000						32405						44356
	pH	pH Units	5.5 - 11.8	9.92	8.77	7.79	8.84			9.14	10.11	10.03	8.98		
	Temperature	°C	120	28.4	26.4	28.4	26.6			27.4	25.1	28.4	27.7		
		°F	120												
BTEX	Benzene	mg/L													
	Ethylbenzene	mg/L													
	m,p-Xylene	mg/L													
	o-Xylene	mg/L													
	Toluene	mg/L													
Conventional	BOD	mg/L													
	COD	mg/L													
	Cyanide, Total	mg/L	.64												
	Total Suspended Solids	mg/L													
HPAHs	Benzo(a)anthracene	mg/L													
	Benzo(a)pyrene	mg/L													
	Benzo(b,k)fluoranthene	mg/L													
	Benzo(g,h,i)perylene	mg/L													
	Chrysene	mg/L													
	Dibenz(a,h)anthracene	mg/L													
	Fluoranthene	mg/L													
	Indeno(1,2,3-cd)pyrene	mg/L													
Pyrene	mg/L														
LPAHs	Acenaphthene	mg/L													
	Acenaphthylene	mg/L													
	Anthracene	mg/L													
	Fluorene	mg/L													
	Naphthalene	mg/L													
	Phenanthrene	mg/L													
Metals	Arsenic	mg/L	0.1												
	Cadmium	mg/L	0.25												
	Chromium	mg/L	1.0												
	Copper	mg/L	1.0												
	Lead	mg/L	0.4												
	Mercury	mg/L	0.05												

C-27 Seatac Inflite Services
2019 Compliance Comparison

				May						June					
				5/9/2019	5/17/2019	5/23/2019	5/27/2019	5/31/2019		6/5/2019	6/13/2019	6/17/2019	6/28/2019	6/30/2019	
				2938	2938	2938	2938	2938	May	2938	2938	2938	2938	2938	June
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average
Metals	Molybdenum	mg/L	1.0												
	Nickel	mg/L	1.0												
	Selenium	mg/L	0.1												
	Silver	mg/L	0.2												
	Zinc	mg/L	2.0												
Phenols	Pentachlorophenol	mg/L													
	Phenol	mg/L													
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L													
	Butyl benzyl phthalate	mg/L													
	Diethyl phthalate	mg/L													
	Dimethyl phthalate	mg/L													
	Di-n-butyl phthalate	mg/L													
	Di-n-octyl phthalate	mg/L													
SVOA	1,2,4-Trichlorobenzene	mg/L													
	1,2-Diphenylhydrazine	mg/L													
	2,2'-oxybis(1-chloropropane)	mg/L													
	2,3-Dichloroaniline	mg/L													
	2,4,6-Trichlorophenol	mg/L													
	2,4-Dichlorophenol	mg/L													
	2,4-Dimethylphenol	mg/L													
	2,4-Dinitrophenol	mg/L													
	2,4-Dinitrotoluene	mg/L													
	2,6-Dinitrotoluene	mg/L													
	2-Chloronaphthalene	mg/L													
	2-Chlorophenol	mg/L													
	2-Methyl-4,6-dinitrophenol	mg/L													
	2-Methylphenol (o-Cresol)	mg/L													
	2-Nitrophenol	mg/L													
	3 & 4-Methylphenol(p-cresol)	mg/L													
	3,3'-Dichlorobenzidine	mg/L													
4-Bromophenyl phenyl ether	mg/L														
4-Chloro-3-Methylphenol	mg/L														
4-Chlorophenyl phenyl ether	mg/L														
4-Nitrophenol	mg/L														

C-27 Seatac Inflight Services
2019 Compliance Comparison

				May						June					
				5/9/2019	5/17/2019	5/23/2019	5/27/2019	5/31/2019		6/5/2019	6/13/2019	6/17/2019	6/28/2019	6/30/2019	
				2938	2938	2938	2938	2938	May	2938	2938	2938	2938	2938	June
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average
SVOA	Acetophenone	mg/L													
	Aniline	mg/L													
	Benzidine	mg/L													
	Bis(2-chloroethoxy) methane	mg/L													
	Bis(2-chloroethyl) ether	mg/L													
	Carbazole	mg/L													
	Hexachlorobenzene	mg/L													
	Hexachlorobutadiene	mg/L													
	Hexachlorocyclopentadiene	mg/L													
	Hexachloroethane	mg/L													
	Isophorone	mg/L													
	n-Decane	mg/L													
	Nitrobenzene	mg/L													
	N-Nitrosodimethylamine	mg/L													
	N-Nitroso-di-n-propylamine	mg/L													
N-Nitrosodiphenylamine	mg/L														
n-Octadecane	mg/L														
Pyridine	mg/L														
TPH	SGT-HEM	mg/L	100												
Volatiles	1,1,1-Trichloroethane	mg/L													
	1,1,2,2-Tetrachloroethane	mg/L													
	1,1,2-Trichloroethane	mg/L													
	1,1-Dichloroethane	mg/L													
	1,1-Dichloroethene	mg/L													
	1,2-Dichlorobenzene	mg/L													
	1,2-Dichloroethane	mg/L													
	1,2-Dichloropropane	mg/L													
	1,3-Dichlorobenzene	mg/L													
	1,4-Dichlorobenzene	mg/L													
	2-Chloroethyl vinyl ether	mg/L													
	Acrolein	mg/L													
	Acrylonitrile	mg/L													
	Bromodichloromethane	mg/L													
	Bromoform	mg/L													
Bromomethane	mg/L														

C-27 Seatac Inflite Services
2019 Compliance Comparison

				May						June					
				5/9/2019	5/17/2019	5/23/2019	5/27/2019	5/31/2019		6/5/2019	6/13/2019	6/17/2019	6/28/2019	6/30/2019	
				2938	2938	2938	2938	2938	May	2938	2938	2938	2938	2938	June
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	SMR	Average
Volatiles	Carbon Tetrachloride	mg/L													
	Chlorobenzene	mg/L													
	Chloroethane	mg/L													
	Chloroform	mg/L													
	Chloromethane	mg/L													
	cis-1,3-Dichloropropene	mg/L													
	Dibromochloromethane	mg/L													
	Methylene Chloride	mg/L													
	Styrene	mg/L													
	Tetrachloroethene	mg/L													
	trans-1,2-Dichloroethene	mg/L													
	trans-1,3-Dichloropropene	mg/L													
	Trichloroethene	mg/L													
	Trichlorofluoromethane	mg/L													
Vinyl Chloride	mg/L														

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

C-27 Seatac Inflite Services
2019 Compliance Comparison

				July						August					
				7/1/2019	7/2/2019	7/11/2019	7/17/2019	7/24/2019		8/1/2019	8/7/2019	8/15/2019	8/19/2019	8/20/2019	8/22/2019
				2939	2939	2939	2939	2939	July	2939	2939	2939	3054	3054	2939
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	Sample	Sample	SMR
		GPD	85000						35783						
	pH	pH Units	5.5 - 11.8		9.87	8.84	8.84	8.48		8.88	9.0	8.48	11.3		10.82
	Temperature	°C	120		23.6	23.7	26.3	23.6		27.4	25.0	27.1			25.0
		°F	120										96.1		
BTEX	Benzene	mg/L											0.0022 U		
	Ethylbenzene	mg/L											0.0032 U		
	m,p-Xylene	mg/L											0.0084 U		
	o-Xylene	mg/L											0.0026 U		
	Toluene	mg/L											0.0054 U		
Conventionals	BOD	mg/L												97.1	
	COD	mg/L												304	
	Cyanide, Total	mg/L	.64											0.044 J	
	Total Suspended Solids	mg/L												16.9	
HPAHs	Benzo(a)anthracene	mg/L												0.0012 U	
	Benzo(a)pyrene	mg/L												0.0015 U	
	Benzo(b,k)fluoranthene	mg/L												0.0023 U	
	Benzo(g,h,i)perylene	mg/L												0.0015 U	
	Chrysene	mg/L												0.0012 U	
	Dibenz(a,h)anthracene	mg/L												0.0017 U	
	Fluoranthene	mg/L												0.0008 U	
	Indeno(1,2,3-cd)pyrene	mg/L												0.0016 U	
LPAHs	Pyrene	mg/L												0.0013 U	
	Acenaphthene	mg/L												0.0013 U	
	Acenaphthylene	mg/L												0.0013 U	
	Anthracene	mg/L												0.0011 U	
	Fluorene	mg/L												0.0013 U	
	Naphthalene	mg/L												0.0013 U	
Metals	Phenanthrene	mg/L												0.0011 U	
	Arsenic	mg/L	0.1											0.0001 U	
	Cadmium	mg/L	0.25											0.00012 U	
	Chromium	mg/L	1.0											0.00298	
	Copper	mg/L	1.0											0.0652	
	Lead	mg/L	0.4											0.0001 U	
	Mercury	mg/L	0.05											2E-05 U	

C-27 Seatac Inflite Services
2019 Compliance Comparison

				July					August						
				7/1/2019	7/2/2019	7/11/2019	7/17/2019	7/24/2019		8/1/2019	8/7/2019	8/15/2019	8/19/2019	8/20/2019	8/22/2019
				2939	2939	2939	2939	2939	July	2939	2939	2939	3054	3054	2939
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	Sample	Sample	SMR
Metals	Molybdenum	mg/L	1.0												0.0004 U
	Nickel	mg/L	1.0												0.00031 U
	Selenium	mg/L	0.1												0.00013 U
	Silver	mg/L	0.2												0.00016 U
	Zinc	mg/L	2.0												0.0395
Phenols	Pentachlorophenol	mg/L													0.0078 U
	Phenol	mg/L													0.0021 U
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L													0.024
	Butyl benzyl phthalate	mg/L													0.0016 U
	Diethyl phthalate	mg/L													0.0024 U
	Dimethyl phthalate	mg/L													0.0011 U
	Di-n-butyl phthalate	mg/L													0.0023 U
	Di-n-octyl phthalate	mg/L													0.0021 U
SVOA	1,2,4-Trichlorobenzene	mg/L													0.0015 U
	1,2-Diphenylhydrazine	mg/L													0.0015 U
	2,2'-oxybis(1-chloropropane)	mg/L													0.0013 U
	2,3-Dichloroaniline	mg/L													0.0013 U
	2,4,6-Trichlorophenol	mg/L													0.0018 U
	2,4-Dichlorophenol	mg/L													0.0017 U
	2,4-Dimethylphenol	mg/L													0.0032 U
	2,4-Dinitrophenol	mg/L													0.034 U
	2,4-Dinitrotoluene	mg/L													0.0023 U
	2,6-Dinitrotoluene	mg/L													0.0025 U
	2-Chloronaphthalene	mg/L													0.0012 U
	2-Chlorophenol	mg/L													0.0016 U
	2-Methyl-4,6-dinitrophenol	mg/L													0.0028 U
	2-Methylphenol (o-Cresol)	mg/L													0.0013 U
	2-Nitrophenol	mg/L													0.0023 U
	3 & 4-Methylphenol(p-cresol)	mg/L													0.001 U
	3,3'-Dichlorobenzidine	mg/L													0.0014 U
	4-Bromophenyl phenyl ether	mg/L													0.0014 U
4-Chloro-3-Methylphenol	mg/L													0.0017 U	
4-Chlorophenyl phenyl ether	mg/L													0.0014 U	
4-Nitrophenol	mg/L													0.0086 U	

C-27 Seatac Inflight Services
2019 Compliance Comparison

				July						August					
				7/1/2019	7/2/2019	7/11/2019	7/17/2019	7/24/2019		8/1/2019	8/7/2019	8/15/2019	8/19/2019	8/20/2019	8/22/2019
				2939	2939	2939	2939	2939	July	2939	2939	2939	3054	3054	2939
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	Sample	Sample	SMR
SVOA	Acetophenone	mg/L												0.0039 U	
	Aniline	mg/L												0.0012 U	
	Benzidine	mg/L												0.021 U	
	Bis(2-chloroethoxy) methane	mg/L												0.0013 U	
	Bis(2-chloroethyl) ether	mg/L												0.0013 U	
	Carbazole	mg/L												0.0009 U	
	Hexachlorobenzene	mg/L												0.0013 U	
	Hexachlorobutadiene	mg/L												0.0016 U	
	Hexachlorocyclopentadiene	mg/L												0.002 U	
	Hexachloroethane	mg/L												0.0016 U	
	Isophorone	mg/L												0.0014 U	
	n-Decane	mg/L												0.0034 U	
	Nitrobenzene	mg/L												0.0016 U	
	N-Nitrosodimethylamine	mg/L												0.0062 U	
	N-Nitroso-di-n-propylamine	mg/L												0.0012 U	
N-Nitrosodiphenylamine	mg/L												0.0012 U		
n-Octadecane	mg/L												0.0024 U		
Pyridine	mg/L												0.012 U		
TPH	SGT-HEM	mg/L	100										2 U		
Volatiles	1,1,1-Trichloroethane	mg/L											0.0056 U		
	1,1,2,2-Tetrachloroethane	mg/L											0.028 J		
	1,1,2-Trichloroethane	mg/L											0.003 U		
	1,1-Dichloroethane	mg/L											0.0036 U		
	1,1-Dichloroethene	mg/L											0.005 U		
	1,2-Dichlorobenzene	mg/L											0.0032 U		
	1,2-Dichloroethane	mg/L											0.003 U		
	1,2-Dichloropropane	mg/L											0.0026 U		
	1,3-Dichlorobenzene	mg/L											0.0036 U		
	1,4-Dichlorobenzene	mg/L											0.0038 U		
	2-Chloroethyl vinyl ether	mg/L											0.0022 U		
	Acrolein	mg/L											ND J		
	Acrylonitrile	mg/L											0.028 U		
	Bromodichloromethane	mg/L											0.0034 U		
	Bromoform	mg/L											0.003 U		
Bromomethane	mg/L											0.0076 U			

C-27 Seatac Inflight Services
2019 Compliance Comparison

				July						August					
				7/1/2019	7/2/2019	7/11/2019	7/17/2019	7/24/2019		8/1/2019	8/7/2019	8/15/2019	8/19/2019	8/20/2019	8/22/2019
				2939	2939	2939	2939	2939	July	2939	2939	2939	3054	3054	2939
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR	SMR	Sample	Sample	SMR
Volatiles	Carbon Tetrachloride	mg/L											0.0034 U		
	Chlorobenzene	mg/L											0.0018 U		
	Chloroethane	mg/L											0.0024 U		
	Chloroform	mg/L											0.087		
	Chloromethane	mg/L											0.0048 U		
	cis-1,3-Dichloropropene	mg/L											0.0018 U		
	Dibromochloromethane	mg/L											0.0024 U		
	Methylene Chloride	mg/L											0.0084 U		
	Styrene	mg/L											0.0026 U		
	Tetrachloroethene	mg/L											0.0036 U		
	trans-1,2-Dichloroethene	mg/L											0.0036 U		
	trans-1,3-Dichloropropene	mg/L											0.0024 U		
	Trichloroethene	mg/L											0.003 U		
	Trichlorofluoromethane	mg/L											0.003 U		
Vinyl Chloride	mg/L											0.003 U			

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-27 Seatac Inflite Services
2019 Compliance Comparison

				August		September						October		
				8/27/2019		9/1/2019	9/5/2019	9/11/2019	9/19/2019	9/25/2019	9/30/2019		10/1/2019	10/10/2019
				2939	August	2939	2939	2939	2939	2939	2939	September	4053	4053
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR
		GPD	85000		31367							35879		
	pH	pH Units	5.5 - 11.8	9.67			10.21	9.69	10.66	10.67	10.66		9.45	9.67
	Temperature	°C	120	27.1			24	26.1	26.6	28.1	29.8		29	28.8
		°F	120											
BTEX	Benzene	mg/L												
	Ethylbenzene	mg/L												
	m,p-Xylene	mg/L												
	o-Xylene	mg/L												
	Toluene	mg/L												
Conventionals	BOD	mg/L												
	COD	mg/L												
	Cyanide, Total	mg/L	.64											
	Total Suspended Solids	mg/L												
HPAHs	Benzo(a)anthracene	mg/L												
	Benzo(a)pyrene	mg/L												
	Benzo(b,k)fluoranthene	mg/L												
	Benzo(g,h,i)perylene	mg/L												
	Chrysene	mg/L												
	Dibenz(a,h)anthracene	mg/L												
	Fluoranthene	mg/L												
	Indeno(1,2,3-cd)pyrene	mg/L												
LPAHs	Acenaphthene	mg/L												
	Acenaphthylene	mg/L												
	Anthracene	mg/L												
	Fluorene	mg/L												
	Naphthalene	mg/L												
	Phenanthrene	mg/L												
Metals	Arsenic	mg/L	0.1											
	Cadmium	mg/L	0.25											
	Chromium	mg/L	1.0											
	Copper	mg/L	1.0											
	Lead	mg/L	0.4											
	Mercury	mg/L	0.05											

C-27 Seatac Inflight Services
2019 Compliance Comparison

				August		September						October		
				8/27/2019		9/1/2019	9/5/2019	9/11/2019	9/19/2019	9/25/2019	9/30/2019		10/1/2019	10/10/2019
				2939	August	2939	2939	2939	2939	2939	2939	September	4053	4053
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR
Metals	Molybdenum	mg/L	1.0											
	Nickel	mg/L	1.0											
	Selenium	mg/L	0.1											
	Silver	mg/L	0.2											
	Zinc	mg/L	2.0											
Phenols	Pentachlorophenol	mg/L												
	Phenol	mg/L												
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L												
	Butyl benzyl phthalate	mg/L												
	Diethyl phthalate	mg/L												
	Dimethyl phthalate	mg/L												
	Di-n-butyl phthalate	mg/L												
SVOA	Di-n-octyl phthalate	mg/L												
	1,2,4-Trichlorobenzene	mg/L												
	1,2-Diphenylhydrazine	mg/L												
	2,2'-oxybis(1-chloropropane)	mg/L												
	2,3-Dichloroaniline	mg/L												
	2,4,6-Trichlorophenol	mg/L												
	2,4-Dichlorophenol	mg/L												
	2,4-Dimethylphenol	mg/L												
	2,4-Dinitrophenol	mg/L												
	2,4-Dinitrotoluene	mg/L												
	2,6-Dinitrotoluene	mg/L												
	2-Chloronaphthalene	mg/L												
	2-Chlorophenol	mg/L												
	2-Methyl-4,6-dinitrophenol	mg/L												
	2-Methylphenol (o-Cresol)	mg/L												
	2-Nitrophenol	mg/L												
	3 & 4-Methylphenol(p-cresol)	mg/L												
	3,3'-Dichlorobenzidine	mg/L												
	4-Bromophenyl phenyl ether	mg/L												
4-Chloro-3-Methylphenol	mg/L													
4-Chlorophenyl phenyl ether	mg/L													
4-Nitrophenol	mg/L													

C-27 Seatac Inflite Services
2019 Compliance Comparison

				August		September							October	
				8/27/2019		9/1/2019	9/5/2019	9/11/2019	9/19/2019	9/25/2019	9/30/2019		10/1/2019	10/10/2019
				2939	August	2939	2939	2939	2939	2939	2939	September	4053	4053
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR
SVOA	Acetophenone	mg/L												
	Aniline	mg/L												
	Benzidine	mg/L												
	Bis(2-chloroethoxy) methane	mg/L												
	Bis(2-chloroethyl) ether	mg/L												
	Carbazole	mg/L												
	Hexachlorobenzene	mg/L												
	Hexachlorobutadiene	mg/L												
	Hexachlorocyclopentadiene	mg/L												
	Hexachloroethane	mg/L												
	Isophorone	mg/L												
	n-Decane	mg/L												
	Nitrobenzene	mg/L												
	N-Nitrosodimethylamine	mg/L												
	N-Nitroso-di-n-propylamine	mg/L												
N-Nitrosodiphenylamine	mg/L													
n-Octadecane	mg/L													
Pyridine	mg/L													
TPH	SGT-HEM	mg/L	100											
Volatiles	1,1,1-Trichloroethane	mg/L												
	1,1,2,2-Tetrachloroethane	mg/L												
	1,1,2-Trichloroethane	mg/L												
	1,1-Dichloroethane	mg/L												
	1,1-Dichloroethene	mg/L												
	1,2-Dichlorobenzene	mg/L												
	1,2-Dichloroethane	mg/L												
	1,2-Dichloropropane	mg/L												
	1,3-Dichlorobenzene	mg/L												
	1,4-Dichlorobenzene	mg/L												
	2-Chloroethyl vinyl ether	mg/L												
	Acrolein	mg/L												
	Acrylonitrile	mg/L												
	Bromodichloromethane	mg/L												
Bromoform	mg/L													
Bromomethane	mg/L													

C-27 Seatac Inflite Services
2019 Compliance Comparison

				August		September							October	
				8/27/2019		9/1/2019	9/5/2019	9/11/2019	9/19/2019	9/25/2019	9/30/2019		10/1/2019	10/10/2019
				2939	August	2939	2939	2939	2939	2939	2939	September	4053	4053
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	SMR	SMR	SMR	SMR	SMR	Average	SMR	SMR
Volatiles	Carbon Tetrachloride	mg/L												
	Chlorobenzene	mg/L												
	Chloroethane	mg/L												
	Chloroform	mg/L												
	Chloromethane	mg/L												
	cis-1,3-Dichloropropene	mg/L												
	Dibromochloromethane	mg/L												
	Methylene Chloride	mg/L												
	Styrene	mg/L												
	Tetrachloroethene	mg/L												
	trans-1,2-Dichloroethene	mg/L												
	trans-1,3-Dichloropropene	mg/L												
	Trichloroethene	mg/L												
	Trichlorofluoromethane	mg/L												
Vinyl Chloride	mg/L													

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

C-27 Seatac Inflite Services
2019 Compliance Comparison

				October				November				December	
				10/15/2019	10/24/2019	10/30/2019		11/6/2019	11/13/2019	11/22/2019	11/27/2019		12/5/2019
				4053	4053	4053	October	4053	4053	4053	4053	November	4053
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR
		GPD	85000				33708					29645	
	pH	pH Units	5.5 - 11.8	10.01	10.11	8.78		8.89	8.89	9.36	9.23		9.23
	Temperature	°C	120	29.9	28	27.6		27.4	25.6	26	27.3		26.6
		°F	120										
BTEX	Benzene	mg/L											
	Ethylbenzene	mg/L											
	m,p-Xylene	mg/L											
	o-Xylene	mg/L											
	Toluene	mg/L											
Conventionals	BOD	mg/L											
	COD	mg/L											
	Cyanide, Total	mg/L	.64										
	Total Suspended Solids	mg/L											
HPAHs	Benzo(a)anthracene	mg/L											
	Benzo(a)pyrene	mg/L											
	Benzo(b,k)fluoranthene	mg/L											
	Benzo(g,h,i)perylene	mg/L											
	Chrysene	mg/L											
	Dibenz(a,h)anthracene	mg/L											
	Fluoranthene	mg/L											
	Indeno(1,2,3-cd)pyrene	mg/L											
LPAHs	Pyrene	mg/L											
	Acenaphthene	mg/L											
	Acenaphthylene	mg/L											
	Anthracene	mg/L											
	Fluorene	mg/L											
	Naphthalene	mg/L											
Metals	Phenanthrene	mg/L											
	Arsenic	mg/L	0.1										
	Cadmium	mg/L	0.25										
	Chromium	mg/L	1.0										
	Copper	mg/L	1.0										
	Lead	mg/L	0.4										
	Mercury	mg/L	0.05										

C-27 Seatac Inflight Services
2019 Compliance Comparison

				October				November				December	
				10/15/2019	10/24/2019	10/30/2019		11/6/2019	11/13/2019	11/22/2019	11/27/2019		12/5/2019
				4053	4053	4053	October	4053	4053	4053	4053	November	4053
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR
Metals	Molybdenum	mg/L	1.0										
	Nickel	mg/L	1.0										
	Selenium	mg/L	0.1										
	Silver	mg/L	0.2										
	Zinc	mg/L	2.0										
Phenols	Pentachlorophenol	mg/L											
	Phenol	mg/L											
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L											
	Butyl benzyl phthalate	mg/L											
	Diethyl phthalate	mg/L											
	Dimethyl phthalate	mg/L											
	Di-n-butyl phthalate	mg/L											
	Di-n-octyl phthalate	mg/L											
SVOA	1,2,4-Trichlorobenzene	mg/L											
	1,2-Diphenylhydrazine	mg/L											
	2,2'-oxybis(1-chloropropane)	mg/L											
	2,3-Dichloroaniline	mg/L											
	2,4,6-Trichlorophenol	mg/L											
	2,4-Dichlorophenol	mg/L											
	2,4-Dimethylphenol	mg/L											
	2,4-Dinitrophenol	mg/L											
	2,4-Dinitrotoluene	mg/L											
	2,6-Dinitrotoluene	mg/L											
	2-Chloronaphthalene	mg/L											
	2-Chlorophenol	mg/L											
	2-Methyl-4,6-dinitrophenol	mg/L											
	2-Methylphenol (o-Cresol)	mg/L											
	2-Nitrophenol	mg/L											
	3 & 4-Methylphenol(p-cresol)	mg/L											
	3,3'-Dichlorobenzidine	mg/L											
	4-Bromophenyl phenyl ether	mg/L											
	4-Chloro-3-Methylphenol	mg/L											
4-Chlorophenyl phenyl ether	mg/L												
4-Nitrophenol	mg/L												

C-27 Seatac Inflight Services
2019 Compliance Comparison

				October				November				December	
				10/15/2019	10/24/2019	10/30/2019		11/6/2019	11/13/2019	11/22/2019	11/27/2019		12/5/2019
				4053	4053	4053	October	4053	4053	4053	4053	November	4053
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR
SVOA	Acetophenone	mg/L											
	Aniline	mg/L											
	Benzidine	mg/L											
	Bis(2-chloroethoxy) methane	mg/L											
	Bis(2-chloroethyl) ether	mg/L											
	Carbazole	mg/L											
	Hexachlorobenzene	mg/L											
	Hexachlorobutadiene	mg/L											
	Hexachlorocyclopentadiene	mg/L											
	Hexachloroethane	mg/L											
	Isophorone	mg/L											
	n-Decane	mg/L											
	Nitrobenzene	mg/L											
	N-Nitrosodimethylamine	mg/L											
	N-Nitroso-di-n-propylamine	mg/L											
N-Nitrosodiphenylamine	mg/L												
n-Octadecane	mg/L												
Pyridine	mg/L												
TPH	SGT-HEM	mg/L	100										
Volatiles	1,1,1-Trichloroethane	mg/L											
	1,1,2,2-Tetrachloroethane	mg/L											
	1,1,2-Trichloroethane	mg/L											
	1,1-Dichloroethane	mg/L											
	1,1-Dichloroethene	mg/L											
	1,2-Dichlorobenzene	mg/L											
	1,2-Dichloroethane	mg/L											
	1,2-Dichloropropane	mg/L											
	1,3-Dichlorobenzene	mg/L											
	1,4-Dichlorobenzene	mg/L											
	2-Chloroethyl vinyl ether	mg/L											
	Acrolein	mg/L											
	Acrylonitrile	mg/L											
	Bromodichloromethane	mg/L											
Bromoform	mg/L												
Bromomethane	mg/L												

C-27 Seatac Inflight Services
2019 Compliance Comparison

				October				November				December	
				10/15/2019	10/24/2019	10/30/2019		11/6/2019	11/13/2019	11/22/2019	11/27/2019		12/5/2019
				4053	4053	4053	October	4053	4053	4053	4053	November	4053
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Average	SMR	SMR	SMR	SMR	Average	SMR
Volatiles	Carbon Tetrachloride	mg/L											
	Chlorobenzene	mg/L											
	Chloroethane	mg/L											
	Chloroform	mg/L											
	Chloromethane	mg/L											
	cis-1,3-Dichloropropene	mg/L											
	Dibromochloromethane	mg/L											
	Methylene Chloride	mg/L											
	Styrene	mg/L											
	Tetrachloroethene	mg/L											
	trans-1,2-Dichloroethene	mg/L											
	trans-1,3-Dichloropropene	mg/L											
	Trichloroethene	mg/L											
	Trichlorofluoromethane	mg/L											
Vinyl Chloride	mg/L												

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

C-27 Seatac Inflite Services
2019 Compliance Comparison

				December				
				12/12/2019	12/18/2019	12/23/2019	12/30/2019	
				4053	4053	4053	4053	December
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Average
		GPD	85000					30668
	pH	pH Units	5.5 - 11.8	8.99	8.99	9.44	7.76	
	Temperature	°C	120	25.5	27.7	25.8	25	
		°F	120					
BTEX	Benzene	mg/L						
	Ethylbenzene	mg/L						
	m,p-Xylene	mg/L						
	o-Xylene	mg/L						
	Toluene	mg/L						
Conventional	BOD	mg/L						
	COD	mg/L						
	Cyanide, Total	mg/L	.64					
	Total Suspended Solids	mg/L						
HPAHs	Benzo(a)anthracene	mg/L						
	Benzo(a)pyrene	mg/L						
	Benzo(b,k)fluoranthene	mg/L						
	Benzo(g,h,i)perylene	mg/L						
	Chrysene	mg/L						
	Dibenz(a,h)anthracene	mg/L						
	Fluoranthene	mg/L						
	Indeno(1,2,3-cd)pyrene	mg/L						
LPAHs	Pyrene	mg/L						
	Acenaphthene	mg/L						
	Acenaphthylene	mg/L						
	Anthracene	mg/L						
	Fluorene	mg/L						
	Naphthalene	mg/L						
Metals	Phenanthrene	mg/L						
	Arsenic	mg/L	0.1					
	Cadmium	mg/L	0.25					
	Chromium	mg/L	1.0					
	Copper	mg/L	1.0					
	Lead	mg/L	0.4					
	Mercury	mg/L	0.05					

C-27 Seatac Inflite Services
2019 Compliance Comparison

				December				
				12/12/2019	12/18/2019	12/23/2019	12/30/2019	
				4053	4053	4053	4053	December
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Average
Metals	Molybdenum	mg/L	1.0					
	Nickel	mg/L	1.0					
	Selenium	mg/L	0.1					
	Silver	mg/L	0.2					
	Zinc	mg/L	2.0					
Phenols	Pentachlorophenol	mg/L						
	Phenol	mg/L						
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L						
	Butyl benzyl phthalate	mg/L						
	Diethyl phthalate	mg/L						
	Dimethyl phthalate	mg/L						
	Di-n-butyl phthalate	mg/L						
	Di-n-octyl phthalate	mg/L						
SVOA	1,2,4-Trichlorobenzene	mg/L						
	1,2-Diphenylhydrazine	mg/L						
	2,2'-oxybis(1-chloropropane)	mg/L						
	2,3-Dichloroaniline	mg/L						
	2,4,6-Trichlorophenol	mg/L						
	2,4-Dichlorophenol	mg/L						
	2,4-Dimethylphenol	mg/L						
	2,4-Dinitrophenol	mg/L						
	2,4-Dinitrotoluene	mg/L						
	2,6-Dinitrotoluene	mg/L						
	2-Chloronaphthalene	mg/L						
	2-Chlorophenol	mg/L						
	2-Methyl-4,6-dinitrophenol	mg/L						
	2-Methylphenol (o-Cresol)	mg/L						
	2-Nitrophenol	mg/L						
	3 & 4-Methylphenol(p-cresol)	mg/L						
	3,3'-Dichlorobenzidine	mg/L						
	4-Bromophenyl phenyl ether	mg/L						
	4-Chloro-3-Methylphenol	mg/L						
	4-Chlorophenyl phenyl ether	mg/L						
4-Nitrophenol	mg/L							

C-27 Seatac Inflite Services
2019 Compliance Comparison

				December				
				12/12/2019	12/18/2019	12/23/2019	12/30/2019	
				4053	4053	4053	4053	December
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Average
SVOA	Acetophenone	mg/L						
	Aniline	mg/L						
	Benzidine	mg/L						
	Bis(2-chloroethoxy) methane	mg/L						
	Bis(2-chloroethyl) ether	mg/L						
	Carbazole	mg/L						
	Hexachlorobenzene	mg/L						
	Hexachlorobutadiene	mg/L						
	Hexachlorocyclopentadiene	mg/L						
	Hexachloroethane	mg/L						
	Isophorone	mg/L						
	n-Decane	mg/L						
	Nitrobenzene	mg/L						
	N-Nitrosodimethylamine	mg/L						
	N-Nitroso-di-n-propylamine	mg/L						
	N-Nitrosodiphenylamine	mg/L						
n-Octadecane	mg/L							
Pyridine	mg/L							
TPH	SGT-HEM	mg/L	100					
Volatiles	1,1,1-Trichloroethane	mg/L						
	1,1,2,2-Tetrachloroethane	mg/L						
	1,1,2-Trichloroethane	mg/L						
	1,1-Dichloroethane	mg/L						
	1,1-Dichloroethene	mg/L						
	1,2-Dichlorobenzene	mg/L						
	1,2-Dichloroethane	mg/L						
	1,2-Dichloropropane	mg/L						
	1,3-Dichlorobenzene	mg/L						
	1,4-Dichlorobenzene	mg/L						
	2-Chloroethyl vinyl ether	mg/L						
	Acrolein	mg/L						
	Acrylonitrile	mg/L						
	Bromodichloromethane	mg/L						
Bromoform	mg/L							
Bromomethane	mg/L							

C-27 Seatac Inflite Services
2019 Compliance Comparison

				December				
				12/12/2019	12/18/2019	12/23/2019	12/30/2019	
				4053	4053	4053	4053	December
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	Average
Volatiles	Carbon Tetrachloride	mg/L						
	Chlorobenzene	mg/L						
	Chloroethane	mg/L						
	Chloroform	mg/L						
	Chloromethane	mg/L						
	cis-1,3-Dichloropropene	mg/L						
	Dibromochloromethane	mg/L						
	Methylene Chloride	mg/L						
	Styrene	mg/L						
	Tetrachloroethene	mg/L						
	trans-1,2-Dichloroethene	mg/L						
	trans-1,3-Dichloropropene	mg/L						
	Trichloroethene	mg/L						
	Trichlorofluoromethane	mg/L						
Vinyl Chloride	mg/L							

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-28 Superior Linen
2019 Compliance Comparison

				February	June			July		December		
				2/20/2019	6/3/2019	6/4/2019	6/5/2019	7/16/2019	7/17/2019	12/4/2019	12/5/2019	12/6/2019
				1917	2125	2125	2125	2163	2163	2126	2126	2126
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	SMR	Sample	Sample	SMR	SMR	SMR
Flow, pH, and Temperature	pH	pH Units		11.5	10.0	10.4	10.1			10.4	10.4	10.1
		pH_unit					10.7					
	Temperature	°F	120	83.7	80.1	87.0	79.9			82.1	83.0	79.7
		Deg. F	120					82.2				
BTEX	Benzene	mg/L		0.004 U				0.0022 U				
	Ethylbenzene	mg/L		0.004 U				0.0032 U				
	m,p-Xylene	mg/L		0.0084 U				0.0084 U				
	o-Xylene	mg/L		0.004 U				0.0026 U				
	Toluene	mg/L		0.004 U				0.0054 U				
Conventionals	Cyanide, Total	mg/L	.64	0.076 J					0.01 U			
HPAHs	Benzo(a)anthracene	mg/L							0.0011 U			
	Benzo(a)pyrene	mg/L							0.0015 U			
	Benzo(b,k)fluoranthene	mg/L							0.0023 U			
	Benzo(g,h,i)perylene	mg/L							0.0015 U			
	Chrysene	mg/L							0.0011 U			
	Dibenz(a,h)anthracene	mg/L							0.0017 U			
	Fluoranthene	mg/L							0.0008 U			
	Indeno(1,2,3-cd)pyrene	mg/L							0.0015 U			
	Pyrene	mg/L							0.0013 U			
LPAHs	Acenaphthene	mg/L							0.0012 U			
	Acenaphthylene	mg/L							0.0012 U			
	Anthracene	mg/L							0.0011 U			
	Fluorene	mg/L							0.0013 U			
	Naphthalene	mg/L							0.0012 U			
	Phenanthrene	mg/L							0.0011 U			
Metals	Antimony	mg/L		0.00678								
	Arsenic	mg/L	0.1	0.00143					0.00222			
	Beryllium	mg/L		0.0001 U								
	Cadmium	mg/L	0.25	0.000136					0.00012 U			
	Chromium	mg/L	1	0.0118					0.0173			
	Copper	mg/L	1	0.0602					0.0809			
	Lead	mg/L	0.4	0.0031					0.00495			
	Mercury	mg/L	0.05	.00005 U					2E-05 U			
	Molybdenum	mg/L	1	0.000888					0.00101			
	Nickel	mg/L	1	0.00522					0.00976			
	Selenium	mg/L	0.1	0.00017					0.00013 U			
	Silver	mg/L	0.2	0.00028					0.00016 U			
	Thallium	mg/L		.000100 UJ								
Metals	Tin	mg/L							0.00109 U			
	Zinc	mg/L	2	0.159					0.256			

Table C-28 Superior Linen
2019 Compliance Comparison

				February	June			July		December		
				2/20/2019	6/3/2019	6/4/2019	6/5/2019	7/16/2019	7/17/2019	12/4/2019	12/5/2019	12/6/2019
				1917	2125	2125	2125	2163	2163	2126	2126	2126
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	SMR	Sample	Sample	SMR	SMR	SMR
Phenols	Pentachlorophenol	mg/L							0.0076 U			
	Phenol	mg/L							0.0021 U			
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L							0.36			
	Butyl benzyl phthalate	mg/L							0.014			
	Diethyl phthalate	mg/L							0.0024 U			
	Dimethyl phthalate	mg/L							0.0011 U			
	Di-n-butyl phthalate	mg/L							0.017			
	Di-n-octyl phthalate	mg/L							0.0021 U			
SVOA	1,2,4-Trichlorobenzene	mg/L							0.0015 U			
	1,2-Diphenylhydrazine	mg/L							0.0015 U			
	2,2'-oxybis(1-chloropropane)	mg/L							0.0013 U			
	2,3-Dichloroaniline	mg/L							0.0013 U			
	2,4,6-Trichlorophenol	mg/L							0.0018 U			
	2,4-Dichlorophenol	mg/L							0.0017 U			
	2,4-Dimethylphenol	mg/L							0.0031 U			
	2,4-Dinitrophenol	mg/L							0.034 U			
	2,4-Dinitrotoluene	mg/L							0.0023 U			
	2,6-Dinitrotoluene	mg/L							0.0024 U			
	2-Chloronaphthalene	mg/L							0.0011 U			
	2-Chlorophenol	mg/L							0.0015 U			
	2-Methyl-4,6-dinitrophenol	mg/L							0.0027 U			
	2-Methylphenol (o-Cresol)	mg/L							0.0012 U			
	2-Nitrophenol	mg/L							0.0022 U			
	3 & 4-Methylphenol(p-cresol)	mg/L							0.001 U			
	3,3'-Dichlorobenzidine	mg/L							0.0014 U			
	4-Bromophenyl phenyl ether	mg/L							0.0014 U			
	4-Chloro-3-Methylphenol	mg/L							0.0017 U			
	4-Chlorophenyl phenyl ether	mg/L							0.0014 U			
	4-Nitrophenol	mg/L							0.0084 U			
	Acetophenone	mg/L							0.0038 U			
	Aniline	mg/L							0.0011 U			
	Benzidine	mg/L							0.021 U			
	Bis(2-chloroethoxy) methane	mg/L							0.0012 U			
	Bis(2-chloroethyl) ether	mg/L							0.0012 U			
Carbazole	mg/L							0.0009 U				
Hexachlorobenzene	mg/L							0.0013 U				
Hexachlorobutadiene	mg/L							0.0015 U				
Hexachlorocyclopentadiene	mg/L							0.002 U				

Table C-28 Superior Linen
2019 Compliance Comparison

				February	June			July		December		
				2/20/2019	6/3/2019	6/4/2019	6/5/2019	7/16/2019	7/17/2019	12/4/2019	12/5/2019	12/6/2019
				1917	2125	2125	2125	2163	2163	2126	2126	2126
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	SMR	Sample	Sample	SMR	SMR	SMR
SVOA	Hexachloroethane	mg/L							0.0015 U			
	Isophorone	mg/L							0.0014 U			
	n-Decane	mg/L							0.17			
	Nitrobenzene	mg/L							0.0015 U			
	N-Nitrosodimethylamine	mg/L							0.006 U			
	N-Nitroso-di-n-propylamine	mg/L							0.0011 U			
	N-Nitrosodiphenylamine	mg/L							0.0011 U			
	n-Octadecane	mg/L							0.029			
	Pyridine	mg/L							0.011 U			
TPH	SGT-HEM	mg/L	100	21.8 J	5.0 U	5.0 U	5.0 U	39.6		8.2	5.9	5.0 U
Volatiles	1,1,1-Trichloroethane	mg/L		0.002 U				0.0056 U				
	1,1,2,2-Tetrachloroethane	mg/L		0.004 U				0.004 U				
	1,1,2-Trichloroethane	mg/L		0.01 U				0.003 U				
	1,1-Dichloroethane	mg/L		0.002 U				0.0036 U				
	1,1-Dichloroethene	mg/L		0.004 U				0.005 U				
	1,2-Dichlorobenzene	mg/L		0.004 U				0.0032 U				
	1,2-Dichloroethane	mg/L		0.004 U				0.003 U				
	1,2-Dichloropropane	mg/L		0.002 U				0.0026 U				
	1,3-Dichlorobenzene	mg/L		0.004 U				0.0036 U				
	1,4-Dichlorobenzene	mg/L		0.004 U				0.0038 U				
	2-Chloroethyl vinyl ether	mg/L		0.0022 U				0.0022 U				
	Acrolein	mg/L		.0050 UJ				0.03 U				
	Acrylonitrile	mg/L		0.028 U				0.028 U				
	Bromodichloromethane	mg/L		0.004 U				0.0034 U				
	Bromoform	mg/L		0.004 U				0.003 U				
	Bromomethane	mg/L		0.01 U				0.0076 U				
	Carbon Tetrachloride	mg/L		0.004 U				0.0034 U				
Chlorobenzene	mg/L		0.004 U				0.0018 U					
Chloroethane	mg/L		0.006 U				0.0024 U					

Table C-28 Superior Linen
2019 Compliance Comparison

				February	June			July		December		
				2/20/2019	6/3/2019	6/4/2019	6/5/2019	7/16/2019	7/17/2019	12/4/2019	12/5/2019	12/6/2019
				1917	2125	2125	2125	2163	2163	2126	2126	2126
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	SMR	Sample	Sample	SMR	SMR	SMR
Volatiles	Chloroform	mg/L		0.17				0.20				
	Chloromethane	mg/L		0.004 U				0.0048 U				
	cis-1,3-Dichloropropene	mg/L		0.004 U				0.0018 U				
	Dibromochloromethane	mg/L		0.004 U				0.0024 U				
	Methylene Chloride	mg/L		0.006 U				0.0084 U				
	Styrene	mg/L		0.004 U								
	Tetrachloroethene	mg/L		0.004 U				0.0036 U				
	trans-1,2-Dichloroethene	mg/L		0.004 U				0.0036 U				
	trans-1,3-Dichloropropene	mg/L		0.004 U				0.0024 U				
	Trichloroethene	mg/L		0.004 U				0.003 U				
	Trichlorofluoromethane	mg/L		0.004 U								
Vinyl Chloride	mg/L		0.004 U				0.003 U					

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-29 TPU Decant Facility
2019 Compliance Comparison

				January		February		March	April		May	July		
				1/2/2019		1/28/2019	2/13/2019	2/27/2019	3/14/2019	4/2/2019	4/9/2019	5/9/2019	7/1/2019	
				3512	3569	3512	3513	3514	3514	3515	3570	3345	3516	3518
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	SMR	
Flow, pH, and Temperature	Flow	Gallon	14200	8976		12365	10629	11437	6446	9848		8624	7,951	
	pH	pH Units	5.5 - 11	7.2		7.0	7.1	7.1	8.1	7.4		8.78	7.1	7.4
	Temperature	°F	100	42.6		44.4						52.3		
BTEX	Benzene	mg/L										0.0022 U		
	Ethylbenzene	mg/L										0.0032 U		
	m,p-Xylene	mg/L										0.0084 U		
	o-Xylene	mg/L										0.0026 U		
	Toluene	mg/L										0.0054 U		
Conventionals	BOD	mg/L										3.8		
	COD	mg/L										98.0		
	Cyanide, Total	mg/L	0.64									0.005 U		
	Total Suspended Solids	mg/L		63		410	72	710	124	280			23	52
HPAHs	Benzo(a)anthracene	mg/L										0.0012 U		
	Benzo(a)pyrene	mg/L										0.0015 U		
	Benzo(b,k)fluoranthene	mg/L										0.0023 U		
	Benzo(g,h,i)perylene	mg/L										0.0015 U		
	Chrysene	mg/L										0.0012 U		
	Dibenz(a,h)anthracene	mg/L										0.0017 U		
	Fluoranthene	mg/L										0.0008 U		
	Indeno(1,2,3-cd)pyrene	mg/L										0.0015 U		
LPAHs	Pyrene	mg/L										0.0013 U		
	Acenaphthene	mg/L										0.0012 U		
	Acenaphthylene	mg/L										0.0012 U		
	Anthracene	mg/L										0.0011 U		
	Fluorene	mg/L										0.0013 U		
	Naphthalene	mg/L										0.0012 U		
Metals	Phenanthrene	mg/L										0.0011 U		
	Arsenic	mg/L	0.1	0.043		0.025 U	0.054	0.025 U	0.072	0.085		0.0287	0.025 U	0.025 U
	Cadmium	mg/L	0.25	.003 U		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U		0.000121 U	0.003 U	0.003 U
	Chromium	mg/L	1	.101		0.089	0.048	0.104	0.1	0.097		0.0510	0.026	0.007 U
	Copper	mg/L	1	.119		0.146	0.071	0.166	0.135	0.174		0.0746	0.072	0.129
	Lead	mg/L	0.4	.030		0.073	0.055	0.117	0.085	0.109		0.0406	0.039	0.066
	Mercury	mg/L	0.05	.0005 U		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		0.000192	0.0005 U	0.0005 U
	Molybdenum	mg/L	1	.009		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.00265	0.005 U	0.005 U
	Nickel	mg/L	1	.057		0.132	0.058	0.176	0.125	0.111		0.0657	0.015 U	0.015 U
	Selenium	mg/L	0.1	.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.000126 U	0.025 U	0.025 U
	Silver	mg/L	0.2	.007 U		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U		0.000158 U	0.007 U	0.007 U
Zinc	mg/L	2	.473		0.512	0.394	0.55	0.552	0.88		0.382	0.279	0.336	
PCBs	Aroclor-1016	mg/L										9E-06 U		
		ug/L			.1 U		0.1 U	0.1 U	0.1 U		.1 U		0.1 U	0.1 U
	Aroclor-1221	mg/L										3.4E-05 U		
		ug/L			.1 U		0.1 U	0.1 U	0.1 U		.1 U		0.1 U	0.1 U
	Aroclor-1232	mg/L										9E-06 U		
		ug/L			.1 U		0.1 U	0.1 U	0.1 U		.1 U		0.1 U	0.1 U

Table C-29 TPU Decant Facility
2019 Compliance Comparison

				January		February		March	April		May	July		
				1/2/2019		1/28/2019	2/13/2019	2/27/2019	3/14/2019	4/2/2019	4/9/2019	5/9/2019	7/1/2019	
				3512	3569	3512	3513	3514	3514	3515	3570	3345	3516	3518
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	SMR	
PCBs	Aroclor-1242	mg/L									9E-06 U			
		ug/L			.1 U		0.1 U	0.1 U	0.1 U		.1 U		0.1 U	0.1 U
	Aroclor-1248	mg/L									9E-06 U			
		ug/L			.1 U		0.1 U	0.1 U	0.1 U		.1 U		0.1 U	0.1 U
	Aroclor-1254	mg/L									2.2E-05 U			
		ug/L			.1 U		0.1 U	0.1 U	0.1 U		.1 U		0.1 U	0.1 U
	Aroclor-1260	mg/L									0.000091			
		ug/L			.1 U		0.1 U	0.1 U		.1 U		0.1 U	0.1 U	
	PCBs	mg/L	0.003		0.0007 U		0.0007 U			0.0007 U				
Phenols	Pentachlorophenol	mg/L									0.0077 U			
	Phenol	mg/L									0.0021 U			
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L									0.0012 U			
	Butyl benzyl phthalate	mg/L									0.0016 U			
	Diethyl phthalate	mg/L									0.0024 U			
	Dimethyl phthalate	mg/L									0.0011 U			
	Di-n-butyl phthalate	mg/L									0.0023 U			
	Di-n-octyl phthalate	mg/L									0.0021 U			
SVOA	1,2,4-Trichlorobenzene	mg/L									0.0015 U			
	1,2-Diphenylhydrazine	mg/L									0.0015 U			
	2,2'-oxybis(1-chloropropane)	mg/L									0.0013 U			
	2,3-Dichloroaniline	mg/L									0.0013 U			
	2,4,6-Trichlorophenol	mg/L									0.0018 U			
	2,4-Dichlorophenol	mg/L									0.0017 U			
	2,4-Dimethylphenol	mg/L									0.0032 U			
	2,4-Dinitrophenol	mg/L									0.034 U			
	2,4-Dinitrotoluene	mg/L									0.0023 U			
	2,6-Dinitrotoluene	mg/L									0.0025 U			
	2-Chloronaphthalene	mg/L									0.0012 U			
	2-Chlorophenol	mg/L									0.0015 U			
	2-Methyl-4,6-dinitrophenol	mg/L									0.0028 U			
	2-Methylphenol (o-Cresol)	mg/L									0.0012 U			
	2-Nitrophenol	mg/L									0.0022 U			
	3 & 4-Methylphenol(p-cresol)	mg/L									0.001 U			
	3,3'-Dichlorobenzidine	mg/L									0.0014 U			
	4-Bromophenyl phenyl ether	mg/L									0.0014 U			
	4-Chloro-3-Methylphenol	mg/L									0.0017 U			
	4-Chlorophenyl phenyl ether	mg/L									0.0014 U			
	4-Nitrophenol	mg/L									0.0085 U			
	Acetophenone	mg/L									0.0038 U			
	Aniline	mg/L									0.0012 U			
Benzidine	mg/L									0.021 U				
Bis(2-chloroethoxy) methane	mg/L									0.0012 U				
Bis(2-chloroethyl) ether	mg/L									0.0012 U				
Carbazole	mg/L									0.0009 U				
Hexachlorobenzene	mg/L									0.0013 U				
Hexachlorobutadiene	mg/L									0.0015 U				

Table C-29 TPU Decant Facility
2019 Compliance Comparison

				January		February		March	April		May	July		
				1/2/2019		1/28/2019	2/13/2019	2/27/2019	3/14/2019	4/2/2019	4/9/2019	5/9/2019	7/1/2019	
				3512	3569	3512	3513	3514	3514	3515	3570	3345	3516	3518
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	SMR	SMR	SMR	SMR	Sample	SMR	SMR	
SVOA	Hexachlorocyclopentadiene	mg/L									0.002 U			
	Hexachloroethane	mg/L									0.0015 U			
	Isophorone	mg/L									0.0014 U			
	n-Decane	mg/L									0.0034 U			
	Nitrobenzene	mg/L									0.0015 U			
	N-Nitrosodimethylamine	mg/L									0.0061 U			
	N-Nitroso-di-n-propylamine	mg/L									0.0012 U			
	N-Nitrosodiphenylamine	mg/L									0.0012 U			
	n-Octadecane	mg/L									0.0024 U			
Pyridine	mg/L									0.012 U				
TPH	SGT-HEM	mg/L	50	5.0 U		5 U	5 U	5 U	5 U	5 U		1.7 U	5.0 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L										0.0056 U		
	1,1,2,2-Tetrachloroethane	mg/L										0.004 U		
	1,1,2-Trichloroethane	mg/L										0.003 U		
	1,1-Dichloroethane	mg/L										0.0036 U		
	1,1-Dichloroethene	mg/L										0.005 U		
	1,2-Dichlorobenzene	mg/L										0.0032 U		
	1,2-Dichloroethane	mg/L										0.003 U		
	1,2-Dichloropropane	mg/L										0.0026 U		
	1,3-Dichlorobenzene	mg/L										0.0036 U		
	1,4-Dichlorobenzene	mg/L										0.0038 U		
	2-Chloroethyl vinyl ether	mg/L										0.0022 U		
	Acrolein	mg/L										0.03 U		
	Acrylonitrile	mg/L										0.028 U		
	Bromodichloromethane	mg/L										0.0034 U		
	Bromoform	mg/L										0.003 U		
	Bromomethane	mg/L										0.0076 U		
	Carbon Tetrachloride	mg/L										0.0034 U		
	Chlorobenzene	mg/L										0.0018 U		
	Chloroethane	mg/L										0.0024 U		
	Chloroform	mg/L										0.0026 U		
	Chloromethane	mg/L										0.0048 U		
	cis-1,3-Dichloropropene	mg/L										0.0018 U		
	Dibromochloromethane	mg/L										0.0024 U		
	Methylene Chloride	mg/L										0.0084 U		
Styrene	mg/L										0.0026 U			
Tetrachloroethene	mg/L										0.0036 U			
trans-1,2-Dichloroethene	mg/L										0.0036 U			
trans-1,3-Dichloropropene	mg/L										0.0024 U			
Trichloroethene	mg/L										0.003 U			
Trichlorofluoromethane	mg/L										0.003 U			
Vinyl Chloride	mg/L										0.003 U			

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-29 TPU Decant Facility
2019 Compliance Comparison

				July	August	October		November		December		
				7/22/2019	8/20/2019	10/17/2019	10/29/2019		11/4/2019	11/14/2019	12/3/2019	12/13/2019
				3518	3520	3521	3344	3590	3522	3522	3523	3523
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Sample	Sample	SMR	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon	14200	10,053	12,632	8,587			9,941	10,008	7,114	12,566
	pH	pH Units	5.5 - 11	7.7	7.2	6.7	6.55	6.55	6.1	6.2	5.99	6.24
	Temperature	°F	100				57.4	57.4				
BTEX	Benzene	mg/L						0.0022 U				
	Ethylbenzene	mg/L						0.0032 U				
	m,p-Xylene	mg/L						0.0084 U				
	o-Xylene	mg/L						0.0026 U				
	Toluene	mg/L						0.0054 U				
Conventionals	BOD	mg/L					4.5					
	COD	mg/L					54.0					
	Cyanide, Total	mg/L	0.64					0.005 U				
	Total Suspended Solids	mg/L		2.3	9	80	67.0		25	24.7	20	284
HPAHs	Benzo(a)anthracene	mg/L						0.0011 U				
	Benzo(a)pyrene	mg/L						0.0014 U				
	Benzo(b,k)fluoranthene	mg/L						0.0022 U				
	Benzo(g,h,i)perylene	mg/L						0.0014 U				
	Chrysene	mg/L						0.0011 U				
	Dibenz(a,h)anthracene	mg/L						0.0016 U				
	Fluoranthene	mg/L						0.0007 U				
	Indeno(1,2,3-cd)pyrene	mg/L						0.0014 U				
LPAHs	Pyrene	mg/L						0.0012 U				
	Acenaphthene	mg/L						0.0012 U				
	Acenaphthylene	mg/L						0.0012 U				
	Anthracene	mg/L						0.001 U				
	Fluorene	mg/L						0.0012 U				
	Naphthalene	mg/L						0.0012 U				
Metals	Phenanthrene	mg/L						0.001 U				
	Arsenic	mg/L	0.1	0.025 U	0.025 U	0.039	0.0498	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Cadmium	mg/L	0.25	0.003 U	0.003 U	0.003 U	0.000121 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
	Chromium	mg/L	1	0.007 U	0.007 U	0.007 U	0.0353	0.007 U	0.023	0.035	0.007 U	0.007 U
	Copper	mg/L	1	0.058	0.047	0.065	0.0694	0.036	0.112	0.107	0.076	0.076
	Lead	mg/L	0.4	0.039	0.025 U	0.03	0.0181	0.025 U	0.033	0.062	0.025 U	0.025 U
	Mercury	mg/L	0.05	0.0005 U	0.0005 U	0.0005 U	0.000201	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
	Molybdenum	mg/L	1	0.005 U	0.005 U	0.007	0.00232	0.006	0.005 U	0.005 U	0.005 U	0.005 U
	Nickel	mg/L	1	0.015 U	0.015 U	0.015 U	0.0463	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
	Selenium	mg/L	0.1	0.025 U	0.025 U	0.025 U	0.000126 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
	Silver	mg/L	0.2	0.007 U	0.007 U	0.007 U	0.000158 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Zinc	mg/L	2	0.253	0.14	0.16	0.241	0.151	0.432	0.376	0.392	0.392	
PCBs	Aroclor-1016	mg/L						9E-06 U				
		ug/L		0.1 U	0.1 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor-1221	mg/L						3.6E-05 U				
		ug/L		0.1 U	0.1 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor-1232	mg/L						9E-06 U				
		ug/L		0.1 U	0.1 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table C-29 TPU Decant Facility
2019 Compliance Comparison

				July	August	October		November		December		
				7/22/2019	8/20/2019	10/17/2019	10/29/2019		11/4/2019	11/14/2019	12/3/2019	12/13/2019
				3518	3520	3521	3344	3590	3522	3522	3523	3523
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Sample	Sample	SMR	SMR	SMR	SMR
PCBs	Aroclor-1242	mg/L						9E-06 U				
		ug/L		0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor-1248	mg/L						9E-06 U				
		ug/L		0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor-1254	mg/L						2.3E-05 U				
		ug/L		0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor-1260	mg/L						2.3E-05 U				
		ug/L		0.1 U	0.1 U	0.1 U			0.1 U	0.1 U	0.1 U	0.1 U
	PCBs	mg/L	0.003									
Phenols	Pentachlorophenol	mg/L						0.0072 U				
	Phenol	mg/L						0.002 U				
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L						0.0012 U				
	Butyl benzyl phthalate	mg/L						0.0015 U				
	Diethyl phthalate	mg/L						0.0022 U				
	Dimethyl phthalate	mg/L						0.001 U				
	Di-n-butyl phthalate	mg/L						0.0022 U				
	Di-n-octyl phthalate	mg/L						0.002 U				
SVOA	1,2,4-Trichlorobenzene	mg/L						0.0014 U				
	1,2-Diphenylhydrazine	mg/L						0.0014 U				
	2,2'-oxybis(1-chloropropane)	mg/L						0.0012 U				
	2,3-Dichloroaniline	mg/L						0.0012 U				
	2,4,6-Trichlorophenol	mg/L						0.0017 U				
	2,4-Dichlorophenol	mg/L						0.0016 U				
	2,4-Dimethylphenol	mg/L						0.003 U				
	2,4-Dinitrophenol	mg/L						0.032 U				
	2,4-Dinitrotoluene	mg/L						0.0022 U				
	2,6-Dinitrotoluene	mg/L						0.0023 U				
	2-Chloronaphthalene	mg/L						0.0011 U				
	2-Chlorophenol	mg/L						0.0014 U				
	2-Methyl-4,6-dinitrophenol	mg/L						0.0026 U				
	2-Methylphenol (o-Cresol)	mg/L						0.0012 U				
	2-Nitrophenol	mg/L						0.0021 U				
	3 & 4-Methylphenol(p-cresol)	mg/L						0.0009 U				
	3,3'-Dichlorobenzidine	mg/L						0.0013 U				
	4-Bromophenyl phenyl ether	mg/L						0.0013 U				
	4-Chloro-3-Methylphenol	mg/L						0.0016 U				
	4-Chlorophenyl phenyl ether	mg/L						0.0013 U				
	4-Nitrophenol	mg/L						0.008 U				
	Acetophenone	mg/L						0.0036 U				
	Aniline	mg/L						0.0011 U				
	Benzidine	mg/L						0.02 U				
Bis(2-chloroethoxy) methane	mg/L						0.0012 U					
Bis(2-chloroethyl) ether	mg/L						0.0012 U					
Carbazole	mg/L						0.0009 U					
Hexachlorobenzene	mg/L						0.0012 U					
Hexachlorobutadiene	mg/L						0.0014 U					

Table C-29 TPU Decant Facility
2019 Compliance Comparison

				July	August	October		November		December		
				7/22/2019	8/20/2019	10/17/2019	10/29/2019		11/4/2019	11/14/2019	12/3/2019	12/13/2019
				3518	3520	3521	3344	3590	3522	3522	3523	3523
Category	Parameter	Unit	Daily Limit	SMR	SMR	SMR	Sample	Sample	SMR	SMR	SMR	SMR
SVOA	Hexachlorocyclopentadiene	mg/L						0.0019 U				
	Hexachloroethane	mg/L						0.0014 U				
	Isophorone	mg/L						0.0013 U				
	n-Decane	mg/L						0.0032 U				
	Nitrobenzene	mg/L						0.0014 U				
	N-Nitrosodimethylamine	mg/L						0.0057 U				
	N-Nitroso-di-n-propylamine	mg/L						0.0011 U				
	N-Nitrosodiphenylamine	mg/L						0.0011 U				
	n-Octadecane	mg/L						0.0022 U				
Pyridine	mg/L						0.011 U					
TPH	SGT-HEM	mg/L	50	5 U	5 U	5 U		2.9	5 U	5 U	5 U	5 U
Volatiles	1,1,1-Trichloroethane	mg/L						0.0056 U				
	1,1,2,2-Tetrachloroethane	mg/L						0.004 U				
	1,1,2-Trichloroethane	mg/L						0.003 U				
	1,1-Dichloroethane	mg/L						0.0036 U				
	1,1-Dichloroethene	mg/L						0.005 U				
	1,2-Dichlorobenzene	mg/L						0.0032 U				
	1,2-Dichloroethane	mg/L						0.003 U				
	1,2-Dichloropropane	mg/L						0.0026 U				
	1,3-Dichlorobenzene	mg/L						0.0036 U				
	1,4-Dichlorobenzene	mg/L						0.0038 U				
	2-Chloroethyl vinyl ether	mg/L						0.0022 U				
	Acrolein	mg/L						0.03 U				
	Acrylonitrile	mg/L						0.028 U				
	Bromodichloromethane	mg/L						0.0034 U				
	Bromoform	mg/L						0.003 U				
	Bromomethane	mg/L						0.0076 U				
	Carbon Tetrachloride	mg/L						0.0034 U				
	Chlorobenzene	mg/L						0.0018 U				
	Chloroethane	mg/L						0.0024 U				
	Chloroform	mg/L						0.0026 U				
	Chloromethane	mg/L						0.0048 U				
	cis-1,3-Dichloropropene	mg/L						0.0018 U				
	Dibromochloromethane	mg/L						0.0024 U				
	Methylene Chloride	mg/L						0.0084 U				
Styrene	mg/L											
Tetrachloroethene	mg/L						0.0036 U					
trans-1,2-Dichloroethene	mg/L											
trans-1,3-Dichloropropene	mg/L						0.0024 U					
Trichloroethene	mg/L						0.003 U					
Trichlorofluoromethane	mg/L											
Vinyl Chloride	mg/L						0.003 U					

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

C-30 Tacoma Truck Wash
2019 Compliance Comparison

				January			February		March		April		
				1/17/2019	1/23/2019	1/28/2019		2/27/2019		3/31/2019		4/10/2019	4/17/2019
				1858	1294	1294	January	4123	February	4122	March	3349	1859
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	Average	SMR	Average	SMR	Average	SMR	Sample
Flow, pH, and Temperature	Flow	Gallon					929		862		1110		
	pH	pH Units	5.5 - 11	7.31		7.7		7.34		5.01			7.35
	Temperature	°F	100	48.7									51.6
Conventionals	Cyanide, Total	mg/L	0.64	0.008									
Metals	Arsenic	mg/L	1	0.00924		0.025 U		0.025 U		0.025 U			0.0001 U
	Cadmium	mg/L	0.25	0.0396		0.003 U		0.003 U		0.007			0.00012 U
	Chromium	mg/L	1	0.0623		0.007 U		0.007 U		0.017			0.0023 U
	Copper	mg/L	1	0.375		0.006 U		0.006 U		0.006 U			0.00318
	Lead	mg/L	0.4	0.0585		0.025 U		0.025 U		0.025 U			0.00430
	Mercury	mg/L	0.05	0.000123									2E-05 U
	Molybdenum	mg/L	1	0.0325		0.028		0.03		0.054			0.0181
	Nickel	mg/L	1	0.109		0.038		0.033		0.051			0.0134
	Selenium	mg/L	0.1	0.000382		0.025 U		0.003 U		0.025 U			0.00013 U
	Silver	mg/L	0.2	0.000326									0.00016 U
Zinc	mg/L	2	6.15	0.017	1.11		1.34		3.39		0.943	0.703	
TPH	SGT-HEM	mg/L	50	4.9		5 U		5 U		5 U			1.7 U

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-30 Tacoma Truck Wash
2019 Compliance Comparison

				April		May		June		July		August		
				4/22/2019		5/1/2019		6/3/2019		7/2/2019	7/17/2019		8/1/2019	
				3349	April	3350	May	3351	June	3352	3412	July	3353	August
Category	Parameter	Unit	Daily Limit	SMR	Average	SMR	Average	SMR	Average	SMR	Sample	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon			629		269		291			409		571
	pH	pH Units	5.5 - 11	6.69		6.38		6.58		6.76	7.25		6.62	
	Temperature	°F	100								70.9			
Conventionals	Cyanide, Total	mg/L	0.64								0.005 U			
Metals	Arsenic	mg/L	1	0.025 U		0.025 U		0.025 U		0.025 U	0.0001 U		0.025 U	
	Cadmium	mg/L	0.25	0.003 U		0.003 U		0.003 U		0.003 U	0.00012 U		0.003 U	
	Chromium	mg/L	1	0.007 U		0.007 U		0.007 U		0.007 U	0.00304		0.007 U	
	Copper	mg/L	1	0.007		0.006 U		0.006 U		0.006 U	0.00420		0.006 U	
	Lead	mg/L	0.4	0.025 U		0.025 U		0.025 U		0.025 U	0.0001 U		0.025 U	
	Mercury	mg/L	0.05								2E-05 U			
	Molybdenum	mg/L	1	0.014		0.013		0.006		0.005 U	0.00114		0.005 U	
	Nickel	mg/L	1	0.015 U		0.015 U		0.015 U		0.015 U	0.0241		0.015 U	
	Selenium	mg/L	0.1	0.025 U		0.025 U		0.025 U		0.025 U	0.00013 U		0.025 U	
	Silver	mg/L	0.2								0.00016 U			
Zinc	mg/L	2	0.577		0.315		0.321		0.048	0.0829		0.08		
TPH	SGT-HEM	mg/L	50	5 U		5 U		5 U		5 U	2 U		5 U	

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-30 Tacoma Truck Wash
2019 Compliance Comparison

				September			October			November		December	
				9/4/2019	9/25/2019		10/3/2019			11/5/2019		12/4/2019	
				3354	3413	September	1291	3355	October	3356	November	3357	December
Category	Parameter	Unit	Daily Limit	SMR	Sample	Average	SMR	SMR	Average	SMR	Average	SMR	Average
Flow, pH, and Temperature	Flow	Gallon				521			788		587		647
	pH	pH Units	5.5 - 11	7.08	6.79		7.12	7.12		7.61		6.85	
	Temperature	°F	100		60.8								
Conventionals	Cyanide, Total	mg/L	0.64		0.005 U								
Metals	Arsenic	mg/L	1	0.025 U	0.0001 U		0.025 U	0.025 U		0.025 U		0.025 U	
	Cadmium	mg/L	0.25	0.003 U	0.00012 U		0.003 U	0.003 U		0.003 U		0.003 U	
	Chromium	mg/L	1	0.007 U	0.00251		0.007 U	0.007 U		0.007 U		0.007 U	
	Copper	mg/L	1	0.006	0.00456		0.006 U	0.006 U		0.006 U		0.006 U	
	Lead	mg/L	0.4	0.025 U	0.0001 U		0.025 U	0.025 U		0.025 U		0.025 U	
	Mercury	mg/L	0.05		2E-05 U								
	Molybdenum	mg/L	1	0.005 U	0.00273		0.005 U	0.005 U		0.023		0.022	
	Nickel	mg/L	1	0.015 U	0.0190		0.015 U	0.015 U		0.015 U		0.015 U	
	Selenium	mg/L	0.1	0.025 U	0.00013 U		0.025 U	0.025 U		0.025 U		0.025 U	
	Silver	mg/L	0.2		0.00016 U								
Zinc	mg/L	2	0.008	0.136		0.188	0.188		0.215		0.384		
TPH	SGT-HEM	mg/L	50	5 U	4.8		5 U	5 U		6.4		5 U	

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

C-31 Tomlinson Linen
2019 Compliance Comparison

				February		March	April	May	June		
				January	2/20/2019	February	March	April	May	6/5/2019	June
Category	Parameter	Unit	Daily Limit	Average	Sample	Average	Average	Average	Average	SMR	Average
Flow, pH, and Temperature	Flow	GPD		65541		61913	66694	67556	67641		67161
	pH	pH Units	5.5 - 11.8		10.6					11.73	
	Temperature	°F	120		112					104.36	
BTEX	Benzene	mg/L			0.004 U						
	Ethylbenzene	mg/L			0.004 U						
	m,p-Xylene	mg/L			0.023						
	o-Xylene	mg/L			0.004 U						
	Toluene	mg/L			0.004 U						
Conventionals	Cyanide, Total	mg/L	.64		0.005						
HPAHs	Benzo(a)anthracene	mg/L									
	Benzo(a)pyrene	mg/L									
	Benzo(b,k)fluoranthene	mg/L									
	Benzo(g,h,i)perylene	mg/L									
	Chrysene	mg/L									
	Dibenz(a,h)anthracene	mg/L									
	Fluoranthene	mg/L									
	Indeno(1,2,3-cd)pyrene	mg/L									
	Pyrene	mg/L									
LPAHs	Acenaphthene	mg/L									
	Acenaphthylene	mg/L									
	Anthracene	mg/L									
	Fluorene	mg/L									
	Naphthalene	mg/L									
	Phenanthrene	mg/L									
Metals	Antimony	mg/L			0.00359						
	Arsenic	mg/L	0.1		0.000722						
	Beryllium	mg/L			0.0001 U						
	Cadmium	mg/L	0.25		0.00013						
	Chromium	mg/L	1		0.0243						
	Copper	mg/L	1		0.0861						
	Lead	mg/L	0.4		0.00265						
	Mercury	mg/L	0.05		4.2e-005						
	Molybdenum	mg/L	1		0.000718						

C-31 Tomlinson Linen
2019 Compliance Comparison

				February		March	April	May	June		
				January	2/20/2019	February	March	April	May	6/5/2019	June
Category	Parameter	Unit	Daily Limit	Average	1916 Sample	Average	Average	Average	Average	2957 SMR	Average
Metals	Nickel	mg/L	1		0.0095						
	Selenium	mg/L	0.1		0.000304						
	Silver	mg/L	0.2		0.00049						
	Thallium	mg/L			ND J						
	Tin	mg/L									
	Zinc	mg/L	2			0.167					
Phenols	Pentachlorophenol	mg/L									
	Phenol	mg/L									
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L									
	Butyl benzyl phthalate	mg/L									
	Diethyl phthalate	mg/L									
	Dimethyl phthalate	mg/L									
	Di-n-butyl phthalate	mg/L									
	Di-n-octyl phthalate	mg/L									
SVOA	1,2,4-Trichlorobenzene	mg/L									
	1,2-Diphenylhydrazine	mg/L									
	2,2'-oxybis(1-chloropropane)	mg/L									
	2,3-Dichloroaniline	mg/L									
	2,4,6-Trichlorophenol	mg/L									
	2,4-Dichlorophenol	mg/L									
	2,4-Dimethylphenol	mg/L									
	2,4-Dinitrophenol	mg/L									

C-31 Tomlinson Linen
2019 Compliance Comparison

				February		March	April	May	June		
				January	2/20/2019	February	March	April	May	6/5/2019	June
Category	Parameter	Unit	Daily Limit	Average	1916 Sample	Average	Average	Average	Average	2957 SMR	Average
SVOA	2,4-Dinitrotoluene	mg/L									
	2,6-Dinitrotoluene	mg/L									
	2-Chloronaphthalene	mg/L									
	2-Chlorophenol	mg/L									
	2-Methyl-4,6-dinitrophenol	mg/L									
	2-Methylphenol (o-Cresol)	mg/L									
	2-Nitrophenol	mg/L									
	3 & 4-Methylphenol(p-cresol)	mg/L									
	3,3´-Dichlorobenzidine	mg/L									
	4-Bromophenyl phenyl ether	mg/L									
	4-Chloro-3-Methylphenol	mg/L									
	4-Chlorophenyl phenyl ether	mg/L									
	4-Nitrophenol	mg/L									
	Acetophenone	mg/L									
	Aniline	mg/L									
	Benzidine	mg/L									
	Bis(2-chloroethoxy) methane	mg/L									
Bis(2-chloroethyl) ether	mg/L										
Carbazole	mg/L										
Hexachlorobenzene	mg/L										
Hexachlorobutadiene	mg/L										

C-31 Tomlinson Linen
2019 Compliance Comparison

				February		March	April	May	June		
					2/20/2019				6/5/2019		
Category	Parameter	Unit	Daily Limit	January Average	1916 Sample	February Average	March Average	April Average	May Average	2957 SMR	June Average
SVOA	Hexachlorocyclopentadiene	mg/L									
	Hexachloroethane	mg/L									
	Isophorone	mg/L									
	n-Decane	mg/L									
	Nitrobenzene	mg/L									
	N-Nitrosodimethylamine	mg/L									
	N-Nitroso-di-n-propylamine	mg/L									
	N-Nitrosodiphenylamine	mg/L									
	n-Octadecane	mg/L									
	Pyridine	mg/L									
TPH	SGT-HEM	mg/L	100		26.8					5.0 U	
Volatiles	1,1,1-Trichloroethane	mg/L			0.002 U						
	1,1,2,2-Tetrachloroethane	mg/L			0.004 U						
	1,1,2-Trichloroethane	mg/L			0.01 U						
	1,1-Dichloroethane	mg/L			0.002 U						
	1,1-Dichloroethene	mg/L			0.004 U						
	1,2-Dichlorobenzene	mg/L			0.004 U						
	1,2-Dichloroethane	mg/L			0.004 U						
	1,2-Dichloropropane	mg/L			0.002 U						
1,3-Dichlorobenzene	mg/L			0.004 U							

C-31 Tomlinson Linen
2019 Compliance Comparison

				February		March	April	May	June		
				January	2/20/2019	February	March	April	May	6/5/2019	June
Category	Parameter	Unit	Daily Limit	Average	1916 Sample	Average	Average	Average	Average	2957 SMR	Average
Volatiles	1,4-Dichlorobenzene	mg/L			0.004 U						
	2-Chloroethyl vinyl ether	mg/L			0.0022 U						
	Acrolein	mg/L			ND J						
	Acrylonitrile	mg/L			0.028 U						
	Bromodichloromethane	mg/L			0.004 U						
	Bromoform	mg/L			0.004 U						
	Bromomethane	mg/L									
	Carbon Tetrachloride	mg/L			0.004 U						
	Chlorobenzene	mg/L			0.004 U						
	Chloroethane	mg/L			0.006 U						
	Chloroform	mg/L			0.004 U						
	Chloromethane	mg/L			0.004 U						
	cis-1,3-Dichloropropene	mg/L			0.004 U						
	Dibromochloromethane	mg/L			0.004 U						
	Methylene Chloride	mg/L			0.006 U						
	Styrene	mg/L			0.004 U						
	Tetrachloroethene	mg/L			0.004 U						
trans-1,2-Dichloroethene	mg/L			0.004 U							
trans-1,3-Dichloropropene	mg/L			0.004 U							
Trichloroethene	mg/L			0.004 U							
Trichlorofluoromethane	mg/L			0.004 U							
Vinyl Chloride	mg/L			0.004 U							

Bold - The analyte was present in the sample.

U - Analyte not detected at or above the associated value.

UU - Analyte not detected at or above the associated estimated value.

J - The result is an estimated concentration.

C-31 Tomlinson Linen
2019 Compliance Comparison

				July		August	September	October	November	December		
				7/16/2019	7/17/2019					12/4/2019		
				3057	3057	July	August	September	October	November	2958	December
Category	Parameter	Unit	Daily Limit	Sample	Sample	Average	Average	Average	Average	Average	SMR	Average
Flow, pH, and Temperature	Flow	GPD				71988	74550	76907	76326	64056		61605
	pH	pH Units	5.5 - 11.8	11.3							11.05	
	Temperature	°F	120	103							98.6	
BTEX	Benzene	mg/L		0.0022 U								
	Ethylbenzene	mg/L		0.0032 U								
	m,p-Xylene	mg/L		0.0084 U								
	o-Xylene	mg/L		0.0026 U								
	Toluene	mg/L		0.0054 U								
Conventionals	Cyanide, Total	mg/L	.64		0.01 U							
HPAHs	Benzo(a)anthracene	mg/L			0.0013 U							
	Benzo(a)pyrene	mg/L			0.0017 U							
	Benzo(b,k)fluoranthene	mg/L			0.0025 U							
	Benzo(g,h,i)perylene	mg/L			0.0016 U							
	Chrysene	mg/L			0.0013 U							
	Dibenz(a,h)anthracene	mg/L			0.0018 U							
	Fluoranthene	mg/L			0.0008 U							
	Indeno(1,2,3-cd)pyrene	mg/L			0.0017 U							
	Pyrene	mg/L			0.0014 U							
LPAHs	Acenaphthene	mg/L			0.0013 U							
	Acenaphthylene	mg/L			0.0013 U							
	Anthracene	mg/L			0.0012 U							
	Fluorene	mg/L			0.0014 U							
	Naphthalene	mg/L			0.0013 U							
	Phenanthrene	mg/L			0.0012 U							
Metals	Antimony	mg/L										
	Arsenic	mg/L	0.1		0.00101							
	Beryllium	mg/L										
	Cadmium	mg/L	0.25		0.00012 U							
	Chromium	mg/L	1		0.0219							
	Copper	mg/L	1		0.0966							
	Lead	mg/L	0.4		0.00293							
	Mercury	mg/L	0.05		2E-05 U							
	Molybdenum	mg/L	1		0.0004 U							

C-31 Tomlinson Linen
2019 Compliance Comparison

				July		August	September	October	November	December		
				7/16/2019	7/17/2019					12/4/2019		
				3057	3057	July	August	September	October	November	2958	December
Category	Parameter	Unit	Daily Limit	Sample	Sample	Average	Average	Average	Average	Average	SMR	Average
Metals	Nickel	mg/L	1		0.00895							
	Selenium	mg/L	0.1		0.00013 U							
	Silver	mg/L	0.2		0.00016 U							
	Thallium	mg/L										
	Tin	mg/L			0.00109 U							
	Zinc	mg/L	2		0.180							
Phenols	Pentachlorophenol	mg/L			0.0083 U							
	Phenol	mg/L			0.0023 U							
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L			0.12							
	Butyl benzyl phthalate	mg/L			0.0018 U							
	Diethyl phthalate	mg/L			0.0026 U							
	Dimethyl phthalate	mg/L			0.0012 U							
	Di-n-butyl phthalate	mg/L			0.0025 U							
	Di-n-octyl phthalate	mg/L			0.0023 U							
SVOA	1,2,4-Trichlorobenzene	mg/L			0.0016 U							
	1,2-Diphenylhydrazine	mg/L			0.0016 U							
	2,2'-oxybis(1-chloropropane)	mg/L			0.0014 U							
	2,3-Dichloroaniline	mg/L			0.0014 U							
	2,4,6-Trichlorophenol	mg/L			0.0019 U							
	2,4-Dichlorophenol	mg/L			0.0018 U							
	2,4-Dimethylphenol	mg/L			0.0034 U							
	2,4-Dinitrophenol	mg/L			0.037 U							

C-31 Tomlinson Linen
2019 Compliance Comparison

				July		August	September	October	November	December		
				7/16/2019	7/17/2019					12/4/2019		
				3057	3057	July	August	September	October	November	2958	December
Category	Parameter	Unit	Daily Limit	Sample	Sample	Average	Average	Average	Average	Average	SMR	Average
SVOA	2,4-Dinitrotoluene	mg/L			0.0025 U							
	2,6-Dinitrotoluene	mg/L			0.0027 U							
	2-Chloronaphthalene	mg/L			0.0013 U							
	2-Chlorophenol	mg/L			0.0017 U							
	2-Methyl-4,6-dinitrophenol	mg/L			0.003 U							
	2-Methylphenol (o-Cresol)	mg/L			0.0013 U							
	2-Nitrophenol	mg/L			0.0024 U							
	3 & 4-Methylphenol(p-cresol)	mg/L			0.0011 U							
	3,3'-Dichlorobenzidine	mg/L			0.0015 U							
	4-Bromophenyl phenyl ether	mg/L			0.0015 U							
	4-Chloro-3-Methylphenol	mg/L			0.0018 U							
	4-Chlorophenyl phenyl ether	mg/L			0.0015 U							
	4-Nitrophenol	mg/L			0.0092 U							
	Acetophenone	mg/L			0.0042 U							
	Aniline	mg/L			0.0013 U							
	Benzidine	mg/L			0.023 U							
	Bis(2-chloroethoxy) methane	mg/L			0.0013 U							
Bis(2-chloroethyl) ether	mg/L			0.0013 U								
Carbazole	mg/L			0.001 U								
Hexachlorobenzene	mg/L			0.0014 U								
Hexachlorobutadiene	mg/L			0.0017 U								

C-31 Tomlinson Linen
2019 Compliance Comparison

				July		August	September	October	November	December		
				7/16/2019	7/17/2019					12/4/2019		
				3057	3057	July	August	September	October	November	2958	December
Category	Parameter	Unit	Daily Limit	Sample	Sample	Average	Average	Average	Average	Average	SMR	Average
SVOA	Hexachlorocyclopentadiene	mg/L			0.0022 U							
	Hexachloroethane	mg/L			0.0017 U							
	Isophorone	mg/L			0.0015 U							
	n-Decane	mg/L			0.32							
	Nitrobenzene	mg/L			0.0017 U							
	N-Nitrosodimethylamine	mg/L			0.0066 U							
	N-Nitroso-di-n-propylamine	mg/L			0.0013 U							
	N-Nitrosodiphenylamine	mg/L			0.0013 U							
	n-Octadecane	mg/L			0.012							
	Pyridine	mg/L			0.013 U							
TPH	SGT-HEM	mg/L	100	35.8							5.0 U	
Volatiles	1,1,1-Trichloroethane	mg/L		0.0056 U								
	1,1,2,2-Tetrachloroethane	mg/L		0.004 U								
	1,1,2-Trichloroethane	mg/L		0.003 U								
	1,1-Dichloroethane	mg/L		0.0036 U								
	1,1-Dichloroethene	mg/L		0.005 U								
	1,2-Dichlorobenzene	mg/L		0.0032 U								
	1,2-Dichloroethane	mg/L		0.003 U								
	1,2-Dichloropropane	mg/L		0.0026 U								
	1,3-Dichlorobenzene	mg/L		0.0036 U								

C-31 Tomlinson Linen
2019 Compliance Comparison

				July		August	September	October	November	December		
				7/16/2019	7/17/2019					12/4/2019		
				3057	3057	July	August	September	October	November	2958	December
Category	Parameter	Unit	Daily Limit	Sample	Sample	Average	Average	Average	Average	Average	SMR	Average
Volatiles	1,4-Dichlorobenzene	mg/L		0.0038 U								
	2-Chloroethyl vinyl ether	mg/L		0.0022 U								
	Acrolein	mg/L		0.03 U								
	Acrylonitrile	mg/L		0.028 U								
	Bromodichloromethane	mg/L		0.0034 U								
	Bromoform	mg/L		0.003 U								
	Bromomethane	mg/L		0.0076 U								
	Carbon Tetrachloride	mg/L		0.0034 U								
	Chlorobenzene	mg/L		0.0018 U								
	Chloroethane	mg/L		0.0024 U								
	Chloroform	mg/L		0.0026 U								
	Chloromethane	mg/L		0.0048 U								
	cis-1,3-Dichloropropene	mg/L		0.0018 U								
	Dibromochloromethane	mg/L		0.0024 U								
	Methylene Chloride	mg/L		0.0084 U								
	Styrene	mg/L		0.0026 U								
	Tetrachloroethene	mg/L		0.0036 U								
trans-1,2-Dichloroethene	mg/L		0.0036 U									
trans-1,3-Dichloropropene	mg/L		0.0024 U									
Trichloroethene	mg/L		0.003 U									
Trichlorofluoromethane	mg/L		0.003 U									
Vinyl Chloride	mg/L		0.003 U									

Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.

Table C-32 Truck Rail Handling
2019 Compliance Comparison

				January	February		April		June			July
				1/3/2019	2/28/2019		4/1/2019		6/12/2019			7/3/2019
				1400	2826	1261	3184	1257	1401	1257	1261	1414
Category	Parameter	Unit	Daily Limit	Sample	Sample	SMR	Sample	SMR	Sample	SMR	SMR	Sample
Flow, pH, and Temperature	Flow	Gallon	25			30,000		30000		30000	30,000	
	pH	pH Units	5.5 - 11	9.58	8.17	7.0	9.21	9.8	8.14	7.3	7.0	7.80
	Temperature	°F		44.4	40.1		56.5					70.0
BTEX	Benzene	mg/L		0.0022 U	0.004 U		0.0022 U		0.0022 U			0.0022 U
	BTEX	mg/L	10	0.0352	0.0244		0.0462		0.0462			0.0462
	Ethylbenzene	mg/L		0.0032 U	0.004 U		0.0032 U		0.0032 U			0.0032 U
	m,p-Xylene	mg/L		0.0084 U	0.0084 U		0.0084 U		0.0084 U			0.0084 U
	o-Xylene	mg/L		0.016	0.004 U		0.0026 U		0.0026 U			0.0026 U
	Toluene	mg/L		0.0054 U	0.004 U		0.0054 U		0.0054 U			0.0054 U
Conventionals	Cyanide, Total	mg/L		0.005 U	0.005 U		0.005 U		0.005 U			0.005 U
	Phenols, Total	mg/L		0.013 U								
HPAHs	Benzo(a)anthracene	mg/L		0.0012 U	0.0011 U		0.0012 U		0.0012 U			0.0012 U
	Benzo(a)pyrene	mg/L		0.0016 U	0.0015 U		0.0015 U		0.0015 U			0.0016 U
	Benzo(b,k)fluoranthene	mg/L		0.0024 U	0.0023 U		0.0023 U		0.0023 U			0.0024 U
	Benzo(g,h,i)perylene	mg/L		0.0015 U	0.0014 U		0.0015 U		0.0015 U			0.0015 U
	Chrysene	mg/L		0.0012 U	0.0011 U		0.0012 U		0.0012 U			0.0012 U
	Dibenz(a,h)anthracene	mg/L		0.0017 U	0.0017 U		0.0017 U		0.0017 U			0.0017 U
	Fluoranthene	mg/L		0.0008 U	0.0008 U		0.0008 U		0.0008 U			0.0008 U
	Indeno(1,2,3-cd)pyrene	mg/L		0.0016 U	0.0015 U		0.0015 U		0.0016 U			0.0016 U
LPAHs	Pyrene	mg/L		0.0013 U	0.0013 U		0.0013 U		0.0013 U			0.0013 U
	Acenaphthene	mg/L		0.0013 U	0.0012 U		0.0012 U		0.0013 U			0.0013 U
	Acenaphthylene	mg/L		0.0013 U	0.0012 U		0.0012 U		0.0013 U			0.0013 U
	Anthracene	mg/L		0.0011 U	0.0011 U		0.0011 U		0.0011 U			0.0011 U
	Fluorene	mg/L		0.0013 U	0.0013 U		0.0013 U		0.0013 U			0.0013 U
	Naphthalene	mg/L		0.0013 U	0.0012 U		0.0012 U		0.0013 U			0.0013 U
Metals	Phenanthrene	mg/L		0.0011 U	0.0011 U		0.0011 U		0.0011 U			0.0011 U
	Antimony	mg/L		0.000916								
	Arsenic	mg/L	0.1	0.000845	0.0001 U		0.00117		0.0001 U			0.0001 U
	Beryllium	mg/L		0.000052 U								
	Cadmium	mg/L	0.25	0.00006 U	0.00012 U		0.00012 U		0.00012 U			0.00012 U
	Chromium	mg/L	1	0.00436	0.00238		0.0023 U		0.00238			0.0023 U
	Cobalt	mg/L		0.000680								
	Copper	mg/L	1	0.00877	0.00295		0.00861		0.00326			0.0142
	Lead	mg/L	0.4	0.00183	0.0001 U		0.00159		0.0001 U			0.00223
	Mercury	mg/L	0.05	0.000021 U	0.000021 U		0.000021 U		0.000021 U			0.000021 U
	Molybdenum	mg/L	1	0.00556	0.00153		0.00609		0.00269			0.00274
Nickel	mg/L	1	0.00357	0.00195		0.00362		0.00229			0.00217	
Selenium	mg/L	0.1	0.000126 U	0.00013 U		0.00013 U		0.00013 U			0.00013 U	

Table C-32 Truck Rail Handling
2019 Compliance Comparison

				January	February		April		June			July
				1/3/2019	2/28/2019		4/1/2019		6/12/2019			7/3/2019
				1400	2826	1261	3184	1257	1401	1257	1261	1414
Category	Parameter	Unit	Daily Limit	Sample	Sample	SMR	Sample	SMR	Sample	SMR	SMR	Sample
Metals	Silver	mg/L	0.2	0.000158 U	0.00016 U		0.00016 U		0.00016 U			0.00016 U
	Thallium	mg/L		0.000558								
	Zinc	mg/L	2	0.0530	0.0204		0.0495		0.0127			0.0622
Phenols	Pentachlorophenol	mg/L		0.0079 U	0.0076 U		0.0077 U		0.0078 U			0.0079 U
	Phenol	mg/L		0.0021 U	0.002 U		0.0021 U		0.0021 U			0.0021 U
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L		0.0013 U	0.0012 U		0.0012 U		0.0013 U			0.0013 U
	Butyl benzyl phthalate	mg/L		0.0017 U	0.0016 U		0.0016 U		0.0016 U			0.0017 U
	Diethyl phthalate	mg/L		0.0024 U	0.0023 U		0.0024 U		0.0024 U			0.0024 U
	Dimethyl phthalate	mg/L		0.0011 U	0.0011 U		0.0011 U		0.0011 U			0.0011 U
	Di-n-butyl phthalate	mg/L		0.0024 U	0.0023 U		0.0023 U		0.0023 U			0.0024 U
	Di-n-octyl phthalate	mg/L		0.0021 U	0.002 U		0.0021 U		0.0021 U			0.0021 U
SVOA	1,2,4-Trichlorobenzene	mg/L		0.0015 U	0.0014 U		0.0015 U		0.0015 U			0.0015 U
	1,2-Diphenylhydrazine	mg/L		0.0015 U	0.0014 U		0.0015 U		0.0015 U			0.0015 U
	2,2'-oxybis(1-chloropropane)	mg/L		0.0013 U	0.0013 U		0.0013 U		0.0013 U			0.0013 U
	2,3-Dichloroaniline	mg/L			0.0013 U		0.0013 U		0.0013 U			0.0013 U
	2,4,6-Trichlorophenol	mg/L		0.0018 U	0.0017 U		0.0018 U		0.0018 U			0.0018 U
	2,4-Dichlorophenol	mg/L		0.0017 U	0.0017 U		0.0017 U		0.0017 U			0.0017 U
	2,4-Dimethylphenol	mg/L		0.0032 U	0.0031 U		0.0032 U		0.0032 U			0.0032 U
	2,4-Dinitrophenol	mg/L		0.035 U	0.033 U		0.034 U		0.034 U			0.035 U
	2,4-Dinitrotoluene	mg/L		0.0024 U	0.0023 U		0.0023 U		0.0023 U			0.0024 U
	2,6-Dinitrotoluene	mg/L		0.0025 U	0.0024 U		0.0025 U		0.0025 U			0.0025 U
	2-Chloronaphthalene	mg/L		0.0012 U	0.0011 U		0.0012 U		0.0012 U			0.0012 U
	2-Chlorophenol	mg/L		0.0016 U	0.0015 U		0.0015 U		0.0016 U			0.0016 U
	2-Methyl-4,6-dinitrophenol	mg/L		0.0028 U	0.0027 U		0.0028 U		0.0028 U			0.0028 U
	2-Methylphenol (o-Cresol)	mg/L			0.0012 U		0.0012 U		0.0013 U			0.0013 U
	2-Nitrophenol	mg/L		0.0023 U	0.0022 U		0.0022 U		0.0023 U			0.0023 U
	3 & 4-Methylphenol(p-cresol)	mg/L			0.001 U		0.001 U		0.001 U			0.001 U
	3,3'-Dichlorobenzidine	mg/L		0.0014 U	0.0014 U		0.0014 U		0.0014 U			0.0014 U
	4-Bromophenyl phenyl ether	mg/L		0.0014 U	0.0014 U		0.0014 U		0.0014 U			0.0014 U
	4-Chloro-3-Methylphenol	mg/L		0.0017 U	0.0017 U		0.0017 U		0.0017 U			0.0017 U
	4-Chlorophenyl phenyl ether	mg/L		0.0014 U	0.0014 U		0.0014 U		0.0014 U			0.0014 U
4-Nitrophenol	mg/L		0.0087 U	0.0083 U		0.0085 U		0.0086 U			0.0087 U	
Acetophenone	mg/L		0.0039 U	0.0038 U		0.0038 U		0.0039 U			0.0039 U	

Table C-32 Truck Rail Handling
2019 Compliance Comparison

				January	February		April		June			July
				1/3/2019	2/28/2019		4/1/2019		6/12/2019			7/3/2019
				1400	2826	1261	3184	1257	1401	1257	1261	1414
Category	Parameter	Unit	Daily Limit	Sample	Sample	SMR	Sample	SMR	Sample	SMR	SMR	Sample
SVOA	Aniline	mg/L			0.0011 U		0.0012 U		0.0012 U			0.0012 U
	Benzidine	mg/L		0.021 U	0.021 U		0.021 U		0.021 U			0.021 U
	Bis(2-chloroethoxy) methane	mg/L		0.0013 U	0.0012 U		0.0012 U		0.0013 U			0.0013 U
	Bis(2-chloroethyl) ether	mg/L		0.0013 U	0.0012 U		0.0012 U		0.0013 U			0.0013 U
	Carbazole	mg/L			0.0009 U		0.0009 U		0.0009 U			0.0009 U
	Hexachlorobenzene	mg/L		0.0013 U	0.0013 U		0.0013 U		0.0013 U			0.0013 U
	Hexachlorobutadiene	mg/L		0.0016 U	0.0015 U		0.0015 U		0.0016 U			0.0016 U
	Hexachlorocyclopentadiene	mg/L		0.002 U	0.002 U		0.002 U		0.002 U			0.002 U
	Hexachloroethane	mg/L		0.0016 U	0.0015 U		0.0015 U		0.0016 U			0.0016 U
	Isophorone	mg/L		0.0014 U	0.0014 U		0.0014 U		0.0014 U			0.0014 U
	n-Decane	mg/L			0.0033 U		0.0034 U		0.0034 U			0.0035 U
	Nitrobenzene	mg/L		0.0016 U	0.0015 U		0.0015 U		0.0016 U			0.0016 U
	N-Nitrosodimethylamine	mg/L		0.0062 U	0.006 U		0.0061 U		0.0062 U			0.0062 U
	N-Nitroso-di-n-propylamine	mg/L		0.0012 U	0.0011 U		0.0012 U		0.0012 U			0.0012 U
	N-Nitrosodiphenylamine	mg/L		0.0012 U	0.0011 U		0.0012 U		0.0012 U			0.0012 U
	n-Octadecane	mg/L			0.0023 U		0.0024 U		0.0024 U			0.0024 U
Pyridine	mg/L			0.011 U		0.012 U		0.012 U			0.012 U	
TPH	SGT-HEM	mg/L	50	1.7 U	1.7 U	5.2	1.7 U	5.3		5.2	5.3	7.2
Volatiles	1,1,1-Trichloroethane	mg/L		0.0056 U	0.002 U		0.0056 U		0.0056 U			0.0056 U
	1,1,2,2-Tetrachloroethane	mg/L		0.004 U	0.004 U		0.004 U		0.004 U			0.004 U
	1,1,2-Trichloroethane	mg/L		0.003 U	0.01 U		0.003 U		0.003 U			0.003 U
	1,1-Dichloroethane	mg/L		0.0036 U	0.002 U		0.0036 U		0.0036 U			0.0036 U
	1,1-Dichloroethene	mg/L		0.005 U	0.004 U		0.005 U		0.005 U			0.005 U
	1,2-Dichlorobenzene	mg/L		0.0032 U	0.004 U		0.0032 U		0.0032 U			0.0032 U
	1,2-Dichloroethane	mg/L		0.003 U	0.004 U		0.003 U		0.003 U			0.003 U
	1,2-Dichloropropane	mg/L		0.0026 U	0.002 U		0.0026 U		0.0026 U			0.0026 U
	1,3-Dichlorobenzene	mg/L		0.0036 U	0.004 U		0.0036 U		0.0036 U			0.0036 U
	1,4-Dichlorobenzene	mg/L		0.0038 U	0.004 U		0.0038 U		0.0038 U			0.0038 U
	2-Chloroethyl vinyl ether	mg/L		0.0022 U	0.0022 U		0.0022 U		0.0022 U			0.0022 U
	Acrolein	mg/L		0.03 U	0.04 U		0.03 U		0.03 U			0.03 U
	Acrylonitrile	mg/L		0.028 U	0.04 U		0.028 U		0.028 U			0.028 U
	Bromodichloromethane	mg/L		0.0034 U	0.004 U		0.0034 U		0.0034 U			0.0034 U
	Bromoform	mg/L		0.003 U	0.004 U		0.003 U		0.003 U			0.003 U
	Bromomethane	mg/L		0.0076 U	0.01 U		0.0076 U		0.0076 U			0.0076 U
	Carbon Tetrachloride	mg/L		0.0034 U	0.004 U		0.0034 U		0.0034 U			0.0034 U
	Chlorobenzene	mg/L		0.0018 U	0.004 U		0.0018 U		0.0018 U			0.0018 U
	Chloroethane	mg/L		0.0024 U	0.006 U		0.0024 U		0.0024 U			0.0024 U
Chloroform	mg/L		0.0026 U	0.004 U		0.0026 U		0.0026 U			0.0026 U	
Chloromethane	mg/L		0.0048 U	0.004 U		0.0048 U		0.0048 U			0.0048 U	

Table C-32 Truck Rail Handling
2019 Compliance Comparison

				January	February		April		June			July
				1/3/2019	2/28/2019		4/1/2019		6/12/2019			7/3/2019
				1400	2826	1261	3184	1257	1401	1257	1261	1414
Category	Parameter	Unit	Daily Limit	Sample	Sample	SMR	Sample	SMR	Sample	SMR	SMR	Sample
Volatiles	cis-1,3-Dichloropropene	mg/L		0.0018 U	0.004 U		0.0018 U		0.0018 U			0.0018 U
	Dibromochloromethane	mg/L		0.0024 U	0.004 U		0.0024 U		0.0024 U			0.0024 U
	Methylene Chloride	mg/L		0.0084 U	0.006 U		0.0084 U		0.0084 U			0.0084 U
	Styrene	mg/L		0.0026 U	0.004 U		0.0026 U		0.0026 U			0.0026 U
	Tetrachloroethene	mg/L		0.0036 U	0.004 U		0.0036 U		0.0036 U			0.0036 U
	trans-1,2-Dichloroethene	mg/L		0.0036 U	0.004 U		0.0036 U		0.0036 U			0.0036 U
	trans-1,3-Dichloropropene	mg/L		0.0024 U	0.004 U		0.0024 U		0.0024 U			0.0024 U
	Trichloroethene	mg/L		0.003 U	0.004 U		0.003 U		0.003 U			0.003 U
	Trichlorofluoromethane	mg/L		0.003 U	0.004 U		0.003 U		0.003 U			0.003 U
Vinyl Chloride	mg/L		0.003 U	0.004 U		0.003 U		0.003 U			0.003 U	

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UJ - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

Table C-32 Truck Rail Handling
2019 Compliance Comparison

				September		December	
				9/13/2019		12/10/2019	12/19/2019
				3508	1258	1257	1262
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	SMR
Flow, pH, and Temperature	Flow	Gallon	25		30,000	30,000	30,000
	pH	pH Units	5.5 - 11	7.02	7.5	6.2	7.0
	Temperature	°F		69.1			
BTEX	Benzene	mg/L		0.0022 U			
	BTEX	mg/L	10	0.0462			
	Ethylbenzene	mg/L		0.0032 U			
	m,p-Xylene	mg/L		0.0084 U			
	o-Xylene	mg/L		0.0026 U			
	Toluene	mg/L		0.0054 U			
Conventionals	Cyanide, Total	mg/L		0.005 U			
	Phenols, Total	mg/L					
HPAHs	Benzo(a)anthracene	mg/L					
	Benzo(a)pyrene	mg/L					
	Benzo(b,k)fluoranthene	mg/L					
	Benzo(g,h,i)perylene	mg/L					
	Chrysene	mg/L					
	Dibenz(a,h)anthracene	mg/L					
	Fluoranthene	mg/L					
	Indeno(1,2,3-cd)pyrene	mg/L					
LPAHs	Pyrene	mg/L					
	Acenaphthene	mg/L					
	Acenaphthylene	mg/L					
	Anthracene	mg/L					
	Fluorene	mg/L					
	Naphthalene	mg/L					
Metals	Phenanthrene	mg/L					
	Antimony	mg/L					
	Arsenic	mg/L	0.1	0.00111			
	Beryllium	mg/L					
	Cadmium	mg/L	0.25	0.00012 U			
	Chromium	mg/L	1	0.0023 U			
	Cobalt	mg/L					
	Copper	mg/L	1	0.0175			
	Lead	mg/L	0.4	0.00191			
	Mercury	mg/L	0.05	0.000021 U			
	Molybdenum	mg/L	1	0.00349			
	Nickel	mg/L	1	0.00866			
Selenium	mg/L	0.1	0.00013 U				

Table C-32 Truck Rail Handling
2019 Compliance Comparison

				September		December	
				9/13/2019		12/10/2019	12/19/2019
				3508	1258	1257	1262
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	SMR
Metals	Silver	mg/L	0.2	0.00016 U			
	Thallium	mg/L					
	Zinc	mg/L	2	0.0693			
Phenols	Pentachlorophenol	mg/L					
	Phenol	mg/L					
Phthalates	Bis(2-ethylhexyl) phthalate	mg/L					
	Butyl benzyl phthalate	mg/L					
	Diethyl phthalate	mg/L					
	Dimethyl phthalate	mg/L					
	Di-n-butyl phthalate	mg/L					
	Di-n-octyl phthalate	mg/L					
SVOA	1,2,4-Trichlorobenzene	mg/L					
	1,2-Diphenylhydrazine	mg/L					
	2,2'-oxybis(1-chloropropane)	mg/L					
	2,3-Dichloroaniline	mg/L					
	2,4,6-Trichlorophenol	mg/L					
	2,4-Dichlorophenol	mg/L					
	2,4-Dimethylphenol	mg/L					
	2,4-Dinitrophenol	mg/L					
	2,4-Dinitrotoluene	mg/L					
	2,6-Dinitrotoluene	mg/L					
	2-Chloronaphthalene	mg/L					
	2-Chlorophenol	mg/L					
	2-Methyl-4,6-dinitrophenol	mg/L					
	2-Methylphenol (o-Cresol)	mg/L					
	2-Nitrophenol	mg/L					
	3 & 4-Methylphenol(p-cresol)	mg/L					
	3,3'-Dichlorobenzidine	mg/L					
	4-Bromophenyl phenyl ether	mg/L					
	4-Chloro-3-Methylphenol	mg/L					
	4-Chlorophenyl phenyl ether	mg/L					
4-Nitrophenol	mg/L						
Acetophenone	mg/L						

Table C-32 Truck Rail Handling
2019 Compliance Comparison

				September		December	
				9/13/2019		12/10/2019	12/19/2019
				3508	1258	1257	1262
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	SMR
SVOA	Aniline	mg/L					
	Benzidine	mg/L					
	Bis(2-chloroethoxy) methane	mg/L					
	Bis(2-chloroethyl) ether	mg/L					
	Carbazole	mg/L					
	Hexachlorobenzene	mg/L					
	Hexachlorobutadiene	mg/L					
	Hexachlorocyclopentadiene	mg/L					
	Hexachloroethane	mg/L					
	Isophorone	mg/L					
	n-Decane	mg/L					
	Nitrobenzene	mg/L					
	N-Nitrosodimethylamine	mg/L					
	N-Nitroso-di-n-propylamine	mg/L					
	N-Nitrosodiphenylamine	mg/L					
n-Octadecane	mg/L						
Pyridine	mg/L						
TPH	SGT-HEM	mg/L	50	2 U	5.4	4.7 U	5.4
Volatiles	1,1,1-Trichloroethane	mg/L		0.0056 U			
	1,1,2,2-Tetrachloroethane	mg/L		0.004 U			
	1,1,2-Trichloroethane	mg/L		0.003 U			
	1,1-Dichloroethane	mg/L		0.0036 U			
	1,1-Dichloroethene	mg/L		0.005 U			
	1,2-Dichlorobenzene	mg/L		0.0032 U			
	1,2-Dichloroethane	mg/L		0.003 U			
	1,2-Dichloropropane	mg/L		0.0026 U			
	1,3-Dichlorobenzene	mg/L		0.0036 U			
	1,4-Dichlorobenzene	mg/L		0.0038 U			
	2-Chloroethyl vinyl ether	mg/L		0.0022 U			
	Acrolein	mg/L		0.03 U			
	Acrylonitrile	mg/L		0.028 U			
	Bromodichloromethane	mg/L		0.0034 U			
	Bromoform	mg/L		0.003 U			
	Bromomethane	mg/L		0.0076 U			
	Carbon Tetrachloride	mg/L		0.0034 U			
	Chlorobenzene	mg/L		0.0018 U			
	Chloroethane	mg/L		0.0024 U			
Chloroform	mg/L		0.0026 U				
Chloromethane	mg/L		0.0048 U				

Table C-32 Truck Rail Handling
2019 Compliance Comparison

				September		December	
				9/13/2019		12/10/2019	12/19/2019
				3508	1258	1257	1262
Category	Parameter	Unit	Daily Limit	Sample	SMR	SMR	SMR
Volatiles	cis-1,3-Dichloropropene	mg/L		0.0018 U			
	Dibromochloromethane	mg/L		0.0024 U			
	Methylene Chloride	mg/L		0.0084 U			
	Styrene	mg/L		0.0026 U			
	Tetrachloroethene	mg/L		0.0036 U			
	trans-1,2-Dichloroethene	mg/L		0.0036 U			
	trans-1,3-Dichloropropene	mg/L		0.0024 U			
	Trichloroethene	mg/L		0.003 U			
	Trichlorofluoromethane	mg/L		0.003 U			
Vinyl Chloride	mg/L		0.003 U				

*Bold - The analyte was present in the sample.
U - Analyte not detected at or above the associated value.
UU - Analyte not detected at or above the associated estimated value.
J - The result is an estimated concentration.*

APPENDIX D
ORDINANCE AND RESOLUTIONS – TACOMA MUNICIPAL
CODE, CHAPTER 12.08

CHAPTER 12.08

WASTEWATER AND SURFACE WATER MANAGEMENT – REGULATION AND RATES⁵

Sections:

- 12.08.005 Purpose and policy.
- 12.08.007 Applicability and administration.
- 12.08.010 Definitions.
- 12.08.020 Prohibitions on discharges – Sanitary.
- 12.08.030 Prohibitions on storm drainage, ground water and unpolluted water – Sanitary.
- 12.08.040 Limitations on wastewater strength.
- 12.08.050 Limitations on radioactive wastes.
- 12.08.060 Limitations on the use of garbage grinders.
- 12.08.070 Limitations on point of discharge.
- 12.08.080 Prohibited, allowable, and conditional discharges – Storm.
- 12.08.090 Stormwater program requirements.
- 12.08.095 Exceptions procedure.
- 12.08.100 Sampling and testing of wastewater.
- 12.08.130 Pretreatment of commercial and/or industrial wastewater.
- 12.08.140 Industrial wastewater discharge permits.
- 12.08.150 Reporting requirements for wastewater permittee.
- 12.08.160 Wastewater monitoring facilities.
- 12.08.170 Confidential information.
- 12.08.180 Emergency suspension of service and revocation of discharge permits.
- 12.08.190 Prohibited practices; termination of treatment services.
- 12.08.200 Enforcement procedures.
- 12.08.210 Duty to reapply.
- 12.08.220 Operating upsets.
- 12.08.230 Accidental discharges – Spills.
- 12.08.240 Records retention.
- 12.08.300 Holding tank waste.
- 12.08.310 Designation of places and manner of discharge of holding tank contents.
- 12.08.320 Discharge of holding tank contents – Charges – Report.
- 12.08.330 Sanitary sewage from outside the City.
- 12.08.340 Charges and rates for direct wastewater services for properties outside the City.
- 12.08.350 Connection Charge-in-lieu-of-Assessment.
- 12.08.360 Charges and rates for wastewater service inside the City limits.
- 12.08.362 Charges for fixed-term discharges to the sanitary sewer of effluent from groundwater pump-and-treat systems.
- 12.08.365 Charges for special approved discharges.
- 12.08.368 Charges for TAGRO.
- 12.08.370 Classification of users of sanitary sewers.
- 12.08.380 Types of Charges and Fees Relating to Use of Sanitary Sewers.
- 12.08.390 Basis for determination of commercial/industrial charges for use of wastewater system by monitored users.
- 12.08.400 Charge for Commercial/Industrial Wastewater User Groups.
- 12.08.410 *Repealed.*
- 12.08.420 Water source.
- 12.08.430 Reconsideration of wastewater rates.
- 12.08.440 Regular review of wastewater and surface water rates.
- 12.08.450 New services – Rates.
- 12.08.460 Minimum charge.
- 12.08.470 Unlawful installations.
- 12.08.500 Surface water rates and charges.
- 12.08.510 Billing for storm and surface water sewerage charges.
- 12.08.520 Reconsideration of storm and surface water sewerage charges.
- 12.08.530 Exclusions of certain properties from storm and surface water sewerage charges.
- 12.08.540 Organized drainage or drainage improvement districts.
- 12.08.550 *Repealed.*

⁵ Disposal systems, installation and connection – See Section 2.12.040. Authority to operate – See RCW 80.40.020 and 35.21.210.

- 12.08.560 Low impact development surface water rate reduction.
- 12.08.600 Billing periods, payments, and collections.
- 12.08.610 Property owner liability – Supplemental charges.
- 12.08.620 Contracts with the state, sewer or water districts and other municipal corporations.
- 12.08.630 Sewer fund created.
- 12.08.640 Environmental Services Conservation Loan Program.
- 12.08.650 *Repealed.*
- 12.08.660 *Repealed.*
- 12.08.670 Violation – Penalties.
- 12.08.675 Notice of violation – Civil penalties.
- 12.08.677 Dischargers in significant noncompliance.
- 12.08.678 Appeals of orders, requirements, decisions and determinations.
- 12.08.680 Severability – Saving.
- 12.08.700 Utility Reimbursement Agreements Wastewater and Surface Water Utility Improvements.
- 12.08.720 Side Sewer Condition Education Requirement.
- 12.08.740 Side Sewer and Sanitary Sewer Availability Manual.
- 12.08.870 Payment In-Lieu-of Construction Program.

12.08.005 Purpose and policy.

Pursuant to the authority conferred by RCW 90.48, this chapter sets forth uniform requirements for users of the Publicly Owned Treatment Works (POTW) and the storm drainage system of the City of Tacoma, and allows the City to comply with all applicable state and federal laws including, but not limited to, the Clean Water Act, the General Pretreatment Regulations, 40 CFR Part 403, and the Stormwater Regulations in 40 CFR Parts 122, 123, and 124. The objectives of this chapter are to:

- A. Prevent the introduction of pollutants into the POTW that will interfere with the operation of the POTW, or otherwise be incompatible with the POTW;
- B. Prevent the introduction of pollutants into the POTW that will pass through the POTW inadequately treated, into receiving waters;
- C. Protect personnel who may be affected by wastewater and biosolids in the course of their employment, and to protect the general public;
- D. Ensure that the quality of POTW biosolids is maintained at a level that allows its use and disposal in compliance with applicable statutes and regulations;
- E. Improve the opportunity to recycle and reclaim wastewater and biosolids from the POTW;
- F. Support economic development with the establishment of a new program to support conservation of the municipal sewer system through economic incentives and technical assistance for wastewater source control and wastewater pretreatment processes;
- G. Fix the price of service for the City’s POTW;
- H. Fix the price of service for the City’s storm water system;
- I. Provide for the control of the quantity and quality of the water discharged into the municipal storm drainage system so as to comply with the City’s Stormwater Management Program, its NPDES permits, and applicable state and federal laws;
- J. Manage stormwater to minimize flooding, erosion, and contact with contaminants or pollutants; and to manage runoff from developed properties and construction sites;
- K. Encourage Low Impact Development (“LID”) as the preferred and commonly-used approach for stormwater management.
- L. Mitigate the impacts of increased runoff due to urbanization, correct or mitigate existing water quality problems related to stormwater, and to help restore and maintain the chemical, physical, and biological integrity of the City’s waters for the protection of beneficial uses, including salmon.

The purpose of this chapter is to provide for and promote the health, safety, and welfare of the general public. The provisions of this chapter shall be liberally construed to give full effect to the objectives and purposes for which it was enacted. Compliance with the provisions of this chapter and regulations and manuals referenced under this chapter does not necessarily mitigate all impacts to the environment. Compliance with this chapter and related regulations and manuals should not be construed as mitigating all stormwater impacts, and additional mitigation may be required to protect the environment. This chapter does not create or otherwise establish or designate any particular class or group of persons who will or should be

especially protected or benefited by the provisions of this chapter. The primary obligation for compliance with this chapter and for preventing environmental harm on or from property is placed upon responsible parties, as defined by this chapter.

(Ord. 28330 Ex. D; passed Nov. 24, 2015:Ord. 27003 § 1; passed Nov. 19, 2002: Ord. 25802 § 1; passed Dec. 5, 1995: Ord. 25587 § 1; passed Sept. 20, 1994)

12.08.007 Applicability and administration.

A. General. This chapter shall apply to all direct and indirect users of the City's Municipal Sewer System. The Director of the Environmental Services Department is hereby authorized and directed to enforce all provisions of this chapter. The Director shall have the authority to render interpretations of this chapter, and may adopt reasonable rules and administrative procedures to enforce the provisions of this chapter. Such interpretations, rules, and administrative procedures shall be in conformity with the intent and purposes of this chapter.

B. The Director may appoint such number of technical officers, inspectors, and other personnel as shall be authorized from time to time to implement the provisions of this chapter.

C. Inspections. All activities regulated by this chapter, except those exempted under TMC 12.08.090, are subject to inspection by the Director to determine that adequate control is being exercised, or to determine whether an approval is warranted. The Director may establish inspection programs to ensure compliance with the requirements of this chapter and to accomplish its purposes. Inspection programs may be established on any reasonable basis including, but not limited to, routine inspections, random inspections, inspections based upon complaints or other notice of possible violations, inspection of drainage basins or areas identified as higher than typical sources of sediment or other contaminants or pollutants, inspections of businesses or industries of a type associated with higher than usual discharges of contaminants or pollutants or with discharges of a type which are more likely than the typical discharge to cause violations of state or federal water or sediment quality standards or the City's NPDES Phase I Municipal Stormwater Permit, and joint inspections with other agencies inspecting under environmental or safety laws. Inspections may include, but are not limited to, reviewing maintenance and repair records; sampling discharges, surface water, and material or water in stormwater facilities; and evaluating the condition of stormwater facilities and other best management practices.

D. Right of Entry. Whenever necessary to make an inspection to enforce any of the provisions of this chapter or monitor for proper function of stormwater facilities, or whenever the Director or the Director's authorized representative has reasonable cause to believe that there exists in any building or upon any property any condition or violation of this chapter relating to the pollution or the possible pollution of any of the waters of the state, the Director or the Director's authorized representative may enter such building or premises at all reasonable times to inspect the same, collect samples, or to perform any duty imposed upon the Director by this chapter, provided that if such building or premises be occupied, the Director shall first present proper credentials and request entry; and if such building or premises be unoccupied, the Director shall first make a reasonable effort to locate the owner or other persons having charge or control of the building or premises and request entry. If such entry is refused, the Director shall have recourse to every remedy provided by law to secure entry.

E. Authority to Stop Work. Whenever work is being done that is contrary to the provisions of this chapter, or contrary to the provisions of plans, drawings, specifications, or calculations approved by the Director, then the Director may order the work stopped by notice in writing, served on those persons engaged in or causing the work to be done. Any such persons shall thereafter stop such work until authorized by the Director to proceed.

F. Violations. Violations of this chapter and/or any state and federal regulation the City is authorized to enforce under this chapter may be subject to the enforcement procedures set forth in Tacoma Municipal Code ("TMC") 12.08.200, assessment of supplemental charges under TMC 12.08.610, the penalty provisions of TMC 12.08.670, and the notification and civil penalty provisions set forth in TMC 12.08.675, and any other enforcement provisions authorized by this chapter.

G. Re-inspections. It shall be the duty of the owner or the owner's agent to notify the Director that violations have been corrected, and to request a re-inspection. The Director may require that such request for re-inspection be filed one working day before such inspection if desired. It shall be the duty of the owner or owner's agent to provide safe access to and means for inspection of any corrective work.

H. Plan Review, Approvals, and Permits. Permits for activities or projects regulated under this chapter may be issued pursuant to sections in this chapter, Title 2 and Title 13 of the Tacoma Municipal Code, or other relevant Tacoma Municipal Code authority. Prior to the commencement of work on any stormwater-related activities or projects regulated by this ordinance, plans shall be submitted to the Director for review and approval. The Director shall approve the plans where they show that adequate control is exercised. Approvals and permits granted under this chapter are not waivers of the requirements of any other laws, nor do they indicate compliance with any other laws. Compliance is still required with all applicable federal, state, and local laws and regulations including rules promulgated under authority of this chapter.

The requirements in this chapter are minimum requirements and do not replace, repeal, abrogate, supersede, or affect any other more stringent requirements, rules, regulations, covenants, standards, or restrictions. Where this chapter imposes requirements which are more protective of human health or the environment than those set forth elsewhere, the provisions of this chapter shall prevail.

I. Best Management Practices. Pursuant to the National Pollutant Discharge Elimination System (“NPDES”) Phase I Municipal Stormwater Permit issued by the Washington State Department of Ecology, the City is required to adopt and make effective a program to control the impacts of runoff from new development, redevelopment and construction activities. The Director is authorized to develop and update, as necessary, the City of Tacoma Stormwater Management Manual, hereinafter referred to as the “SWMM.” The Best Management Practices (hereinafter “BMPs”) that are set forth in the SWMM are intended to control the quality and quantity of stormwater that is or will contribute to the City’s municipal separate stormwater system (“MS4”) as the result of existing discharges and land uses, new development and redevelopment, construction activities, and stormwater maintenance activities.

J. Regulated Activities. This chapter regulates all direct and indirect discharges to receiving waters and the Municipal Sewer System, including discharges to privately owned catch basins which discharge directly or indirectly to receiving waters or the Municipal Sewer System, and any other direct or indirect discharge to receiving waters or the Municipal Sewer System from real property.

K. Exemptions. In addition to any exemption provided under TMC 12.08.090, development undertaken by the Washington State Department of Transportation in state highway rights-of-way is exempt from the requirements of TMC 12.08.090.D, except to the extent those requirements impose more stringent provisions as provided in Chapter 173-270 WAC, the Puget Sound Highway Runoff Program, and is subject to municipal and construction NPDES permits issued by the Department of Ecology. The Department of Transportation shall submit copies of plans for these exempt development activities to the Director.

(Ord. 28330 Ex. D; passed Nov. 24, 2015; Ord. 28093 Ex. E; passed Oct. 16, 2012; Ord. 27978 Ex. A; passed Apr. 26, 2011; Ord. 27538 § 1; passed Oct. 24, 2006; Ord. 27003 § 2; passed Nov. 19, 2002; Ord. 25802 § 2; passed Dec. 5, 1995; Ord. 25587 § 2; passed Sept. 20, 1994)

12.08.010 Definitions.

Words and phrases used in this chapter shall be interpreted as defined below. Where ambiguity exists, technical words or phrases shall be interpreted in accordance with the City’s SWMM; nontechnical words or phrases shall be given their dictionary meaning.

Any pretreatment limit or prohibitive standard (federal, state, and/or local) contained in this chapter deemed to be the most restrictive with which commercial/industrial users will be required to comply.

“Accessory Dwelling Unit (ADU).” A second subordinate dwelling unit located on the same lot as a single-family dwelling (hereinafter referred to as the “main dwelling”) and either within the same building as the main dwelling or in a detached building, with a provision for independent cooking, living, sanitation, and sleeping.

“AKART.” The application of all known, available, and reasonable methods of prevention, control, and treatment to storm and surface water and wastewater discharges as required by chapter 90.48. RCW.

“Approval.” The determination by the Director that the proposed or completed work or activity conforms to this chapter.

“Authorized representative of the user.”

1. If the user is a corporation:

- a. The president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or
- b. The manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000, if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

2. If the user is a partnership or sole proprietorship: a general partner or proprietor, respectively;

3. If the user is a federal, state, or local governmental facility: a director or highest official appointed or designated to oversee the operation and performance of the activities of the government facility, or his or her designee;

4. The individuals described in paragraphs 1 through 3 above may designate another authorized representative if the authorization is in writing, the authorization specifies the individual or position responsible for the overall operation of the

facility from which the discharge originates or having overall responsibility for environmental matters for the company, and the written authorization is submitted to the City.

“Availability.” Those premises which are determined per the Side Sewer and Sanitary Sewer Availability Manual to have a wastewater sewer available for connection to the premises.

“Basin Plan.” A plan to manage the quality and quantity of surface water or stormwater in a watershed or basin.

“Batch discharge.” Any single discharge that is specifically allowed under a wastewater permit or Special Approved Discharge authorization and requires the prior written approval of the Director before discharge to the sanitary sewer system may begin.

“Best Management Practices” or “BMPs.” Schedules of activities, prohibitions of practices, general good housekeeping practices, pollution prevention and education practices, maintenance procedures, and structural or managerial practices to prevent or reduce the discharge of pollutants directly or indirectly to stormwater, receiving waters, or stormwater conveyance systems. BMPs also include treatment practices, operation procedures, and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage. BMPs for stormwater management are listed and described in the City of Tacoma’s Stormwater Management Manual. The term “Best Management Practice” shall also include any City-approved schedule of activities, treatment practices, prohibitions of practices, maintenance procedures, and other management practices based on applicable Pretreatment Standards in 40 CFR Part 403, federal categorical effluent standards, local limits, and state and local laws which are implemented by a user to prevent pollutants from entering a facility’s waste stream and causing “interference” or “pass through,” as these terms are defined under 40 CFR Part 403.3 and TMC 12.08.010.

“BOD” (Biochemical Oxygen Demand). The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five days at 20 degrees centigrade, expressed in parts per million or milligrams per liter (mg/L) by weight, using “Standard Methods,” 17th Edition, or other approved methods in 40 CFR Part 136.

“Categorical pretreatment standards.” The limitations on pollutant discharges to Publicly Owned Treatment Works (POTWs) promulgated by the U.S. Environmental Protection Agency (USEPA) in accordance with Section 307 of the Clean Water Act (CWA), that apply to specified process wastewater of particular industrial categories (40 CFR Chapter I, Subchapter N, Parts 405-471 and amendments thereto).

“City.” The City of Tacoma, Washington, a municipal corporation organized and existing under and by virtue of the laws of the state of Washington. “Within the city” means within the City boundaries as now or hereafter constituted.

“Clean Water Act” or “CWA.” The Federal Water Pollution Control Act, as amended (33 USC 1251 et seq.).

“Color.” The optical density at the visual wave length of maximum absorption, relative to distilled water. One hundred percent (100%) transmittance is equivalent to zero (0.0) optical density.

“Commercial and/or industrial discharger (discharger/user).” Any nonresidential user who discharges an effluent into the Municipal Sewer System by any means including, but not limited to, pipes, conduits, pumping stations, force mains, tank trucks, constructed drainage ditches, surface water intercepting ditches, intercepting ditches, and all constructed devices and appliances appurtenant thereto, including over-land flow.

“Commercial and/or industrial waste.” Any liquid, solid, or gaseous substance, or combination thereof, resulting from or used in connection with any process of industry, manufacturing, commercial food processing, food service establishment, business, agriculture, trade or research including, but not limited to, development, recovering, or processing of natural resources, and leachate from landfills or other disposal sites.

“Director.” The Director of the Environmental Services Department of the City of Tacoma or his or her authorized representative.

“Discharger.” A “commercial and/or industrial discharger,” as defined in TMC 12.08.010, and shall also include any property owner, business owner, multi-family residential property owner, tenant, residential homeowner or homeowner’s association/representative group, or any other individual, company, or vessel residing and/or conducting business within Tacoma that discharges wastewater or stormwater directly or indirectly to Tacoma’s municipal sewer system and/or receiving waters.

“Domestic User (Residential User).” Any person who contributes, causes, or allows the contribution of wastewater into the (City) POTW that is of a similar volume and/or chemical makeup to that of a residential dwelling unit.

“Domestic waste.” Water carrying human wastes including kitchen wastes, bath wastes, and laundry wastes that are typical of residential discharges, but does not include industrial wastes. Domestic wastes may be discharged by residential users, and by commercial and/or industrial dischargers.

“Effluent Limit.” Any restriction, prohibition, or specification established under 40 CFR Part 403, Chapter 173.220 WAC, or Chapter 12.08 TMC that regulates the quantities, rates, percent removal, and/or concentrations of physical, chemical, or biological characteristics of wastes which are discharged into the Municipal Sewer System, including Best Management Practices for the prevention or control of such waste discharges.

“Emerging BMP.” A BMP that has not been tested and evaluated by the Department of Ecology in collaboration with local governments and technical experts.

“Erosion.” The wearing away of the land surface as a result of the movement of water, wind, ice, or any other means.

“Erosion and Sediment Control.” Any temporary or permanent measures taken to reduce erosion, control siltation and sedimentation, and ensure that sediment-laden water does not leave a given site.

“Excessive discharge.” Any wastewater released directly or indirectly to the Municipal Sewer System at a rate and/or concentration greater than that which has recently been monitored or would normally be expected from a classified commercial/industrial discharger.

“Food Service Establishment.” Any facility, which serves, prepares, processes, manufactures, or packages food for consumption such as a restaurant, commercial kitchen, caterer, hotel, school, hospital, detention facility, or care institution.

“Ground water.” Water in a saturated zone or stratum beneath the surface of the land or below a surface water body.

“Hard Surface.” An impervious surface, a permeable pavement or a vegetated roof.

“Illicit Connection.” Any connection to the City’s stormwater drainage system, identified by the Director, that could convey anything not composed entirely of surface water and stormwater directly to surface water, stormwater, or groundwater. Illicit connections are prohibited unless the connection conveys approved discharges, or conveys discharges pursuant to an NPDES permit (other than an NPDES stormwater permit), or State Waste Discharge Permit.

“Illicit Discharges.” Any direct or indirect non-stormwater discharge or spill to the City’s stormwater drainage system, ground water, or receiving waters within Tacoma city limits. Illicit discharges may also include, but are not limited to, discharges of industrial process water, discharges from sanitary sewer connections and interior floor drains, and discharges from car-washing activities and gray water systems.

“Impervious surface.” A non-vegetated surface area which either prevents or retards the entry of water into the soil mantle as under natural conditions prior to development, and/or a surface area which causes water to run off the surface in greater quantities or at an increased rate of flow from the flow present under natural conditions prior to development. Further definition may be found in the City’s SWMM.

“Industrial wastewater permit” (“wastewater permit”). A permit to discharge wastewater into the Municipal Sanitary Sewer System issued under the authority of this chapter which prescribes certain requirements and limitations.

“Interference.” A discharge which:

1. Alone or in conjunction with a discharge(s) from other sources, inhibits or disrupts the normal operation of the Municipal Sewer System; or
2. Causes a violation, or increases the magnitude of, or extends the duration of an existing violation, of any requirement of the City’s POTW-NPDES permit(s); or
3. Prevents the use or disposal of sewage sludge or biosolids in accordance with local, state, and federal regulations and any permits issued thereunder, including the Clean Water Act, Section 405; the Solid Waste Disposal Act (including Title II, also known as the Resource Recovery and Conservation Act, and any state regulations contained in any state sludge management plan); the Clean Air Act; the Toxic Substances Act; and the Marine Protection, Research and Sanctuaries Act.

“Land-disturbing activity.” Activity that results in a change in the existing soil cover (both vegetative and non-vegetative) and/or the existing soil topography. Land-disturbing activities include, but are not limited to, clearing, grading, filling, stockpiling, excavation, and land modification. Vegetation Maintenance practices, including landscape maintenance and gardening, are not considered land disturbing activity. Stormwater facility maintenance is not considered land disturbing activity if conducted according to established standards and procedures.

“Low Impact Development” or “LID.” A stormwater and land use management strategy that strives to mimic predisturbance hydrologic processes of infiltration, filtration, storage, evaporation, and transpiration by emphasizing conservation, use of onsite natural features, site planning, and distributed stormwater management practices that are integrated into a project design.

“Low Impact Development Best Management Practices” or “LID BMPs.” Distributed stormwater management practices, integrated into a project design that emphasize predisturbance hydrologic processes of infiltration, filtration, storage,

evaporation and transpiration. LID BMPs include, but are not limited to, bioretention, rain gardens, permeable pavements, roof downspout infiltration and dispersion, minimum excavation foundations, vegetated roofs, and water reuse.

“Low Impact Development Principles.” Land use management strategies that emphasize conservation, use of onsite natural features, and site planning to minimize impervious surfaces, native vegetation loss and stormwater runoff.

“Manual (Department of Ecology).” The manual refers to the latest version of the Washington State Department of Ecology’s Stormwater Management Manual for Western Washington (SWMMWW).

“Multiple-family residence” is any premise consisting of two or more living units served through a single water meter.

“Municipal Sewer System.” The system of conduits, pumps, treatment plants, structures, facilities and properties including, without limitation, all properties, interests, physical and intangible rights of every kind or nature owned or held by the City and all appurtenances thereto, however acquired, insofar as they relate to or concern drainage, transportation, storage or treatment, in any manner whatsoever, of waste matter or stormwater and surface water of any nature now or hereafter permitted by this chapter to enter the Municipal Sewer System. Sanitary sewers and storm drains, separately and in combination, are, without limitation, included in the Municipal Sewer System.

“New development.” Land-disturbing activities, including Class IV – general forest practices that are conversions from timber land to other uses; structural development including construction, installation, or expansion of a building or other structure; creation of hard surfaces; and subdivision and short subdivision of land as defined in RCW 58.17.020.

“New source.” Any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced after publication of proposed pretreatment standards under Section 307(c) of the Federal Water Pollution Control Act (FWPCA) which will be applicable to such sources if such standards are thereafter promulgated in accordance with that section, provided that:

1. The building, structure, facility or installation is constructed at a site at which no other source is located; or
2. The building, structure, facility or installation totally replaces the process or production equipment that causes the discharge of pollutants at an existing source; or
3. The production or wastewater-generating processes of the building, structure, facility, or installation are substantially independent of an existing source at the same site. In determining whether these are substantially independent, factors such as the extent to which the new facility is integrated with the existing plant, and the extent to which the new facility is engaged in the same general type of activity as the existing source, should be considered.

Construction on a site at which an existing source is located results in a modification rather than a new source if the construction does not create a new building, structure, facility, or installation meeting the criteria of paragraphs (2) or (3) above, but otherwise alters, replaces, or adds to existing process or production equipment.

Construction of a new source as defined under this section has commenced if the owner or operator has:

1. Begun, or caused to begin as part of a continuous on-site construction program:
 - a. Any placement, assembly, or installation of facilities or equipment, or
 - b. Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or
2. Entered into a binding contractual obligation for the purchase of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this section.

“New user.” A person that submits an application for and receives a new building permit from the City for a structure that will discharge wastewater to the Municipal Sewer System or any person who occupies an existing building and plans to discharge wastewater to such system. Any person that buys an existing facility that is discharging commercial and/or industrial wastewater will be considered an “existing user” if no significant changes are made in the manufacturing operation. The term “new user” shall not mean a “new source” or “existing source,” as defined in 40 CFR Part 403.3.

“Noncontact cooling water.” Water that does not mix, communicate with, or come into direct contact with any raw material, intermediate product, waste product, or finished product, and to which the only pollutant added is heat.

“North American Industry Classification System (NAICS) Code.” The NAICS, which replaces the Standard Industrial Classification (SIC) Code is an industrial classification scheme developed by the United States Office of Management and Budget used to classify business establishments for the collection, tabulation, presentation, and analysis of statistical data describing the U.S. economy.

“NPDES permit.” A permit issued to the City of Tacoma by the Department of Ecology under the National Pollutant Discharge Elimination System program. Examples of NPDES permits include a NPDES Waste Discharge Permit, a NPDES Municipal Stormwater General Permit, a NPDES Construction Stormwater General Permit, a NPDES Sand and Gravel General Permit, and an NPDES Industrial Stormwater General Permit.

“Open space parcel with forested land cover.” An undeveloped parcel of land where trees cover the majority of the land surface which is dedicated by deed or other instrument to remain in such condition and which reduces the quantity and improves the quality of stormwater collected by Tacoma’s municipal stormwater conveyance systems through infiltration, filtration, storage, evaporation and transpiration.

“Owner.” Any individual, corporation, or entity that holds the title to a real property as shown by the Pierce County Assessor’s records.

“Pass through.” A discharge which exits the POTW into waters of the United States in quantities or concentration which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW NPDES permit (including an increase in the magnitude or duration of a violation).

“Person.”

1. A natural person, including that person’s heirs, executors, administrators, and assigns;
2. A public or private corporation, co-partnership, association, or firm;
3. A government agency or any political subdivision; or
4. Any other entity whatsoever.

Singular includes plural; male includes female.

“pH.” The negative logarithm of the effective hydrogen-ion concentration or hydrogen activity in gram equivalents per liter used in expressing both acidity and alkalinity on a scale whose values run from 0 to 14, with 7 representing neutrality, numbers less than 7 increasing acidity, and numbers greater than 7 increasing alkalinity.

“Pollutant.” Any substance that is discharged to receiving waters or the Municipal Sewer System which is prohibited or limited by the requirements of this chapter. See TMC 12.08.020 through TMC 12.08.080.

“Premises.” A continuous tract of land, building, or group of adjacent buildings under a single control with respect to use of water and responsibility for payment therefor. Subdivision of such use or responsibility shall constitute a division into separate premises as herein defined, except where more than one dwelling is being served through the same water meter, in which case, each of said dwellings shall constitute a separate premises and shall be subject to the same separate charges as if separate single-family dwellings.

“Pretreatment.” The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into Tacoma’s POTW or Municipal Sanitary Sewer System. The reduction or alteration may be obtained by physical, chemical or biological processes, process changes, or by other means, except as prohibited by 40 CFR Part 403.6(d). Appropriate pretreatment technology includes control equipment, such as equalization tanks or facilities for protection against surges or slug loadings that might interfere with or otherwise be incompatible with the POTW. However, where wastewater from a regulated process is mixed in an equalization facility with unregulated wastewater or with wastewater from another regulated process, the effluent from the equalization facility must meet an adjusted pretreatment limit calculated in accordance with 40 CFR Part §403.6(e).

“Pretreatment requirements.” Any substantive or procedural requirement related to pretreatment other than a National Pretreatment Standard imposed on a Commercial and/or Industrial User.

“Pretreatment standard.” Any regulation containing pollutant limitations promulgated by the EPA in accordance with 33 U.S.C. § 1317(b) and (c) and 40 CFR Parts 401 through 471. The term “pretreatment standard” also includes any prohibited discharge standards, categorical pretreatment standards, BMPs, local limits established by the City, and Effluent Limits.

“Private side sewer.” The term private side sewer shall be defined according to TMC 12.08.720.

“POTW.” The Publicly Owned Treatment Works, which includes any devices and systems, owned by a state or municipality, used in the collection, transportation, storage, treatment, recycling, and reclamation of wastewater.

“Receiving Water(s).” The naturally and/or reconstructed naturally occurring surface water bodies, such as creeks, streams, rivers, lakes, wetlands, estuaries, and marine waters, or ground water, which receive stormwater drainage water from and/or within Tacoma city limits.

“Redevelopment.” On a site that is already substantially developed (defined as having 35% or more of existing hard surface coverage – when determining percentage, only include those areas that are buildable): The creation or addition of hard surfaces, the expansion of a building footprint or addition or replacement of a structure, structural development including construction, installation or expansion of a building or other structure, replacement of hard surface that is not part of a routine maintenance activity, and/or land disturbing activities.

“Residential user.” Any single-family or multi-family customer discharging wastewater limited to kitchen wastes, human wastes, and housekeeping cleaning materials, in volumes and/or concentrations normally discharged from these classes of customers.

“Responsible party.” Any or all of the following persons: owners or occupants of property within the City of Tacoma and/or any person causing or contributing to a violation of the provisions of this chapter.

“Runoff.” Water originating from rainfall or other precipitation that is found in drainage facilities, rivers, streams, seeps, ponds, lakes, and wetlands as well as shallow groundwater. It also means the portion of rainfall or other precipitation that becomes surface flow or interflow.

“Sanitary sewers.” Those portions of the Municipal Sewer System which are designated by the Director to carry, treat, or dispose of wastewater not constituting storm or surface water permitted by or under this chapter to enter the Municipal Sewer System. Sanitary sewers are also referred to in this chapter and have the same definition as wastewater sewers.

“Significant Industrial User (SIU).” Except as provided in subparagraph 3, “significant industrial user” means:

1. All industrial users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N.
2. Any other industrial user which discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding domestic, noncontact cooling and boiler blowdown wastewater); or contributes a process waste stream which makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW; or is designated as such by the Director on the basis that the industrial user has a reasonable potential for adversely affecting the POTW’s operation; or for violating any pretreatment standard or requirement (in accordance with 40 CFR 403.8 (F)(6), as found in 55 FR 30128, July 24, 1990).
3. Upon finding that an industrial user meeting the criteria in paragraph 2 above has no reasonable potential for adversely affecting the POTW’s operation or for violating any pretreatment standard or requirements, the Director may, at any time, on his or her own initiative or in response to a petition received from an industrial user, and in accordance with 40 CFR 403.8(F)(6), determine that such industrial user is not a significant industrial user.

“Significant noncompliance” with applicable pretreatment requirements exists when a violation by an industrial user meets one or more of the following criteria:

1. Chronic violations of wastewater discharge limits, defined as those in which 66 percent or more of all the measurements taken for the same pollutant parameter during a six-month period exceed (by any magnitude a numeric Pretreatment Standard or Requirement including instantaneous limits, as defined by 40 CFR Part 403.3(l));
2. Technical Review Criteria (TRC) violations, defined as those in which 33 percent or more of all of the measurements taken for the same pollutant parameter during a six-month period equal or exceed the product of a numeric Pretreatment Standard or Requirement including instantaneous limits, as defined by 40 CFR Part 403.3(l) multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, fats, oil, and grease, and 1.2 for all other pollutants except pH);
3. Any other violation(s) of a Standard or Requirement as defined by 40 CFR Part 403.3(l) daily maximum, long-term average, instantaneous limit, or narrative standard that the Director determines has caused, alone or in combination with other discharges, interference or pass through or endangered the health of the general public or sewage treatment personnel);
4. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW’s exercise of its emergency authority to halt or prevent such a discharge;
5. Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in an industrial wastewater discharge permit or enforcement order for starting construction, completing construction, or attaining final compliance;
6. Failure to provide, within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;
7. Failure to accurately report noncompliance;

8. Any other violation or group of violations which may include a violation of Best Management Practice, the Director determines will adversely affect the operation or implementation of the City's Pretreatment Program.

"Significant noncompliance" with requirements for discharges to the storm drainage system or receiving water exists when an instance of noncompliance or Code violation meets one or more of the following criteria:

1. Any discharge or potential discharge of a pollutant that has caused or may cause a threat to human health, public safety or the environment, or that has resulted in the exercise of emergency authority to halt or prevent such a discharge;
2. Failure to complete a required corrective action within 30 days after the scheduled date required in a Notice of Violation, Corrective Action, or other enforcement document.
3. Any other violation or group of violations that the Director determines will adversely affect the operation and implementation of the City's Stormwater Management Program or its NPDES permit.

"Single-family residence."

1. Any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking and sanitation, for use by not more than one family;
2. Instances in which more than one residence is served through a single water meter; and
3. Those individual units within multi-family complexes that are served by a separate water meter.

"Slug load." Any discharge at a flow rate or concentration which could cause a violation of any Pretreatment Standard or Requirement, as defined by 40 CFR Part 403.3(1) or this chapter, including any discharge of a nonroutine, episodic nature, including, but not limited to, an accidental spill or a noncustomary batch discharge.

"Source Control." Actions, activities, and the implementation of BMPs to prevent or reduce the introduction of contaminants to the Municipal Sewer System. Examples include, but are not limited to: segregating or isolating waste; enclosing, covering, or containing the activity to prevent contact with stormwater; developing and implementing inspection and maintenance programs; sweeping; and taking management actions such as training employees on pollution prevention.

"Spill." An unauthorized discharge of a pollutant enumerated in TMC 12.08.080 to the municipal sewer system or receiving waters within Tacoma City limits.

"Storm drains." Those portions of the Municipal Sewer System which do, or are designated by the Director to, detain or retain, carry or dispose of stormwater and surface water and such other waters as are not required by or under this chapter or other applicable law to be disposed of through sanitary sewers, in accordance with the provisions hereinafter set forth. Storm drains shall, without limitation, include all properties, interests and rights of the City insofar as they relate to or concern storm or surface water sewerage, whether natural or constructed, in and to the drainage or storage, or both, of storm or surface waters, or both, including without limitation through, under or over lands, landforms, watercourses, sloughs, streams, ponds, lakes and swamps.

"Stormwater." That portion of precipitation, including snowmelt, that does not naturally percolate into the ground or evaporate, but flows via overland flow, interflow, pipes, and other features of a stormwater drainage system into a receiving water or stormwater facility.

"Stormwater drainage system." Constructed and natural features which function together as a system to collect, convey, channel, hold, inhibit, retain, detain, infiltrate, divert, treat, or filter stormwater.

"Stormwater facility." A component of the stormwater system constructed to perform a particular function such as water quality treatment, flow control, or conveyance.

"Stormwater Pollution Prevention Plan (SWPPP)." A document which describes the best management practices and activities to be implemented by a person to identify sources of pollution or contamination at a premises or parcel and the actions to eliminate or reduce pollutant discharges to stormwater, stormwater conveyance systems, and/or receiving waters to the maximum extent practicable. A SWPPP may be used as a construction SWPPP for activities during construction or as an operational SWPPP for ongoing activities at a site.

"Suspended solids." Solids that either float on the surface of or are in suspension in water, sewage, or other liquid; and which are removable by laboratory filtering using Standard Methods, 17th Edition.

"SWMM." The City of Tacoma's Stormwater Management Manual, as amended.

"TMC." The Tacoma Municipal Code.

"Toxic pollutant." Those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly

by ingestion through food chains, will, on the basis of information available to the Director, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring.

“Track-out.” Material such as dirt, mud and other debris that is deposited on paved public streets or alleys by vehicles exiting a construction site or a commercial or industrial facility.

“Upset.” An exceptional incident in which a discharger unintentionally and temporarily is in a state of noncompliance with the applicable pretreatment standards due to factors beyond the reasonable control of the discharger, and excluding noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation thereof.

“User or Industrial User.” A nondomestic source of an indirect discharge to the municipal sanitary sewer system.

“WAC.” The Washington Administrative Code.

“Wastewater.” Liquid and water-carried industrial wastes and sewage from residential dwellings, commercial buildings, industrial and manufacturing facilities, and institutions, whether treated or untreated.

“Wastewater sewer.” Those portions of the Municipal Sewer System which are designated by the Director to carry, treat or dispose of wastewater not constituting storm or surface water permitted by or under this chapter to enter the Municipal Sewer System. Wastewater sewers are also referred to in this chapter and have the same definition as sanitary sewers.

(Ord. 28330 Ex. D; passed Nov. 24, 2015; Ord. 28261 Ex. A; passed Dec. 9, 2014; Ord. 28128 Ex. A; passed Feb. 12, 2012; Ord. 28093 Ex. E; passed Oct. 16, 2012; Ord. 27978 Ex. A; passed Apr. 26, 2011; Ord. 27538 § 2; passed Oct. 24, 2006; Ord. 27285 § 2; passed Nov. 2, 2004; Ord. 27003 § 3; passed Nov. 19, 2002; Ord. 25802 § 3; passed Dec. 5, 1995; Ord. 25587 § 3; passed Sept. 20, 1994; Ord. 24879 § 1; passed May 21, 1991; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.020 Prohibitions on discharges – Sanitary.

A. General Prohibitions. No person shall discharge or permit or cause the discharge of waste into the Municipal Sanitary Sewer System that may cause, either alone or by interaction with other materials, pass through or interference.

B. Specific Prohibitions. In addition, it is unlawful to discharge, cause to discharge, or allow to be discharged directly or indirectly the following pollutants into the City's Municipal Sewer System:

1. Wastewater containing substances:

- a. In concentrations that inhibit or interfere with the operation or performance of the Municipal Sewer System; or
- b. That are not amenable to treatment or reduction by the sewage treatment process employed, or are only partially amenable to treatment, such that the POTW's effluent cannot meet the requirement of any agency having jurisdiction over the POTW; or
- c. In concentrations in excess of limitations imposed in a permit issued by the City or other regulatory agency having jurisdiction; or
- d. That impair the use or disposal of POTW sludge and sludge products pursuant to state and federal statutes, including, but not limited to the Solid Waste Disposal Act (42 USC §6901), the Clean Water Act (42 USC §1857), the Toxic Substance Control Act (15 USC §2601).

2. Pollutant(s) which create a fire or explosion hazard in the Municipal Sanitary Sewer System, including, but not limited to, wastewater with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees centigrade (using test methods prescribed in 40 CFR Part 261.21);

3. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through;

4. Any solid or viscous substance capable of obstructing wastewater which will or may cause obstruction to the flow of wastewater or other interference with the operations of the Municipal Sanitary Sewer System;

5. Any noxious, malodorous or toxic liquids, gases, vapors or fumes, solids, or other substances which, either singly or by interaction with other wastewaters may cause acute or chronic worker health and safety problems, a public nuisance, a hazard, or interference with any part of the Municipal Sanitary Sewer System;

6. Any waste, wastewaters or substances having a pH less than 5.5 or greater than 11.0, or those capable of causing damage to structures, equipment, processes or personnel of the sewer system, unless these limits are modified by a wastewater discharge permit, or by a special approved discharge authorization;

7. Pollutants which cause corrosive structural damage to the POTW, but in no event discharges with pH lower than 5.0, unless the POTW is specifically designed to accommodate such discharges.
 8. Any liquid or vapor having a temperature higher than 100 degrees Fahrenheit (37.8 degrees centigrade) unless this limit is modified by an industrial wastewater discharge permit;
 9. Any trucked or hauled contaminants, such as holding or septic tank wastewater or any nondomestic sources, except such wastewater received at designated locations under City contract or permit in accordance with any other applicable requirements of this chapter or rules adopted hereafter;
 10. Any substance with excessive color as determined by the Director, which is not removed in the treatment process;
 11. Any batch discharges that have not received written permission of the Director (batch discharges shall comply with all other requirements of this chapter and rules adopted hereafter);
 12. Any substance which may cause the Municipal Sanitary Sewer System effluent or treatment residues, sludges or sludge products, or scums, to be unsuitable for reclamation and/or reuse or which interferes with the reclamation process. In no event shall a substance discharged to the Municipal Sanitary Sewer System cause the City to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under the Clean Water Act 42 USC 1857; any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act (42 USC §6901), , the Toxic Substance Control Act (15 USC §2601), or any other federal or state statute, regulation or standard applicable to the sludge management method being used, or any amendments thereto;
 13. Noncontact cooling water, except as provided in TMC 12.08.080 following issuance of an NPDES permit by the Washington State Department of Ecology;
 14. Any substance which may cause the treatment facilities of the Municipal Sanitary Sewer System to be overloaded or cause excessive City collection or treatment costs, or may use a disproportionate share of the Municipal Sanitary Sewer System or of its treatment facilities;
 15. Any slug load;
 16. Any substance that causes the City to violate the terms of its NPDES permit(s);
 17. Any substance which would be designated as a dangerous waste in accordance with Chapter 173-303 WAC, unless authorized by an industrial wastewater discharge permit issued in accordance with the requirements of TMC 12.08.140.
- (Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27538 § 3; passed Oct. 24, 2006: Ord. 25802 § 4; passed Dec. 5, 1995: Ord. 25587 § 4; passed Sept. 20, 1994: Ord. 24879 § 2; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.030 Prohibitions on storm drainage, ground water and unpolluted water – Sanitary.

Stormwater, groundwater, subsurface drainage, yard drainage, roof drainage, or unpolluted water, including, but not limited to, cooling water or process water, shall not be discharged through direct or indirect connection to any sanitary sewer unless approved by the Director. The Director may, but shall not be required to, approve such discharge only when no reasonable alternative method of disposal is available. If approval is granted for the discharge of such water into a sanitary sewer, the user shall pay the applicable charges and fees and meet such other conditions as required from time to time by the Director.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27948 Ex. B; passed Nov. 16, 2010: Ord. 27857 Ex. A; passed Dec. 8, 2009: Ord. 27003 § 4; passed Nov. 19, 2002: Ord. 25587 § 5; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.040 Limitations on wastewater strength.

A. Maximum Daily Limits. No person shall discharge wastewater into the Municipal Sanitary Sewer System containing a daily maximum concentration greater than:

- 0.1 mg/l arsenic, total
- 0.25 mg/l cadmium, total
- 0.25 mg/l chromium, hexavalent
- 1.0 mg/l chromium, total
- 1.0 mg/l copper, total
- 0.2 mg/l free cyanide
- 0.64 mg/l total cyanide

- 0.4 mg/l lead, total
- 0.05 mg/l mercury, total
- 1.0 mg/l molybdenum, total
- 1.0 mg/l nickel, total
- 0.1 mg/l selenium, total
- 0.2 mg/l silver, total
- 2.0 mg/l zinc, total
- 50 mg/l petroleum hydrocarbons (silica gel treated-hexane extractable material, SGT-HEM)

The above limits apply at the point where the wastewater is discharged to the Municipal Sanitary Sewer System (end of pipe). All concentrations for metallic substances are for “total” metal unless otherwise indicated. Where a user is subject to a National Categorical Pretreatment Standard and a local limit for a given pollutant, the more stringent limit or applicable National Pretreatment Standard shall apply. The daily maximum is defined as the arithmetic mean of the pollutant concentration calculated from all measurements taken that day.

B. Alternate Standards. The City reserves the right to establish, by ordinance or in wastewater discharge permits, alternate standards or requirements on discharges to the Municipal Sanitary Sewer System for specific user groups. Such alternate standards or requirements shall be based upon, but not limited to, an analysis of available treatment technology, potential economic impacts, and potential impacts to the POTW.

C. Dilution. No discharger shall increase the use of potable or process water in any way, nor mix separate waste streams for the purpose of diluting a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the standards set forth in this chapter.

D. Maintenance. It shall be the responsibility of the owners of all pretreatment devices, including but not limited to, grease traps, grease interceptors, sand/oil interceptors (oil/water separators), and other approved systems, to properly operate and maintain such systems and devices to prevent interference, excessive discharge, slug load, restricted flow, or pass through of any contaminants discharged to the POTW. Maintenance and disposal records shall be kept on site for inspection by the Director.

1. Proper maintenance of pretreatment devices shall mean, at a minimum:

- a. For grease traps: unless otherwise approved by the Director, grease traps must be cleaned when the total accumulation of surface fats/oils/greases (including floating solids) and settled solids reaches 25 percent of the grease traps overall liquid depth.
- b. For grease interceptors: unless otherwise approved by the Director, grease interceptors must be cleaned when the total accumulation of surface fats/oils/greases (including floating solids) and settled solids reaches 25 percent of the volume of any chamber of the grease interceptor.
- c. For sand/oil interceptors: unless otherwise approved by the Director, the interceptor shall be inspected monthly and cleaned if any of the following conditions are present: (1) sludge accumulation => 20 percent capacity of any chamber, (2) oil accumulation => 2 inches, (3) coalescing media plugged, (4) visible sheen on interceptor discharge or, (5) sample results exceed limits in this section.
- d. Other approved devices: maintenance of other pretreatment devices shall be conducted in accordance with the manufacturer’s specifications for such device and/or Engineering Report and/or Operation/Maintenance Manual approved by the City’s Pretreatment Program staff.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27285 § 3; passed Nov. 2, 2004: Ord. 26888 § 1; passed Dec. 4, 2001: Ord. 25587 § 6; passed Sept. 20, 1994: Ord. 24879 § 3; passed May 21, 1991: Ord. 24049 § 1; passed Mar. 29, 1988: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.050 Limitations on radioactive wastes.

No person shall discharge or cause to be discharged, any radioactive waste into the Municipal Sewer System except when that person is authorized to use those radioactive materials by the State Department of Health or other governmental agency empowered to regulate radioactive materials.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.060 Limitations on the use of garbage grinders.

Food waste from garbage grinders discharged into the Municipal Sanitary Sewer System shall be properly shredded so that 100 percent will pass a 3/8-inch sieve and 75 percent will pass a 1/4-inch sieve. Persons engaged in the wholesale/retail sale of raw produce shall be limited to one grinder having a prime motor not exceeding five horsepower for the processing of raw produce waste. No discharge permitted by this section may contain plastic, paper products, inert material, garden refuse, or other material prohibited by this chapter.

(Ord. 25587 § 7; passed Sept. 20, 1994; Ord. 24307 § 1; passed Mar. 7, 1989; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.070 Limitations on point of discharge.

Unless authorized by the Director, no person shall discharge any substances directly into a manhole or other opening in the Municipal Sanitary Sewer System other than through an approved building sewer. If such authorization is issued for such direct discharge, the user shall pay the applicable charges and fees and shall meet such other conditions as required by the Director.

(Ord. 25587 § 8; passed Sept. 20, 1994; Ord. 24879 § 4; passed May 21, 1991; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.080 Prohibited, allowable, and conditional discharges – Storm.

A. Prohibited Discharges. No person shall throw, drain, spill, or otherwise discharge, cause, or allow others under its control to throw, drain, spill, or otherwise discharge in the municipal storm drain system and/or surface and ground waters any materials other than stormwater. Examples of prohibited discharges are discharges that are contaminated with the following pollutants:

1. Petroleum products including, but not limited to, oil, gasoline, grease, fuel oil, and heating oil;
2. Antifreeze and other automotive products;
3. Metals in either particulate or dissolved form;
4. Flammable or explosive materials;
5. Radioactive material;
6. Batteries;
7. Acids, alkalis, or bases;
8. Paints, stains, resins, lacquers, or varnishes;
9. Degreasers and/or solvents;
10. Drain cleaners;
11. Pesticides, herbicides, or fertilizers;
12. Soaps, detergents, or ammonia;
13. Steam-cleaning wastes;
14. Swimming pool or spa filter backwash;
15. Chlorine, bromine, or other disinfectants;
16. Heated water;
17. Domestic animal wastes;
18. Sewage;
19. Recreational vehicle waste;
20. Animal carcasses;
21. Food wastes or products, trash, or debris not otherwise enumerated in this section;
22. Bark and other fibrous materials;
23. Lawn clippings, leaves, or branches;
24. Silt, sediment, concrete, cement, gravel, asphalt, or construction materials;

25. Chemicals not normally found in uncontaminated water;
26. Any other process-associated discharge, except as otherwise allowed in this section;
27. Any other material that is regulated as a hazardous substance or hazardous or dangerous waste by federal, state, or local laws and regulations.

B. Allowable Discharges. The following types of discharges shall not be considered prohibited discharges for the purposes of this chapter unless the Director determines that the type of discharge, whether singly or in combination with others, is causing or is likely to cause pollution of surface water or ground water:

1. Diverted stream flows;
2. Rising ground waters;
3. Uncontaminated ground water infiltration- as defined in 40 CFR 35.2005(20);
4. Uncontaminated pumped ground water;
5. Foundation drains;
6. Air conditioner condensation;
7. Irrigation water from agricultural sources that is commingled with urban stormwater;
8. Springs;
9. Uncontaminated water from crawl space pumps;
10. Footing drains;
11. Flows from riparian habitats and wetlands;
12. Discharges from emergency fire fighting activities.

C. Conditional Discharges. The following types of discharges shall not be considered illicit discharges for the purposes of this chapter if they meet the stated conditions, unless the Director determines that the type of discharge, whether singly or in combination with others, is causing or is likely to cause pollution of surface water or ground water:

1. Potable water, including water from water line flushing, hyperchlorinated water line flushing, fire hydrant system flushing, and pipeline hydrostatic test water. Planned discharges shall be dechlorinated to a concentration of 0.1 ppm or less, pH-adjusted if necessary, and in volumes and velocities controlled to prevent resuspension of sediments in the stormwater system. In all cases, the receiving storm pipe shall be monitored for the duration of the discharge to maintain half the full pipe flow rate.
2. Lawn watering and other irrigation runoff are permitted but shall be minimized.
3. Dechlorinated swimming pool discharges. These discharges shall be dechlorinated to a concentration of 0.1 ppm or less, pH-adjusted and re-oxygenated if necessary and in volumes and velocities controlled to prevent resuspension of sediments in the stormwater system.
4. Street and sidewalk wash water, water used to control dust, and routine external building wash down that does not use detergents are permitted if the amount of street wash and dust control water used is minimized. At active construction sites, street sweeping must be performed prior to washing the street.
5. Non-stormwater discharges covered by another NPDES permit, provided, that the discharge is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations and, provided that, written approval has been granted for any discharge to the storm drain system.
6. Other non-stormwater discharges. The discharges shall be in compliance with the requirements of a stormwater pollution prevention plan (SWPPP) reviewed and approved by the Director which address control of such discharges by applying AKART to prevent contaminants from entering surface or ground water. Special approved discharges may be allowable in accordance with TMC 12.08.365.B.
7. All applicable fees as set forth in this section shall be paid.

D. System Overburden. This section shall not be construed to limit in any way the City's ability to deny permission to discharge waters into storm drains when additional waters would overburden City storm systems.

E. Prohibition of Illicit Connections. The construction, use, maintenance, or continued existence of illicit connections to the storm drain system is prohibited, regardless whether such connection was lawful at the time it was made. A person is

considered to be in violation of this chapter if the person connects a line conveying sewage or any of the substances enumerated in TMC 12.08.020 and TMC 12.08.040 through TMC 12.08.060, as well as this section, to the storm drain system, or allows such a connection to continue.

F. It shall be a violation of this chapter for any person to cause “track out” materials to be deposited on paved public streets or alleys within the City of Tacoma when there is a potential for such materials to be carried by runoff for collection by the municipal storm drain system.

G. Illicit discharges to the City storm drains, receiving waters, or ground waters within Tacoma city limits are prohibited and are subject to all penalties prescribed by this chapter.

(Ord. 28330 Ex. D; passed Nov. 24, 2015: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27538 § 4; passed Oct. 24, 2006: Ord. 27003 § 5; passed Nov. 19, 2002: Ord. 25802 § 5; passed Dec. 5, 1995: Ord. 25587 § 9; passed Sept. 20, 1994: Ord. 25317 § 1; passed Jun. 8, 1993: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.090 Stormwater program requirements.

A. Pursuant to the terms of its NPDES Phase I Municipal Stormwater Permit, the City of Tacoma has implemented a stormwater management program that includes the use of the SWMM. The Director of the Environmental Services Department is authorized to enforce the provisions of the stormwater management program through reasonable rules and administrative procedures, pursuant to TMC 12.08.007.

B. The following activities are regulated through the stormwater management program under this chapter:

1. Discharges to the City of Tacoma stormwater drainage system, either directly or indirectly, or to receiving waters within Tacoma city limits, either directly or indirectly.

2. Stormwater maintenance activities that discharge, either directly or indirectly, to the City of Tacoma stormwater drainage system or that discharge to receiving waters within Tacoma city limits, either directly or indirectly.

C. Minimum Source Control Requirements for Existing Discharges. Source Controls shall be implemented by all property owners, residents, businesses, and public entities engaged in pollution generating activities.

1. If the Director determines that discharges from a property or right-of-way cause or contribute to an illicit discharge, a nuisance, a threat to public health and safety, or a violation of the City’s municipal stormwater NPDES permit or this chapter, the Director shall require the responsible party to implement and maintain operational BMPs in accordance with Volume 4 of the SWMM.

2. The Director may also require persons responsible for “track-out” conditions on paved public streets or alleys to implement and maintain operational BMPs in accordance with Volume 4 of the SWMM to prevent polluted matter from entering the municipal storm drain system. If the Director determines that the discharges causing or contributing to the problem cannot be adequately addressed by operational BMPs, the Director may require the responsible party to undertake more stringent or additional BMPs, which may include structural BMPs or other actions necessary to cease causing or contributing to the problem or violation.

3. Source control activities shall be implemented to the extent necessary to prevent prohibited discharges, as described in TMC 12.08.080, and to prevent contaminants from coming in contact with stormwater. Source control actions include, but are not limited to, segregating or isolating wastes to prevent contact with stormwater; enclosing, covering, or containing the activity to prevent contact with stormwater; developing and implementing inspection and maintenance programs; sweeping; and taking management actions, such as training employees on pollution prevention.

4. Spill prevention shall be required for all businesses and public entities, as defined in rules promulgated by the Director. Minimum requirements for spill prevention shall include developing and implementing plans and procedures to prevent spills and other accidental releases of materials that may contaminate stormwater. This requirement may be satisfied by a Stormwater Pollution Prevention Plan prepared in compliance with an NPDES stormwater permit for the site; the implementation of procedures for immediate containment and other appropriate action regarding spills and other accidental releases to prevent contamination of stormwater; providing necessary containment and response equipment on-site; and training of personnel regarding procedures and equipment to be used.

D. Minimum Requirements for New Development and Redevelopment. New development and redevelopment activities that meet or exceed the thresholds outlined in Volume 1 of the SWMM shall comply with the following Minimum Requirements, in accordance with the City’s NPDES Phase I Municipal Stormwater Permit and in accordance with the requirements of the SWMM.

In addition, performance bonding and/or other appropriate financial security may be required for all projects to ensure timely and proper completion of improvement, to ensure compliance with the Minimum Requirements of this chapter, or to warranty materials, workmanship, and performance of design.

1. Preparation of a Stormwater Site Plan. All projects shall prepare a stormwater site plan for review and approval by the Director in accordance with the applicable provisions of the SWMM.

2. Construction Stormwater Pollution Prevention Plan (“SWPPP”). All new development and redevelopment projects are responsible for preventing erosion and discharge of sediment and other pollutants into receiving waters. A SWPPP shall be required in accordance with the applicable provisions of the SWMM. The SWPPP shall be designed to comply with the requirements and purposes of the SWMM and this section. Seasonal Work Limitations – From October 1 through April 30, clearing, grading, and other soil disturbing activities may only be authorized by the Permittee if silt laden runoff will be prevented from leaving the site through a combination of the following:

- a. Site conditions including existing vegetative coverage, slope, soil type, and proximity to receiving waters; and
- b. Limitations on activities and the extent of disturbed areas; and
- c. Proposed erosion and sediment control measures.

Based on the information provided and/or local weather conditions, the seasonal work limitations on site disturbance may be expanded or restricted.

3. Source Control of Pollution. All known, available and reasonable source control BMPs are required for all projects approved by the City. Source control BMPs shall be selected, designed, applied, and maintained in accordance with the SWMM.

4. Preservation of Natural Drainage Systems and Outfalls. Natural drainage patterns shall be maintained, and discharges from the site shall occur at the natural location to the maximum extent practicable. The manner by which runoff is discharged from the project site must not cause a significant adverse impact to downstream receiving waters and down gradient properties. All outfalls require energy dissipation.

5. Onsite Stormwater Management. Onsite Stormwater Management BMPs to infiltrate, disperse, and retain stormwater runoff onsite to the maximum extent feasible without causing flooding, erosion, water quality or groundwater impacts shall be required. Onsite Stormwater Management BMPs shall be designed to comply with the requirements and purposes of the SWMM and this section.

6. Water Quality Treatment. All projects that meet the thresholds for runoff treatment in Volume 1 of the SWMM shall provide Water Quality Treatment in accordance with the SWMM. Water Quality Treatment BMPs shall be designed to comply with the requirements and purposes of the SWMM and this section.

7. Flow Control. All projects that meet the thresholds and applicability for flow control in Volume 1 of the SWMM shall provide flow control in accordance with the SWMM and this section.

8. Wetlands Protection. All projects that meet the thresholds for wetlands protection in Volume 1 of the SWMM and directly or indirectly discharge to wetlands shall provide wetlands protection in accordance with the SWMM and this section. Wetlands are also regulated by Chapter 13.11 of the Tacoma Municipal Code. The most protective requirements of either TMC Section 12.08.090 or TMC Chapter 13.11 shall be applied.

9. Operations and Maintenance. An operation and maintenance manual (O&M manual) consistent with the SWMM shall be provided for all proposed stormwater facilities and BMPs and the party, or parties, responsible for operation and maintenance shall be identified in the O&M Manual. For private facilities, a copy of the O&M manual shall be retained onsite or within reasonable access to the site, shall be referenced in real property records filed with the Pierce County Auditor, and shall be transferred with the property to the new owner. For public facilities, a copy of the O&M manual shall be retained in the appropriate department. A log of maintenance activity that indicates what actions were taken shall be kept and be available for inspection by the City.

10. Offsite Analysis and Mitigation. All projects shall include an analysis of offsite water quality and quantity impacts resulting from the project and shall mitigate these impacts as required by the SWMM. The analysis shall extend a minimum of one-fourth of a mile downstream from the project. The Director may require that the analysis be extended further if deemed necessary. The type of analysis shall be as required by the SWMM based on project impacts.

E. Stormwater Maintenance Activities. Maintenance of all storm drainage facilities or controls shall be required in accordance with the SWMM. The proper maintenance of these controls or facilities is essential for the protection of the City’s municipal storm drainage system and the environment. Storm drainage controls or facilities are either privately or publicly owned and

maintained. All storm drainage facilities that serve commercial and industrial sites are private. Storm drainage facilities or controls that are privately owned by a homeowner’s association or similar organization also are private.

1. Maintenance and Inspection. All privately owned storm drainage facilities or controls shall be maintained by the owner, or the homeowner and/or owner association, if one is established as part of a residential or commercial development. All private storm drainage facilities shall be regularly inspected to ensure proper operation and monitored as required or as set forth in the SWMM or O&M Manual. The owner, or homeowner and/or owner association shall maintain records of inspection and maintenance, disposal receipts, and monitoring results. The records shall catalog the action taken, the person completing the action, the date said action was taken, how the action was completed, results of any monitoring effort, and any problems encountered or follow-up actions required. The records shall be made available to the City upon request. The owner, or homeowner and/or owner association shall maintain a copy of the Operations and Maintenance Manual on site, and shall make reference to such document in real property records filed with the Pierce County Auditor, so others who acquire real property served by the privately owned storm drainage facilities or controls are notified of their obligation to maintain such facilities or controls.

2. City Inspection. The regular inspection of privately owned stormwater facilities or BMPs is essential to ensure proper operation of the City’s municipal storm drainage system and prevent potential impacts to the environment. The City shall have the right to enter the property to regularly inspect all private stormwater facilities to ensure they are properly operating and are being properly maintained.

F. Requirement to Report Spills, Releases, or Illicit Discharges. A responsible party shall report to the Environmental Services Department any spill, release, illicit discharge, or other incident causing a discharge that has contributed or is likely to contribute pollutants to the Municipal Sewer System or receiving water immediately, but no later than twenty-four (24) hours after first becoming aware of such event. Spills shall be reported to the Environmental Services Department. This reporting requirement is in addition to any other reporting requirement imposed, pursuant to federal, state, or local laws and regulations.

(Ord. 28330 Ex. D; passed Nov. 24, 2015; Ord. 28093 Ex. E; passed Oct. 16, 2012; Ord. 27978 Ex. A; passed Apr. 26, 2011; Ord. 27538 § 5; passed Oct. 24, 2006; Ord. 27285 § 4; passed Nov. 2, 2004; Ord. 27003 § 6; passed Nov. 19, 2002)

12.08.095 Exceptions procedure.

A. General. Requests for exceptions from the requirements of TMC 12.08.090 may be made according to the requirements of the SWMM and this section. An exception may be requested to allow a waiver, a reduction or modification of a requirement, or to permit an alternative requirement. Any such request must be made in writing and, at a minimum, contain the information outlined in the Exceptions Section of Volume 1 of the SWMM. The Director shall approve or deny such requests in writing and shall only approve an exception to the extent it is necessary to meet the criteria set forth in this section. An applicant is not entitled to an exception, whether or not the criteria for approval of an exception are met. The Director may require the applicant to submit a Washington State licensed engineer’s report or analysis with a request for an exception. As a condition of approving an exception, the Director may impose new or additional requirements to offset or mitigate harm that may be caused by approving the exception.

B. Exception Criteria. Exceptions must meet the following criteria:

1. Application of the Minimum Requirement(s) would impose a severe and unexpected economic hardship; and
2. The exception will not increase risk to the public health and welfare, nor be injurious to other properties in the vicinity and/or downstream, and to the quality of waters of the state; and
3. The exception is the least possible exception that could be granted to comply with the intent of the Minimum Requirements.

C. The approval of an exception shall not be construed to be an approval of any violation of any of the other provisions of this chapter nor approval of any violation of any other ordinance of the City nor approval of any violation of any other valid law of any governmental entity having jurisdiction. The approval of plans, specifications, and calculations for an exception shall not prevent the Director from thereafter requiring the correction of errors in such plans, specifications, or other data, or from preventing operations being carried on thereunder when in violation of this chapter, or any other ordinance of the City.

D. The following public notice requirements apply whenever a request for an exception to the Minimum Requirements contained in TMC 12.08.090.D (“Request”) is received by the City:

1. Public notice (“Notice”) shall be made to inform the public about the contents of the Request and the Director’s decision to grant or deny it. Notice of the Request and the Director’s decision to grant or deny the Request may be combined.
2. The Notice shall be published, at the requester’s cost, in the City’s newspaper of record and a local newspaper of general circulation within Tacoma. The Notice shall also be published on the surface water section of the City’s website.

3. The Notice shall include: (i) a brief description of the Request; (ii) a brief description of the Director’s decision to grant the Request and the reasons supporting the decision, or a statement that the Request is denied; (iii) where the Request and the Director’s decision to grant or deny the Request can be reviewed; and (iv) the name and contact information of a City employee who can answer questions regarding the Request.

4. The City shall provide a hardcopy of the Director’s decision to grant or deny a Request to the requester. The Director’s decision to approve or deny a Request shall include a reference to the procedures in TMC 12.08.678 for contesting such decision.

E. Appeals to the Hearing Examiner. Appeals of the Director’s decision on Request for an exception shall be made to the Hearing Examiner in accordance with TMC 12.08.678.

(Ord. 28330 Ex. D; passed Nov. 24, 2015: Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27749 Ex. A; passed Oct. 21, 2008: Ord. 27538 § 6; passed Oct. 24, 2006: Ord. 27003 § 7; passed Nov. 19, 2002)

12.08.100 Sampling and testing of wastewater.

Authorized City representatives, bearing proper credentials and identification shall be permitted to enter upon any and all premises at all reasonable times for the purpose of inspection, observation, records examination and copying, measurement, sampling, and testing of wastewater (including storm or surface water) in accordance with the provisions of this chapter.

(Ord. 27538 § 7; passed Oct. 24, 2006: Ord. 25587 § 11; passed Sept. 20, 1994: Ord. 24879 § 6; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984.)

12.08.130 Pretreatment of commercial and/or industrial wastewater.

The industrial wastewater pretreatment requirements of this chapter shall apply to all users of the POTW, including those dischargers located outside the political boundary of the City. This chapter authorizes the issuance of wastewater discharge permits; authorizes monitoring, compliance, and enforcement activities; establishes administrative review procedures; and requires user reporting. State requirements and limitations on discharges to the POTW shall be met by all users which are subject to such standards in any instance in which they are more stringent than federal requirements and limitations, or those in this chapter or other applicable ordinance.

A. If, as determined by the Director, treatment facilities, operational changes or process modifications at a commercial and/or industrial dischargers facility are needed to comply with any requirements under this chapter or are necessary to meet any applicable state or federal requirements, the Director may require that such facilities be constructed or modified or changed to bring effluent into compliance in the shortest feasible time. All reasonable and economically achievable treatment shall be required to meet discharge limitations and requirements.

B. Any requirement provided for or authorized pursuant to this chapter may be incorporated as a part of an industrial wastewater discharge permit issued under TMC 12.08.140 or any other enforcement document and made a condition of issuance of such permit or made a condition of the acceptance of the wastewater from such facility.

C. Plans, specifications, engineering calculations, and other information relating to the construction or installation of pretreatment facilities required by the Director under this chapter shall be submitted to the Director. All such plans and specifications shall be prepared under the supervision of a professional engineer licensed in accordance with Chapter 18.43 RCW and in accordance with the requirements for approval of industrial wastewater facilities contained in Chapter 173-240 WAC. All copies of these documents submitted for review shall bear the seal of the professional engineer under whose supervision the documents were prepared. No construction or installation shall begin until written approval of the plans and specifications has been given by the City.

D. The approval of plans, specifications, and calculations shall not be construed to be an approval of any violation of any of the provisions of this chapter, nor approval of any violation of any other ordinance of the City of Tacoma, nor approval of any violation of any other valid law of any governmental entity having jurisdiction. An approval shall be invalid if that approval presumes to give authority to violate or cancel the provisions of any valid law. The approval of plans, specifications, and calculations shall not prevent the Director from thereafter requiring the correction of errors in such plans, specifications, or other data, or from preventing operations being carried on thereunder when in violation of this chapter, or any other ordinance of the City of Tacoma.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27538 § 8; passed Oct. 24, 2006: Ord. 27285 § 5; passed Nov. 2, 2004: Ord. 25802 § 6; passed Dec. 5, 1995: Ord. 25587 § 12; passed Sept. 20, 1994: Ord. 24879 § 7; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.140 Industrial wastewater discharge permits.

A. General. All nondomestic users must notify the Director by completing and submitting a survey to the Environmental Services Department - Science & Engineering Division whenever they intend to connect to the POTW or modify or increase any nondomestic wastestream. The Director may condition or deny any and all waters discharged to the POTW, and may require all information necessary to determine whether a discharger is a significant industrial user (SIU). All significant industrial users, as determined by the Director, that propose to connect to or to discharge sewage, industrial wastes and other wastes to the Municipal Sanitary Sewer System, or propose to change processes which might reasonably be expected to increase the volume and/or concentration of pollutants in the wastestream, shall obtain a wastewater discharge permit before connecting to or discharging to the system or significantly modifying or increasing their wastestreams.

B. Permit Application - Industrial Users Subject to Newly Promulgated Categorical Pretreatment Standards. Any industrial user that was discharging, or was scheduled to discharge, wastewater into the POTW prior to the effective date of the ordinance codified in this chapter, and is subject to a categorical pretreatment standard that was promulgated by the United States Environmental Protection Agency after the effective date of the ordinance codified in this chapter, shall within 180 days after the effective date of such newly promulgated categorical pretreatment standard submit to the City a wastewater discharge permit application. The permit application shall contain information identified in TMC 12.08.140.E.1 through 8. When completed in accordance with 40 CFR Part 403.12(b), such application may be considered the user's baseline monitoring report (BMR).

C. New Sources and New Users. At least 90 days prior to commencement of discharge, new sources subject to categorical pretreatment standards issued by the United States Environmental Protection Agency, and new users determined to be SIUs shall submit to the City a permit application. The permit application shall contain the information identified in TMC 12.08.140.E.1 through 5. New sources and new users shall give estimates of the information described in TMC 12.08.140.E.1 through 5. New sources and new users determined to be SIUs shall also include in their application such information that adequately describes the method of pretreatment the user will use to meet applicable pretreatment standards. No wastewater discharge permit shall be issued unless and until all required information has been provided.

D. Permit Application - Existing Significant Industrial Users. Any SIU that was discharging wastewater into the POTW prior to the effective date of the ordinance codified in this chapter shall comply with the reapplication requirements of TMC 12.08.210. Upon determination by the Director that any existing user qualifies as a significant industrial user, that existing user shall submit a permit application within 90 days of notification; provided, that the Director determines that such continued discharge is not reasonably expected to violate any applicable pretreatment standard or requirement.

E. Information Required in Permit Applications.

1. Identifying Information. The user shall submit the name and address of the facility including the name of the operator and owner(s).
2. Permits. The user shall submit a list of any environmental control permits either applied for or held by or for the facility.
3. Description of Operations. The user shall submit a brief description of the nature, average rate of production, and Standard Industrial Classification of the operations(s) carried out by such industrial user. This description should include a schematic process diagram which indicates points of discharge to the Municipal Sanitary Sewer System from the regulated processes.
4. Flow Measurement. The user shall submit information showing the measured average daily and maximum daily flow, in gallons per day, to the Municipal Sanitary Sewer System from each of the following:
 - a. Regulated process streams;
 - b. Other streams as necessary to allow use of the combined wastestream formula of 40 CFR 403.6(e); and
 - c. Total process flow, wastewater treatment plant flow, total plant flow or individual manufacturing process flow as required by the Director.

The Director may allow for verifiable estimates of the flows where justified by cost or feasibility considerations.

5. Measurement of Pollutants. The user shall identify the pretreatment standards applicable to each regulated or other process wastestream as determined by the Director, perform sampling and report the results in accordance with the requirements of the industrial wastewater discharge permit application as applicable. All analysis shall be performed by a certified laboratory, in accordance with the provisions of WAC 173-216-125.

a. For baseline and periodic monitoring reports from users, the following requirements shall apply, unless the Director finds they are not necessary to obtain representative results: if pH, cyanide, total phenols, oil and grease, sulfide, or volatile organics are to be sampled, then at least four grab samples shall be taken of these pollutants. All other pollutants must be measured by flow proportional composite samples unless the Director finds that such measurements are not feasible. If the Director finds

that such measurements are not feasible, then a time-based or composite of four grab samples shall be taken. For all other users, the user shall take a minimum of one representative sample to compile that data necessary to comply with the permit application requirements.

b. Samples shall be taken immediately downstream from pretreatment facilities if such exist or immediately downstream from the regulated processes if no pretreatment exists. The user shall measure the flows and concentrations necessary to allow use of the combined wastestream formula if other wastewaters are mixed with the regulated wastewater prior to pretreatment. Measurements shall be representative of daily operations. Both daily maximum and average concentrations (where determined) shall be reported.

c. Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 as amended.

d. The Director may allow the submission of a baseline report which utilizes only historical data so long as the data provides information sufficient to determine the need for industrial pretreatment measures. Such baseline report shall indicate the time, date and place of sampling, and methods of analysis, and shall certify that such sampling and analysis is representative of normal work cycles and expected pollutant discharges to the Municipal Sanitary Sewer System.

6. Certification. A statement, reviewed by a certified professional who is an authorized representative of the user, stating whether the user is meeting applicable pretreatment standards on a consistent basis, and, if not, whether additional pretreatment or operation and maintenance (O & M) is required for the user to meet the applicable pretreatment standards and requirements.

7. Compliance Schedule/Engineering Report. Where pretreatment and/or operation and maintenance activities will be required to comply with this chapter, or where a Discharger modifies, or proposes to construct or modify wastewater facilities, or in response to a compliance schedule ordered by the Director as a result of an incident or incidents of noncompliance, the Discharger shall provide an engineering report describing the action that must be taken to comply with this chapter.

a. The engineering report shall include a time schedule, showing the dates by which such action will be completed. The schedule shall indicate the dates by which major events will be completed leading to the construction and operation of additional pretreatment that is required for the discharger to comply with this chapter, including, but not limited to, dates relating to the retention of an engineer who is to design the improvements; the retention of other appropriate personnel; the completion of preliminary plans; the completion of construction documents; execution of a contract for major components; start of construction; and completion of construction. The date of final compliance shall not be extended beyond the final compliance date established for the applicable pretreatment standard.

b. All such reports, plans, and specifications shall be prepared in accordance with the requirements of Chapter 173-240 WAC and under the supervision of a professional engineer, licensed in accordance with Chapter 18.43 RCW. All copies of these documents submitted for review shall bear the seal of the professional engineer under whose supervision the documents were prepared.

c. The discharger shall submit a copy of the engineering report to the Science & Engineering Division. Additional copies may be required by other federal, state, or local agencies that have jurisdiction. Approval from all agencies with jurisdiction shall be obtained prior to the construction or installation of any necessary facilities.

d. Under no circumstance shall the Director permit a time increment for any single step directed toward compliance which exceeds nine months.

e. Not later than 14 days following each milestone date in the schedule and the final date for compliance, the discharger shall submit a progress report to the Director, including, at a minimum, a statement as to whether or not it complied with the increment of progress represented by that milestone date and, if not, the date on which it expects to comply with this increment of progress, the reason for delay, and the steps being taken by the discharger to return the construction to the approved schedule. In no event shall more than nine months elapse between such progress reports to the Director.

8. Slug load Discharge Evaluation. The discharger shall evaluate their facility against the potential for slug load discharges from their industrial processes and submit such information with their permit application. F. Signatory Requirements. All permit applications and user reports must be signed by an authorized representative of the user and contain the following certification statement:

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

G. Public Notice. The Director will review the permit application and supporting data furnished by the discharger. The permit application and supporting data may be reviewed by other City departments or governmental agencies as determined by the Director, to verify compliance with applicable laws. If the Director finds that the data submitted is acceptable, then the Director shall direct the applicant to publish notice for each application; except, however, public notice requirements shall not apply to permit renewals if there are no increases in volume or changes in the characteristics of discharge beyond those previously authorized. Publication shall be at least once each week, for two consecutive weeks, in a newspaper of general circulation in Pierce County. The public notice shall be in a form provided by the Director, and shall include the following:

1. The name, address, and phone number of the office issuing the notice;
2. The name and address of the applicant, and if different, the name and address of the facility or activity to be permitted;
3. A brief description of the applicant's activities or operations which result in the discharge described in the application (e.g., steel manufacturing, chemical processing, etc.);
4. A brief description of the discharge point(s); and
5. The address and phone number of the office at which interested persons may obtain further information.

H. Public Comment. Public comment on permit applications will be accepted for a 30-day period following the second publication. If the Director determines that there is a significant public interest, then the Director shall require that a public hearing be held after the 30-day comment period, at a time and place deemed appropriate by the Director.

I. Permit Conditions. Following the public comment period, and following the public hearing if held, the Director shall issue a wastewater discharge permit if the Director finds that the permit application, specifications, and other data conform to the requirements of this chapter and other pertinent laws. Wastewater discharge permits shall specify applicable requirements of this chapter including, at a minimum, the following where applicable:

1. Effluent limits, including Best Management Practices. Limits based on applicable Pretreatment Standards in 40 CFR Part 403, including Categorical Pretreatment Standards, local limits, and state and local law for the average and maximum wastewater constituents and characteristics regulated by this chapter;
2. Limits on average and maximum rate and time of discharge, equivalent mass, or concentration limits for a pollutant as allowed by 40 CFR Part 403 and appropriate to the discharge and/or requirements for flow regulations and equalization;
3. Requirements for installation and maintenance of inspection and sampling facilities;
4. General conditions under which permittees will monitor their wastewater for compliance including, but not limited to, sampling locations, frequency and number of sampling events, sampling parameters, testing standards, sample handling, taking representative samples, and reporting requirements;
5. Requirements for all analysis to be performed by registered and accredited laboratories in accordance with State regulation, WAC 173-216-125;
6. Compliance schedules;
7. Requirements for submission of special technical reports or discharge reports where same differ from those prescribed by this chapter;
8. Notification procedures;
9. Recordkeeping requirements;
10. Accidental Spill Prevention Plan. If determined to be necessary by the Director, an Accidental Spill Prevention Plan (ASPP) shall contain policies and procedures to ensure that the user prevents or mitigates the effects of slug load discharges. All users shall fully implement such plans and immediately notify the Science & Engineering Division when any changes to a facility or its industrial process pose potential slug load risks not previously addressed in the facility's existing slug control plan;
11. Permit duration;
12. Permit transfer limitations;
13. A statement of applicable civil and criminal penalties; and
14. Signatory requirements.

J. Permit Modifications. The Director may amend any wastewater discharge permit issued hereunder in order to assure compliance by the City with applicable laws and regulations or for other good cause. As used in this section, the term "good cause" shall include but not be limited to, the following:

1. To incorporate any new or revised federal, state, or local pretreatment standards or requirements;
2. To address significant alterations or additions to the user's operation, processes, or wastewater volume or character since the time of wastewater discharge permit issuance;
3. A change in the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;
4. Information indicating that the permitted discharge poses a threat to the POTW, personnel, or the receiving waters;
5. Violation of any terms or conditions of the wastewater discharge permit;
6. Misrepresentations or failure to fully disclose all relevant facts in the wastewater discharge permit application or in any required reporting;
7. Revision of or a grant of variance from categorical pretreatment standards pursuant to 40 CFR Part 403.13;
8. To correct typographical or other errors in the wastewater discharge permit; or
9. To reflect transfer of the facility ownership and/or operation to a new owner/operator.

Within nine months of the effective date of a National Categorical Pretreatment Standard, the wastewater discharge permit of each discharger subject to such standards shall be revised to require compliance with such standards within three years of the effective date of the standard, unless federal or state regulations require a shorter implementation period. All National Categorical Pretreatment Standards hereinafter adopted by the United States Environmental Protection Agency shall be by this reference included herein including mass or production based limits where appropriate.

- a. Where a discharger, subject to a National Categorical Pretreatment Standard has not previously submitted an application for a wastewater discharge permit as required by this chapter, then the discharger shall apply for a wastewater discharge permit within 180 days after the effective date of the applicable National Categorical Pretreatment Standard by the United States Environmental Protection Agency.
- b. A discharger with an existing wastewater discharge permit shall submit to the City within 180 days after the effective date of an applicable National Categorical Pretreatment Standard a certification as described in TMC 12.08.140.E.6, and a compliance schedule/engineering report as described in TMC 12.08.140.E.7.
- c. The discharger shall be informed of any permit modifications at least 30 days prior to the effective date of change. Any changes or new conditions in the permit shall include a reasonable time schedule for compliance; provided, however, that in all cases National Categorical Pretreatment Standards shall be met within three years of the effective date of the standard, unless federal or state regulations require a shorter implementation period.

K. Validity of Permit.

1. The issuance of a permit, or granting approval of plans, specifications, and computations, shall not be construed to be a permit for, or approval of, any violation of any of the provisions of this chapter, or any other applicable rule or regulation. Permits presuming to give authority to violate the provisions of this chapter shall not be valid.
2. Issuance of a wastewater permit shall not relieve the permittee from obtaining such additional permits as may be required by the City, or by other agencies having jurisdiction. In particular, construction permits must be obtained prior to the start of construction. In accordance with Chapter 173-240 WAC, prior to the construction or modification of industrial wastewater facilities, engineering reports and plans must be submitted to the Washington State Department of Ecology at least 30 days prior to the time approval is desired.
3. State requirements and limitations on discharges to the POTW shall be met by all users subject to such standards in all instances in which state standards are more stringent than either federal requirements, or the requirements stated in this chapter.

L. Permit Duration. All wastewater discharge permits shall be issued for a specified period of time not to exceed five years, subject to amendment or revocation as provided in this chapter. Under certain circumstances, a permit may be issued for a stated period less than five years.

M. Permit Charges. The City shall establish an annual charge for administering industrial wastewater discharge and industrial wastewater zero-discharge permits. Such charges are as follows:

Effective Date: January 1, 1997:

Industrial wastewater discharge permit: \$700.00/year.

Industrial wastewater zero-discharge permit: \$480.00/year.

Payment shall be made in a manner and at the frequency determined by the Director.

N. Limitations on Permit Transfer. Wastewater discharge permits are issued to a specific discharger for a specific operation and are not assignable to another discharger without the prior written approval of the Director, or transferable to any other location.

(Ord. 28093 Ex. E; passed Oct. 16, 2012: Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27538 § 9; passed Oct. 24, 2006: Ord. 26729 § 1; passed Nov. 7, 2000: Ord. 25979 § 1; passed Nov. 19, 1996: Ord. 25802 § 7; passed Dec. 5, 1995: Ord. 25587 § 13; passed Sept. 20, 1994: Ord. 24879 § 8; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.150 Reporting requirements for wastewater permittee.

A. Compliance Date Report. Within 90 days following the date by which final compliance with applicable pretreatment standards must be met by a discharger as set forth in this chapter, or within 90 days after wastewater is first introduced into the POTW by a new source subject to the permit requirements of this chapter, such dischargers shall submit a report prepared under the supervision of a professional engineer, licensed in accordance with Chapter 18.83 RCW. The report shall state:

1. The nature and concentration of all regulated contaminants contained in the discharge;
2. The average and maximum daily flow in gallons, in accordance with TMC 12.08.140.E.4 through 6; and
3. Whether the applicable pretreatment standards or requirements are being met on a consistent basis. In the event the report concludes that the pretreatment standards are not being met on a consistent basis, the report shall state what additional operation and maintenance and/or pretreatment is necessary to bring the discharger into compliance with the applicable pretreatment standards and requirements. This statement shall be signed by an authorized representative of the discharger.

B. Periodic Compliance Reports - Dischargers Subject to an Applicable Pretreatment Standard and New Sources.

1. Any user subject to an applicable pretreatment standard, who is required to have a wastewater discharge permit and perform self-monitoring shall comply with all applicable requirements of 40 CFR Part 403.12, as may be amended, and as set forth in this chapter shall, after the compliance date of the applicable pretreatment standard, submit to the Science & Engineering Division a compliance report during the months of June and December unless required on another date or more frequently. The frequency of monitoring and reporting shall be prescribed within the user's wastewater discharge permit. New sources shall, after commencement of the discharge to the Municipal Sewer System, submit to the Science & Engineering Division a compliance report indicating the nature and concentration of regulated substances in the effluent which are limited by applicable Pretreatment Standards. Such reports shall include a record indicating the nature and concentration (and mass if specified in the user's wastewater discharge permit) of the pollutants in the effluent which are limited by such Pretreatment Standard. The report shall also include a record of measured or estimated average and maximum daily flows taken at the designated sampling locations and shall also include any additional information required by Chapter 12.08 TMC, and/or the user's wastewater discharge permit, including information necessary to determine whether the user is complying with Best Management Practices(s), required under the user's wastewater discharge permit. In cases where the Pretreatment Standard or wastewater discharge permit requires compliance with a Best Management Practice, the user shall submit documentation required by the Director or the Pretreatment Standard necessary to determine the compliance status of the user. Flows shall be reported on the basis of actual measurement, provided that, if the Director finds that the cost or feasibility of such actual measurements justify, then the Director may accept by prior authorization, reports of average and maximum flows estimated by verifiable techniques. Production data shall be reported if required by the wastewater discharge permit or if the user is subject to concentration limits established by unit production limits specified in the applicable categorical standards.

2. Reports submitted by permittees shall contain all results of sampling and analysis of the discharge performed in accordance with the requirements of 40 CFR Part 136 and amendments thereto, including the flow, nature, and concentration, or production and mass where required by the Director. Reports submitted by permittees shall also contain documentation regarding the permittee's compliance with required Best Management Practices. When sampling and analysis is performed for regulated pollutants for purposes of determining compliance, such sampling and analysis shall be conducted in accordance with 40 CFR Part 136 and shall be reported. The frequency of monitoring by the discharger shall be as prescribed in the wastewater discharge permit issued to the discharger. All analyses shall be performed in accordance with 40 CFR Part 136, which is incorporated herein as though fully set forth, including any amendments thereto. If 40 CFR Part 136 does not include a sampling or analytical technique for the contaminant to be tested, then sampling and analysis shall be performed in accordance with the procedures set forth in "Sampling and Analysis Procedures for Screening of Industrial Effluents for Priority Pollutants," April, 1977 ed., as published by the United States Environmental Protection Agency ("EPA"), together with any amendments thereto, or with any other sampling and analytical procedures approved by the EPA. Sampling and analysis that is performed for regulated pollutants for the purposes of determining compliance shall be conducted in accordance with 40 CFR Part 136. Any sampling and analysis that is conducted more frequently than required herein, and is performed in accordance with the provisions of 40 CFR Part 136, shall be reported.

C. Hazardous Waste Notification. In accordance with 40 CFR Part 403.12(p) Industrial User Hazardous Waste Notification Requirements, all users of the Municipal Sewer System must notify the Science & Engineering Division, the EPA Regional Waste Management Division Director, and State hazardous waste authorities, in writing, of any discharge into the City's Municipal Sanitary Sewer System of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261. Additionally, notification shall be required for discharge of a substance, which, if otherwise disposed of, would be a dangerous waste under Chapter 173-303 WAC. Such notification shall include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the user discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent it is known or readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following 12 months.

These notification requirements do not apply to pollutants already reported under the self-monitoring requirements.

Whenever the EPA or Washington State Department of Ecology publishes final rules identifying additional hazardous or dangerous wastes or new characteristics of hazardous or dangerous waste, a user shall notify the Science & Engineering Division of the discharge of such a substance within 90 days of the effective date of such regulations.

D. Notification of Change in Production Levels. All users shall notify the Science & Engineering Division in advance of any change in the volume or character of pollutants in their discharge, including manufacturing process changes, pretreatment modifications, and the listed or characteristic hazardous wastes for which the user has submitted initial notification under 40 CFR Part 403.12(p). Where discharge permit limits incorporate concentration limits based upon production, the user shall notify the City within two calendar days after the user has a reasonable basis to know that the production level will significantly change within the next calendar month. Any user not providing a notice of such anticipated change will be required to comply with the concentration limits based upon the most recently approved estimate of the long term average production rate.

E. Notification of Potential Problems. Any user shall immediately notify the Science & Engineering Division upon becoming aware of any discharge that may adversely affect the POTW, including slug loads as defined in this chapter. The notification shall include the concentration, volume, corrective actions, and steps being taken to reduce any adverse impact; provided that the user's inability to provide this information shall not excuse the user from providing such information that the user does possess.

F. Notification of Noncompliance. If sampling performed by the user indicates that a violation of this chapter has occurred or is occurring, the user shall notify the Science & Engineering Division within 24 hours of becoming aware of the violation. If sampling performed by the City indicates that a violation of this chapter has occurred or is occurring, the City or the user, if so directed by the City, shall repeat the sampling within five days and submit the results of such analysis within 30 days of becoming aware of the violation, except that the user need not resample if:

1. The City performs sampling at the user's facility at a frequency of at least once per month; or
2. The City performs sampling at the facility between the time the user performs its initial sampling and the time the user receives the results of this sampling.

G. Notification of Changed Discharge. A user shall promptly notify the Science & Engineering Division before making any change which alters the slug load discharge control plan required by TMC 12.08.230 or any substantial change in the volume or character of pollutants in its discharge, including significant manufacturing process changes, pretreatment modifications, and the listed or characteristic hazardous wastes for which the user has submitted initial notification under 40 CFR Part 403.12(p).

H. Signatory Requirements. All user reports must be signed by an authorized representative of the user and contain the following certification statement:

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

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27538 § 10; passed Oct. 24, 2006: Ord. 27003 § 8; passed Nov. 19, 2002: Ord. 26729 § 2; passed Nov. 7, 2000: Ord. 25587 § 14; passed Sept. 20, 1994: Ord. 24879 § 9; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.160 Wastewater monitoring facilities.

A. Each discharger shall provide and operate, at the discharger's expense, a monitoring facility to allow inspection, sampling, and flow measurement of each sewer discharge to the sanitary sewer. Each monitoring facility shall be located on the discharger's premises; provided that where such a location would be impractical or cause undue hardship on the discharger, the Director may allow the facility to be constructed in the public street or sidewalk provided that the facility is located so that it will not be obstructed by landscaping or parked vehicles.

B. There shall be ample room in or near such sampling facility to allow accurate sampling and preparation of samples for analysis. The facility, sampling, and associated equipment shall be maintained at all times in a safe and proper operating condition by the discharger. All monitoring facilities shall be constructed and maintained in accordance with American Public Works Association Standard Specifications and with any City of Tacoma Supplement currently in effect. All devices used to measure wastewater flow and quality shall be calibrated in a manner and frequency by the discharger to ensure their accuracy. Construction shall be completed no later than 180 days of receipt of all necessary permits by the discharger, or within 200 days of the date the discharger was notified that the necessary permits were available for issuance, whichever shall result in the shortest period of time.

(Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27538 § 11; passed Oct. 24, 2006: Ord. 27003 § 9; passed Nov. 19, 2002: Ord. 25587 § 15; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.170 Confidential information.

A. Presumption of Open Records. In accordance with the Public Records Act, (RCW 42.56) information and data that relates to a discharger that is obtained from reports, surveys, wastewater discharge permit applications, wastewater discharge permits, and monitoring programs, and City inspection and sampling activities, shall be available to the public without restriction, unless the discharger requests in writing that certain information contained in a wastewater discharge permit application, or other document (other than information on the effluent), be held as "Confidential Business Information" because disclosure of such information would divulge methods or processes entitled to protection as trade secrets under RCW 42.56.270(11). If the City does not agree that such information is entitled to protection under RCW 42.56, then it shall notify the discharger of such determination.

In the event the City receives a public records request for documents marked "Confidential Business Information," it shall notify the discharger in accordance with RCW 42.56.540, and the discharger may, at its own expense, seek a court injunction to prevent release of the document. If the discharger does not commence an action for injunction relief within ten business days of receiving the City's notice, the City may disclose the document.

B. Violations. During the time that possible violations of this chapter are being investigated by the City, investigation notes, draft orders, worksheets, summaries, and similar documents pertaining to the investigation may be maintained as confidential information to the extent allowed under RCW 42.56. At the time that an enforcement action, if any, is signed thus designating that enforcement action as final, then the confidential status shall terminate, and the document shall be made available for public inspection.

C. Disclosure Pursuant to Government Programs. Nothing in this section shall prohibit the Director from disclosing such information to other officers, employees, or authorized representatives of a governmental agency for uses related to applicable governmental programs, including, but not limited to, the NPDES program, and the pretreatment program.

D. Disclosure Pursuant to Enforcement Activities. Nothing in this section shall prohibit the Director from disclosing such information to other officers, employees, or authorized representatives of a governmental agency pursuant to enforcement proceedings involving the person or entity furnishing the information.

(Ord. 27538 § 12; passed Oct. 24, 2006: Ord. 27285 § 6; passed Nov. 2, 2004: Ord. 25587 § 16; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.180 Emergency suspension of service and revocation of discharge permits.

A. Suspension of Service. The Director may suspend storm drainage services, special approved storm water discharges, and/or wastewater treatment services and the Director may suspend or revoke the wastewater discharge permit of a discharger when the Director finds that an actual or threatened discharge either:

1. Threatens or presents an imminent or substantial danger to the health or welfare of personnel or to the environment;
2. Threatens to or does interfere with the operation of the Municipal Sewer System or causes the City to violate its NPDES permit; or

3. Causes the permittee to violate any pretreatment limitations imposed by the permittee's wastewater discharge permit, or causes the permittee to violate other regulations contained in TMC 12.08.

B. Revocation of Permit Issued in Error. The Director may revoke a wastewater discharge permit issued in error, or issued on the basis of incorrect information supplied by the discharger.

C. Revocation Process. Upon determination by the Director that a wastewater permit shall be revoked, the Director shall take such steps as are reasonably calculated to immediately notify the discharger that the wastewater discharge permit has been revoked. Such immediate notice shall be followed by written notice. A discharger notified of the revocation of the discharger's permit shall immediately cease all discharges.

D. Failure to Comply. In the event the discharger fails to comply with the requirements contained in the Director's written notice, the Director shall have available all remedies provided by law to compel specific compliance with the Director's written notice.

E. Reinstatement of Permit. The Director may reinstate the wastewater discharge permit, and any discontinued services, upon finding that the conditions creating the threat as set forth above have been eliminated, and upon finding that reasonable steps have been taken to prevent a reoccurrence of the conditions that resulted in the threat.

(Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27538 §13; passed Oct. 24, 2006: Ord. 25587 §17; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.190 Prohibited practices; termination of treatment services.

A. Prohibited Practices. A discharger shall not:

1. Fail to accurately report the wastewater constituents and characteristics of its discharge;
2. Fail to report known or reasonably anticipated changes in wastewater constituents or characteristics prior to the changed discharge;
3. Misrepresent or fail to fully disclose all relevant facts in the wastewater discharge permit application;
4. Falsify self-monitoring reports;
5. Tamper with monitoring equipment;
6. Refuse reasonable access to the discharger's premises by representatives of the Director for the purpose of inspection or monitoring; or
7. Violate the conditions of its permit, the provisions of this chapter, or any order of the Director with respect thereto.

B. Termination of Services. The Director may terminate wastewater or storm water services to any discharger who violates any of the provisions of TMC 12.08.190.A, or upon cessation of operations. Exercise of the termination option shall not be a bar to, or a prerequisite for, taking any other action against the discharger. All prior wastewater discharge permits issued to a particular discharger are void upon the issuance of a new wastewater discharge permit to that user.

C. Transfer of Ownership. A wastewater discharge permit is issued to a specific discharger, for a specific operation. All wastewater discharge permits shall be void upon transfer of business ownership.

(Ord. 27538 §14; passed Oct. 24, 2006: Ord. 27003 §10; passed Nov. 19, 2002: Ord. 25587 §18; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.200 Enforcement procedures.

Whenever the Director finds that any person has violated the prohibitions in Chapter 12.08 TMC, including any state and federal regulations the City is authorized to enforce under Chapter 12.08 TMC, the Director shall respond with appropriate enforcement action in accordance with the policies and procedures contained in Tacoma's Enforcement Response Plan (ERP) for wastewater, or Tacoma's Stormwater Compliance Policy (SCP) for stormwater. Enforcement response may be taken against any person who shall at any time cause or contribute to the contamination or recontamination of any waterway and/or its remediated sediments or receiving water within Tacoma city limits. As stated in the ERP and SCP, enforcement remedies may include:

- A. Informal notices, meetings, or telephone calls;
- B. Warning letters;
- C. Notices of violation (NOV);

- D. Notices of violation with civil penalties;
- E. Notices of violation with corrective action orders with and without civil penalties;
- F. Notices of violation with corrective action order requiring a compliance schedule/engineering report in accordance with TMC 12.08.140.E.7;
- G. Stop work orders; and/or
- H. Emergency suspension/termination of service and/or criminal prosecution with penalties.

The choice of enforcement action and the severity of any penalty shall be based on, among other things, the nature of the violation including the amount of damage or risk to the public, or to public resources, the compliance history of the discharger, whether the discharger cooperated with the City by correcting or making good faith attempts to correct the violation, and whether the violation is a repeat violation. Nothing precludes the City from taking escalating forms of enforcement action.

(Ord. 27978 Ex. A; passed Apr. 26, 2011; Ord. 27765 Ex. A; passed Dec. 9, 2008; Ord. 27538 § 15; passed Oct. 24, 2006; Ord. 27003 § 11; passed Nov. 19, 2002; Ord. 25802 § 8; passed Dec. 5, 1995; Ord. 25587 §19; passed Sept. 20, 1994)

12.08.210 Duty to reapply.

A. Duty to Reapply. The permittee shall re-apply for reissuance of a wastewater discharge permit 180 calendar days prior to the permit's expiration. Any permittee holding an unexpired permit may apply in writing for an extension of the permit, provided such application is made at least 180 calendar days prior to the permit's expiration. The Director may extend the permit upon finding that the interests of this chapter are best served by such extension.

B. Application Procedure. For a permit to be reissued, the applicant shall first file an application in writing, on a form furnished by the Director. The Director may require such additional information as deemed necessary to evaluate the applicant's conformance with applicable Federal, State, and local regulations.

(Ord. 25587 §20; passed Sept. 20, 1994)

12.08.220 Operating upsets.

A. Operating Upsets. Any discharger that experiences an operating upset, as defined in TMC 12.08.010, which places the discharger in a temporary state of noncompliance with this chapter or with an applicable pretreatment standard shall inform the Director immediately upon first awareness of the upset. Where such notification is given orally, a written follow-up report shall be filed by the discharger with the Director within five calendar days. The report shall specify:

1. Description of the upset, the cause thereof and the upset's impact on the discharger's compliance status;
2. Duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance is expected to continue, the time by which compliance is reasonably expected to occur;
3. All steps taken or to be taken to reduce, eliminate and prevent recurrence of such an upset or other conditions of noncompliance. The steps

should include but not be limited to reducing and/or controlling production, providing alternate treatment or power supply if feasible, and temporary storage or off-site disposal.

B. Affirmative Defense to Enforcement Actions. An upset shall constitute an affirmative defense to an action brought for noncompliance with applicable pretreatment standards if the requirements of paragraph C are met.

C. Burden of Proof. A user who wishes to establish the affirmative defense of upset shall have the burden of proof. A user may so demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. An upset occurred, and the cause of the upset;
2. The facility was at the time being operated in a prudent manner, and in compliance with applicable operation and maintenance procedures; and
3. The user has submitted the information described in TMC 12.08.220.A in accordance with the provisions of that section.

(Ord. 27538 § 16; passed Oct. 24, 2006; Ord. 25587 § 21; passed Sept. 20, 1994; Ord. 24879 § 11; passed May 21, 1991; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.230 Accidental discharges – Spills.

Each discharger shall provide protection from accidental discharges or spills of materials that are regulated by this chapter.

A. Where deemed necessary by the Director, an Accidental Spill Prevention Plan (ASPP) shall be prepared and implemented by the discharger within 90 days of such determination and shall, at a minimum, contain the following:

1. A description of discharge practices, including nonroutine batch discharges;
2. A description of stored chemicals and potential pollution-generating activities including, but not limited to, industrial processes and material handling;
3. Procedures for immediately notifying the Director of a discharge, including any discharge or spill that would violate a discharge prohibition under 40 CFR Part 403.5(b) and TMC 12.08.020 ;
4. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and/or measures and equipment for emergency response.

B. Review of Plans. Operational and structural BMPs to prevent accidental discharge of prohibited materials to the Municipal Sewer System or receiving waters shall be provided and maintained at the discharger's cost and expense. For new development and redevelopment, detailed plans showing operational and structural BMPs procedures to provide this protection shall be submitted to the Director for review and shall be approved by the Director before construction of the facility. For existing facilities, each discharger, as requested, shall submit its plan to the Director. No discharger who discharges to the Municipal Sanitary Sewer System shall be permitted to introduce contaminants into the system until an Accidental Spill Prevention Plan (ASPP) has been approved by the Director. Review and approval of such plans and operating procedures shall not relieve the discharger from the responsibility to modify its BMPs, as necessary, to meet the requirements of this chapter.

C. Notification Procedures, Liability for Expense. Dischargers shall notify the Director immediately of any changes to a facility that could affect its potential for a slug load discharge, upon the occurrence of an excessive discharge or spill to the City's Municipal Sewer System "slug load," or accidental discharge of contaminants regulated by this chapter. The notification shall include location of discharge, date and time of the discharge, type of waste, concentration of contaminants, volume of discharge, and corrective actions taken. In addition to supplemental charges that may be imposed pursuant to TMC 12.08.610, any discharger who discharges prohibited materials, or who discharges regulated materials in excess of that allowed by this chapter, shall be liable for any expense incurred by the POTW caused by the discharge, including but not limited to:

1. Losses due to damage suffered by the POTW's physical facilities;
2. Any engineering, consultant, inspection, testing, or similar fees paid by the POTW and necessitated by the excessive or accidental discharge, or slug load;
3. All administrative costs incident to the excessive or accidental discharge, or slug load; and
4. Losses due to fines or monetary penalties imposed on the POTW by the state or federal government, attributable to the excessive or accidental discharge, or slug load.

D. Discharger Employee Notification. Signs shall be posted in conspicuous locations on the discharger's premises, advising employees who to call in the event of an excessive discharge, a slug load or accidental discharge. Employers shall instruct all employees who may cause or discover such a discharge with respect to emergency notification procedures.

E. Modification to Accidental Spill Prevention Plan. A permittee who has been required to prepare an Accidental Spill Prevention Plan (ASPP) shall review such ASPP whenever changes occur that could affect the ASPP, but in no event less frequently than annually. Any proposed modifications that are necessary for the ASPP to remain in compliance with the provisions of TMC 12.08.230 shall be submitted to the Director for approval. If the permittee finds that no modifications to the ASPP are necessary, then the discharger shall certify that the ASPP on file with the City is current and shall submit such certification to the Director on January 15 of each year.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27538 § 17; passed Oct. 24, 2006: Ord. 25802 § 9; passed Dec. 5, 1995: Ord. 25587 § 22; passed Sept. 20, 1994: Ord. 24879 § 12; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.240 Records retention.

All dischargers subject to this chapter shall retain and preserve, at the permitted facility, for no less than three years any records, books, documents, memoranda, reports, correspondence, and any and all summaries thereof relating to monitoring,

sampling, and chemical analyses made by or on behalf of a discharger in connection with its discharge or compliance with BMPs required by a permit issued under this chapter. All records which pertain to matters which are the subject of enforcement or litigation activities brought by the Director pursuant hereto shall be retained and preserved by the discharger until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired. The Director shall have the right to copy all records required to be kept by the discharger's permit(s) and/or this chapter.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 25587 § 23; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.300 Holding tank waste.

A. No person in the business of pumping wastes from septic or other holding tanks shall discharge the contents of any holding tank (including, without limitation, septic tank, cesspool or chemical toilet waste) into the Municipal Sanitary Sewer System unless that person has been properly licensed by the City of Tacoma Tax and License Division of the Finance Department and issued a current permit by the Tacoma-Pierce County Health Department. The discharger shall pay the applicable charges and fees and shall meet all other conditions of the Environmental Services Commercial Septage Hauler Policy and Facility Procedures as required by the City. An exception to this requirement is that no license or permit will be required in the case of discharge of domestic wastes from individual mobile home (camper, motor home, camping trailer, etc.) holding tanks; provided that such discharges are made into a City-approved facility designed to receive such wastes.

B. Only domestic wastewater shall be authorized to be discharged into the Municipal Sanitary Sewer System at the POTW. Any other waste, including but not limited to grease traps, oil/water separators, interceptors, or septic tanks comprising waste other than domestic wastewater, or any mixture thereof, shall not be discharged at the POTW, unless authorized by the Director.

C. Any mixture of hazardous or dangerous wastes, as defined by federal, state, or local laws and regulations, regardless of the quantity or ratio, in a holding tank is strictly prohibited from being discharged into the Municipal Sanitary Sewer System.

(Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 25979 § 2; passed Nov. 19, 1996: Ord. 25587 § 24; passed Sept. 20, 1994: Ord. 24879 § 13; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.310 Designation of places and manner of discharge of holding tank contents.

Holding tank pumpers shall discharge waste material at the City's Treatment Plant No. 1, located at 2201 Portland Avenue, unless otherwise directed by the Director. Matter prohibited to be discharged into the Municipal Sanitary Sewer System by this chapter or by other applicable law or regulation shall not be permitted to be so discharged.

(Ord. 25587 § 25; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.320 Discharge of holding tank contents – Charges – Report.

A. A charge shall be made for the total gallons of holding tank waste material discharged at the wastewater treatment plant, and shall be payable to the City Treasurer and credited to the Wastewater Management Fund. The charge shall be as follows:

Effective Date: January 1, 2019:

	From Within the City	From Outside the City
Septic Tank Wastes (Holding, Cesspool, etc.) and Chemical Toilet Wastes	\$14.67/100 gal.	\$16.14/100 gal.

Effective Date: January 1, 2020:

	From Within the City	From Outside the City
Septic Tank Wastes (Holding, Cesspool, etc.) and Chemical Toilet Wastes	\$15.26/100 gal.	\$16.79/100 gal.

B. Prior to the discharge of any material from holding tanks, the operator will correctly identify the source and contents being disposed. Incomplete or inaccurate reporting may result in the application of the highest chargeable rate.

(Ord. 28547 Ex. A; passed Nov. 20, 2018: Ord. 28392 Ex. A; passed Nov. 22, 2016: Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27968 Ex. A; passed Feb. 1, 2011: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27554 § 1; passed Dec. 5, 2006: Ord. 27285 § 7; passed Nov. 2, 2004: Ord. 27003 § 12; passed Nov. 19, 2002: Ord. 26888 § 2; passed Dec. 4, 2001: Ord. 26729 § 3; passed Nov. 7, 2000: Ord. 26526 § 1; passed Nov. 30, 1999: Ord. 26338 § 1; passed Dec. 8, 1998: Ord. 25802 § 10; passed Dec. 5, 1995:

Ord. 25659 § 1; passed Jan. 24, 1995: Ord. 25587 § 26; passed Sept. 20, 1994: Ord. 25521 § 1; passed Jun. 7, 1994: Ord. 24879 § 14; passed May 21, 1991: Ord. 24307 § 2; passed Mar. 7, 1989: Ord. 24049 § 2; passed Mar. 9, 1988: Ord. 23793 § 1; passed Mar. 3, 1987: Ord. 23574 § 1; passed Mar. 4, 1986: Ord. 23309 § 1; passed Dec. 18, 1984: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.330 Sanitary sewage from outside the City.

Sanitary sewage from premises outside the City may be discharged into sanitary sewers only after a permit has been issued by the Director. The permit shall be in the nature of a license, shall not constitute a property right in the holder, and shall be subject to termination at any time at the direction of the Director.

(Ord. 24879 § 15; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.340 Charges and rates for direct wastewater services for properties outside the City.

Persons owning premises outside the City may, upon a written request from the appropriate governing agency and receipt of a side sewer construction permit from the Director, discharge sanitary sewage into sanitary sewers.

Such a permit shall be issued only upon the written application of the owner of the premises and subject to the following terms and conditions:

- A. The applicant for any such permit shall attach to the application a construction permit duly issued to the owner or to that owner's contractor by the appropriate county and/or political subdivision for the construction of a side sewer.
- B. The owner or that owner's licensed contractor shall pay fees and obtain a permit for a side sewer in strict compliance with the specifications of the City governing the construction and maintenance of side sewers then in effect.
- C. The owner shall agree to pay a monthly service charge for wastewater service in an amount computed at 110 percent of the charge to similar customers of the City, as set forth and established pursuant to this chapter as now or hereafter amended.

In addition, whenever the governing jurisdiction of these customers outside the City determine that a utility tax or other fee of that jurisdiction should be collected from those customers, the City shall increase the charge to those customers to cover that added tax and/or fee and/or related administrative expenses and rebate the applicable tax and/or fee to that outside jurisdiction in a manner to be determined by the City.

Where the Director determines that the cost to provide wastewater service to a customer or a group of customers is abnormally higher than the cost to provide regular wastewater service to City customers, due to unusual circumstances, the Director may establish a surcharge based upon that incremental higher cost. The Director will notify affected customers prior to implementing the surcharge.

- D. The owner of the premises to be served by a sanitary sewer shall pay in cash to the City, through the Environmental Services Department, a Connection Charge-in-lieu-of-Assessment computed at the rate of \$55.00 per "Assessable Unit of Frontage" for the premises to be served. This special charge shall be computed in the same manner as sanitary sewer assessments are from time to time computed by the City under Chapter 35.44 RCW relating to local improvement districts. The cost of side sewer construction shall be borne by the owner of the premises.
- E. The Connection Charge-in-lieu-of-Assessment shall apply to and be credited to the benefit of a specific parcel of real property which shall be designated by legal description and shall be posted by the City to appropriate records or ledgers and made a part of the City's permanent records pertaining thereto. No further Connection Charge-in-lieu-of-Assessment shall be collected against said premises.
- F. Future service connections to premises abutting the sanitary sewer main on which a Connection Charge-in-lieu-of-Assessment has not been paid but which adjoins specific premises for which such charges have been charged or paid, shall be subject to the charges as hereinabove set forth as now or hereafter amended.
- G. All Connection Charges-in-lieu-of-Assessment received pursuant to the provisions of this section are nonrefundable and shall be considered capital contributions to the Municipal Sewer System and deposited into the Sewer Utility Fund.
- H. All ordinances, rules, regulations, and procedures relating to the use, maintenance, and connection to sanitary sewers, as the same are now or may hereafter be adopted by the City, shall apply with equal force to each such sanitary sewer connection and any violation of any such ordinance, rule, regulation, or procedure by the owner of any premises connected to a sanitary sewer may result in the disconnecting of said sewer by the City.
- I. The owner of any premises connecting to the sanitary sewers pursuant to the provisions hereof shall permit an inspection of that owner's premises at any and all reasonable times by the City for the purpose of ascertaining whether or not said

connection has been properly made and whether or not the use of such sanitary sewers is in accordance with the ordinances, rules, and regulations of the City pertaining thereto.

J. In the event of a change in ownership, or if the premises are rented, the owner or renter shall be invoiced and pay per subsection C of this section. The failure or refusal to make any such payment when due may result in the disconnecting of the sewer by the City.

(Ord. 28093 Ex. E; passed Oct. 16, 2012: Ord. 27538 § 18; passed Oct. 24, 2006: Ord. 26888 § 3; passed Dec. 4, 2001: Ord. 26729 § 4; passed Nov. 7, 2000: Ord. 25587 § 27; passed Sept. 20, 1994: Ord. 24962 § 1; passed Aug. 13, 1991: Ord. 24879 § 16; passed May 21, 1991: Ord. 24132 § 1; passed Jul. 12, 1988: Ord. 23309 § 2; passed Dec. 18, 1984: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.350 Connection Charge-in-lieu-of-Assessment.

Owners of premises within the City adjacent to and abutting upon the sanitary sewer system and which premises have not been previously assessed under a Local Improvement District (“LID”) under this chapter, or under former TMC 12.08 for a sanitary sewer improvement, may connect those premises to and discharge sewage into the sanitary sewers upon receipt of a permit issued by the Director.

Such permit shall be issued only upon written application to the Director by the owner of the premises to be served and subject to the following terms and conditions:

A. The owner shall obtain all permits and pay all fees necessary and required by the City and shall construct said connecting sewers in compliance with all requirements and specifications of the City governing the same.

B. Except as provided in paragraph E of this section, the owner, prior to the issuance of any permit herein authorized, shall pay in cash to the City a Connection Charge-in-lieu-of-Assessment. This charge shall be computed at the guaranteed rate per “Assessable Unit of Frontage” in effect at the time of construction of the sanitary sewer line to be used to serve the premises of such owners, unless as otherwise provided below. The rate for computation of such Connection Charge-in-lieu-of-Assessment shall be determined as of the date of completion of construction of the particular sanitary sewer line to be so used, as reflected by the rates shown below in Table I.

Construction Date	Rate Per A.U.F.	
	Two Side Service	One Side Service
Prior to September 30, 1957	\$3.25	\$3.25
October 1, 1957 to September 20, 1960	\$3.25	\$4.75
September 21, 1960 to January 15, 1963	\$3.75	\$4.75
January 16, 1963 to November 19, 1968	\$4.50	\$5.50
November 20, 1968 to July 17, 1973	\$5.75	\$9.00
July 18, 1973 to April 8, 1975	\$7.50	\$11.00
April 9, 1975 to December 5, 1978	\$15.50	\$23.00
December 6, 1978 to December 31, 1982	\$20.00	\$38.00
January 1, 1983 to June 2, 1991	\$24.50	\$46.50
June 3, 1991 to June 30, 1994	\$30.00	\$60.00
July 1, 1994 to December 31, 1998	\$40.00	\$80.00
January 1, 1999 to May 31, 2011	\$50.00	\$100.00
June 1, 2011 and thereafter	\$75.00	\$150.00

1. In no case shall the Connection Charge-in-lieu-of-Assessment be less than the rate per “Assessable Unit of Frontage” charged to the original LID participants; therefore, in the event that the rate per “Assessable Unit of Frontage” charged to the original LID participants was higher than the rate set forth in this table, the Connection Charge-in-lieu-of-Assessment shall be equal to the higher rate. In addition to the “Assessable Unit of Frontage” charge calculated according to Table I above, for each connection to the sanitary sewers there shall be charged by the City a flat-rate charge of \$1,250. However, in no case shall the total charge for the connection exceed the charge that would result from using the prevailing guaranteed maximum rate in effect at the time of the connection, unless as otherwise provided below.

2. For connections to any sanitary sewer line built with City funds instead of by LID, and constructed after January 1, 1999, the Connection Charge-in-lieu-of-Assessment for each abutting premises shall be the proportionate share of the actual cost to construct the sanitary sewer line. The proportionate share shall be the ratio of each premises' "Assessable Units of Frontage" to the total units of frontage, multiplied by the actual cost to construct the sanitary sewer line, plus any costs for side sewers. Actual cost to construct the sanitary sewer line shall be defined as the final applicable construction cost plus a 15 percent allowance for engineering, survey, inspection, and administration. In no case shall the connection charge exceed the benefit accruing to each premise. If the charge that would result from using the prevailing guaranteed maximum rate exceeds the proportionate share, the flat-rate charge of \$1,250 shall be added to the proportionate share.

a. The calculation shall use the actual rate charged to the LID participants or the prevailing guaranteed maximum rate in effect at the time of construction, whichever is highest, unless the sewer was built with City funds after January 1, 1999. If the sewer was built with City funds after January 1, 1999, the calculation shall use the prevailing guaranteed maximum rate in effect at the time of connection or the final applicable construction cost plus 15 percent, whichever is highest.

3. Connecting of premises to an existing sanitary sewer which is not adjacent to or abutting the subject premises shall be subject to a Connection Charge-in-lieu-of-Assessment calculated using the higher of the prevailing guaranteed maximum rate in effect at the time of connection.

4. If a sanitary sewer main is extended to be adjacent to or abutting the subject premises, the adjacent or abutting premises, which are identified on the City's Request for Release as having contributed to the costs of the design and construction of the sanitary sewer main, shall be connected to such sanitary sewer main at no additional connection charge, as set forth in subsection C below; provided the owner/developer has submitted "As-Built" drawings to the City depicting the connection and has also executed the City's Certificate of Release.

5. It is the intent of the City that all premises shall pay their fair share of the cost of construction of abutting and adjacent sanitary sewers. The owner of any premises which connects to an existing sanitary sewer without payment of the applicable charges, hereinabove described, owes and shall be required to pay such charges.

6. The "Assessable Units of Frontage" and the amount to be paid thereon at the rate hereinabove specified shall be computed in the same manner as the procedure set forth for LIDs under chapter 35.44 RCW. In addition to the connection charge hereinabove provided for, the total cost of the construction of all sewers so connected shall be borne by the owner of the premises.

C. The Connection Charge-in-lieu-of-Assessment hereinabove provided for shall be credited to and considered as a benefit to the specific premises served by said connection. Said premises so benefited shall be designated by legal description and posted by the City and recorded as a part of the City's permanent records pertaining thereto. No further sanitary sewer connection charge shall be collected against said premises.

D. Future sanitary sewer connections to premises abutting the sanitary sewer main on which a sanitary sewer connection charge has not been paid, but which adjoins specific premises for which such charges have been charged or paid, shall be subject to the charges as hereinabove set forth.

E. The Sanitary Sewer Connection Charges shall be calculated to include a processing fee equivalent to the current fees charged by the County Auditor for recording the Certificate of Payment And Release served under RCW 65.08.180.

F. Septic System Amnesty Program.

1. For residential premises where wastewater service is available, and where the residence is not connected to the sanitary sewer main, a financial incentive, as set forth below, will be offered to encourage the owner to connect to the sanitary sewer main. Effective January 1, 2010, the financial incentive will be offered to owners of commercial premises under the same terms and conditions applicable to residential premises.

a. Where the Connection Charge-in-lieu-of Assessment is applicable, a financial incentive, consisting of a 50 percent reduction in the charge (incentive program) for the subject premises will be available, subject to the availability of funds, as described below, and in accordance with policies set forth by the Director. The remaining 50 percent of that charge may be eligible for financial assistance under the Conservation Loan Program, as set forth in TMC 12.08.640. The City will allocate up to \$500,000 per fiscal year to fund the incentive program. Owners of premises who qualify for the incentive program will be eligible for a 50 percent reduction in their connection charge on a "first-come, first-served" basis until the moneys allocated by the City for the incentive program in a given fiscal year are exhausted.

b. Where an LID was/is formed, the financial incentive will consist of a 50 percent reduction to that assessment for the subject premises in accordance with policies set forth by the Director, subject to the availability of funds, as stated in subsection E.a. above. In the case where all or a part of the assessment has been paid, the appropriate reduction or rebate will be made so that the final cost for the subject premises will be 50 percent of the full assessment amount.

2. The financial incentive program is not available to new premises that are constructed after wastewater service is available to that property. Owners not electing to take advantage of this limited program will be subject to the regular charges such as those specified in subsection B above.

G. All Connection Charges-in-lieu-of-Assessment received pursuant to the provisions of this section are nonrefundable and shall be considered capital contributions to the Municipal Sewer System and deposited into the Wastewater Management Fund.

H. All ordinances, rules, regulations, and procedures relating to the use, maintenance, and connection to sanitary sewers, as the same are now or may hereafter be adopted by the City, shall apply with equal force to each such sanitary sewer connection and any violation of any such ordinance, rule, regulation, or procedure by the owner of any premises connected to a sanitary sewer may result in the disconnecting of said sewer by the City.

(Ord. 28261 Ex. A; passed Dec. 9, 2014; Ord. 28128 Ex. A; passed Feb. 12, 2012; Ord. 27978 Ex. A; passed Apr. 26, 2011; Ord. 27881 Ex. A; passed Mar. 30, 2010; Ord. 27538 § 19; passed Oct. 24, 2006; Ord. 27503 § 1; passed Jun. 27, 2006; Ord. 27285 § 8; passed Nov. 2, 2004; Ord. 26729 § 5; passed Nov. 7, 2000; Ord. 26338 § 2; passed Dec. 8, 1998; Ord. 25521 § 2; passed Jun. 7, 1994; Ord. 24879 § 17; passed May 21, 1991; Ord. 23968 § 1; passed Nov. 3, 1987; Ord. 23309 § 3; passed Dec. 18, 1984; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.360 Charges and rates for wastewater service inside the City limits.

As permitted by Chapter 35.67 RCW, charges shall be made for the discharge and for the availability for discharge of all sanitary sewage into sanitary sewers. If the Director requires construction of an extension to the sanitary sewer system prior to issuance of a side sewer permit, the charge for availability for discharge shall not be made until such time as the sanitary sewer extension is completed. Unless otherwise determined by the Director, no allowances will be made for vacancies, remodeling, or other such activities unless the water service for the entire facility, building, or mobile home court (two or more units) is turned off by the Water Utility of the City. Charges shall be as follows:

A. Each single-family residence (including those instances where more than one family residence is served through one water meter, as hereinbefore mentioned in TMC 12.08.010) shall be charged a monthly charge computed as follows:

Effective Date: January 1, 2019:

- (1) A fixed charge of \$25.87 plus
- (2) A flow charge calculated at \$4.87 per hundred cubic feet (ccf) of water consumption.

Effective Date: January 1, 2020:

- (1) A fixed charge of \$26.91 plus
- (2) A flow charge calculated at \$5.07 per hundred cubic feet (ccf) of water consumption.

The water consumption for the flow charge shall be the average monthly use as measured during the most recent months of December, January, February, and March. If the average consumption results in a fractional part of a ccf, the number used for calculating the flow charge shall be rounded to the nearest one-hundredth of a ccf.

B. Multiple-family residences, accessory dwelling units and mobile home courts (two or more units) served through one water meter shall pay a monthly charge per living unit as above, except that the water consumed during the winter months shall be divided by the total number of living units served by the account to determine the per living unit flow volume. If the average consumption per unit results in a fraction, the number used for calculating the flow charge shall be billed to the nearest one-hundredth of a ccf.

It shall be the duty of every person in possession, charge, or control of the entire premises consisting of two or more units, served by the sanitary sewer system, or to which such service is available, to be accountable for payment of each unit.

Where units in multiple-unit residences are separately metered; each unit shall be charged the appropriate single-family residence rate as set forth in subsection A of this section.

C. In all cases other than residential charges hereinabove set forth, the sewer charge shall be computed and paid as follows:

1. Metered Water Supply. When charges and fees are based upon the water usage, such charges and fees shall be applied against the total amount of water used from all sources unless, in the opinion of the Director, significant portions of water received are not discharged to a sanitary sewer. The total amount of water used from public and private sources will be determined by means of public meters or private meters, installed and maintained at the expense of the user in accordance with Environmental Services Policies and Guidelines. Such public or private meters shall measure flow in cubic feet (cf).

Where more than one commercial/industrial facility is served by one water meter, the user group shall be determined by the activities of the largest water consumption user.

2. Metered Wastewater Volume and Metered Diversions. When charges and fees are based upon water usage and where, in the opinion of the Director, a significant portion of the water received from any metered source does not flow into the sanitary sewer because of the principal activity of the user or removal by other means, the charges and fees will be applied against the volume of water discharged from such premises into the sanitary sewer. Any user seeking a reduction in sewer charges and fees based on a diversion of metered water from the sanitary sewer system shall provide the Director written proof of such diversion for the Director's approval. To establish reduced sewer charges and fees based on such diversion, the user shall, unless clearly demonstrated as impractical, install a submeter of a type and at a location approved by the Director and at the user's expense. A credit adjustment for sanitary sewer overcharges may be granted, upon written application by the user, but only for the three-month period immediately preceding the submeter installation.

Such meters shall measure flow in cubic feet (cf) and shall be maintained at the expense of the user and be tested for accuracy at the expense of the user in accordance with Environmental Services Policies and Guidelines. Within 30 days of notification by the Director that meter repair or testing is required, the user shall provide written confirmation that such repair or testing has been accomplished. Failure to provide such confirmation may result in sanitary sewer charges being based upon the metered water source.

3. Users Installing Irrigation Systems. All users installing irrigation systems shall be required to meter the water usage of the irrigation system by installing, at user's expense, either a metered water supply dedicated solely to the irrigation system or a submeter, which the user shall maintain, to calculate the appropriate reduction of sewer charges.

4. Estimated Wastewater Volume.

a. Users Without Source Meters. In cases where, in the opinion of the Director, it is unnecessary or impractical to install meters, the charges and fees may be based upon an estimate of the volume to be discharged, prepared by the Director. A rational method will be used to estimate the quantity of wastewater discharged and may consider such factors as the number of fixtures, seating capacity, population equivalent, annual production of goods and services, or such other determinations of water use necessary to estimate the wastewater volume discharged.

b. Users With Source Meters. In cases where, in the opinion of the Director, users divert a significant portion of their flow from a public sewer, the charges and fees may be based upon an estimate of the flow and volume to be discharged, prepared by the user and approved by the Director. The estimate must include the method and calculations used to determine the wastewater volume and may consider such factors as the number of fixtures, seating capacity, population equivalents, annual production of goods and services, or such other determinations of water use necessary to estimate the wastewater volume discharged.

c. Where the Director determines that the cost to provide sanitary sewer service to a customer or a group of customers is abnormally higher than the cost to provide regular sanitary sewer service to City customers, due to unusual circumstances, the Director may establish a surcharge based upon that incremental higher cost. The Director will notify affected customers prior to implementing the surcharge.

d. Residential customers who qualify as low-income senior or low-income disabled under TMC 12.06.165 B shall be eligible for a 30 percent reduction from the regular sanitary sewer charges. The determination of low income senior and low income disabled status shall be made as set forth in TMC 12.06.165 B. Individuals must submit an application documenting such determination for review and acceptance by the Director to qualify for this reduction. The effective date for the rate reduction shall be the first day of the billing period in which the Director's acceptance is granted.

(Ord. 28547 Ex. A; passed Nov. 20, 2018: Ord. 28392 Ex. A; passed Nov. 22, 2016: Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27968 Ex. A; passed Feb. 1, 2011: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27649 Ex. A; passed Oct. 23, 2007: Ord. 27554 § 2; passed Dec. 5, 2006: Ord. 27538 § 20; passed Oct. 24, 2006: Ord. 27285 § 9; passed Nov. 2, 2004: Ord. 27138 § 1; passed Sep. 9, 2003: Ord. 27003 § 13; passed Nov. 19, 2002: Ord. 26888 § 4; passed Dec. 4, 2001: Ord. 26729 § 6; passed Nov. 7, 2000: Ord. 26526 § 2; passed Nov. 30, 1999: Ord. 26338 § 3; passed Dec. 8, 1998: Ord. 25979 § 3; passed Nov. 19, 1996: Ord. 25802 § 11; passed Dec. 5, 1995: Ord. 25659 § 2; passed Jan. 24, 1995: Ord. 25587 § 28; passed Sept. 20, 1994: Ord. 25521 § 3; passed Jun. 7, 1994: Ord. 25317 § 2; passed Jun. 8, 1993: Ord. 24962 § 2; passed Aug. 13, 1991: Ord. 24879 § 18; passed May 21, 1991: Ord. 24307 § 3; passed Mar. 7, 1989: Ord. 24049 § 3; passed Mar. 29, 1988: Ord. 23793 § 2; passed Mar. 3, 1987: Ord. 23574 § 2; passed Mar. 4, 1986: Ord. 23309 § 4; passed Dec. 18, 1984: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.362 Charges for fixed-term discharges to the sanitary sewer of effluent from groundwater pump-and-treat systems.

The Director may, at his/her discretion, approve discharges to the sanitary sewer of effluent from groundwater pump-and-treat systems for a specified fixed term. The intent of this section is to provide reasonable discharge locations for this type of effluent to encourage prompt cleanup of contaminated groundwater and is limited to sites regulated by the Department of Ecology and/or the Environmental Protection Agency.

All applicable sections of TMC 12.08, except as otherwise provided herein, shall apply to such discharges.

The requirements of TMC 12.08.140, (Industrial Wastewater Discharge Permits), shall be met prior to any such discharge.

Charges for such discharges shall be as prescribed in TMC 12.08.390 of this chapter, with the additional provision that dischargers may make application to the Director for a credit on only the flow component of their sewer charges for effluent from groundwater pump-and-treat systems. The following criteria shall be used in preparing and reviewing such an application:

- A. The discharger must document to the Director's satisfaction a reduction of surface water runoff that was discharged to the sanitary sewer from the same site or from another site owned by the discharger within the City limits.
- B. To quantify such flow reduction, the peak runoff from a two-year, 24-hour design storm event shall be used.
- C. Any such flow reduction must have occurred within five years of the date of application for the discharge of the groundwater pump-and-treat effluent.
- D. Any such quantity of flow reduction approved by the Director shall be subtracted from the actual groundwater pump-and-treat flow and the discharger shall be charged the applicable rate for any remaining flow.
- E. No credit is allowed under this section for the components of the sewer charge related to constituent strengths and characteristics other than flow.

(Ord. 27538 § 21; passed Oct. 24, 2006: Ord. 25802 § 12; passed Dec. 5, 1995: Ord. 25659 § 3; passed Jan. 24, 1995)

12.08.365 Charges for special approved discharges.

A. Discharge to Sanitary Sewer System.

- 1. The Director may, at his or her discretion, approve discharges to the sanitary sewer system generally for a short-term duration as needed. Application for discharge approval must be accompanied by payment of any fixed administration/application fee(s) and be submitted at least 30 days prior to the requested discharge date.
- 2. Unless otherwise determined by the Director, the charge for short-term discharges to the sanitary sewer system shall be based on the quantity and strength of the wastewater discharged, according to the rate specified in TMC 12.08.390 of this chapter, in addition to the following annual fixed administration fee:

Effective Date: February 5, 1995: Fixed Fee

Under 5,000 gallons	\$200.00
Between 5,000 and 20,000 gallons	\$400.00
Over 20,000 gallons	\$650.00

- 3. As determined by the Director, representative samples may be required to be taken for suspended solids (SS) and biochemical oxygen demand (BOD). Sampling may also be required for total petroleum hydrocarbons (TPH) and any other pollutants suspected to be present in the wastewater. Additional samples may be required at the Director's discretion.

B. Discharge to Storm Drainage System.

- 1. The Director may, at his or her discretion, approve discharges to the storm drainage system under TMC 12.08.080, as necessary. Application for discharge approval must be accompanied by payment of any fixed administrative/application fee(s) and be submitted at least 30 days prior to the requested discharge date.
- 2. The Director, or his or her representative, may require that samples be taken of the proposed discharge to insure compliance with federal, state, and local water quality requirements. Samples will be analyzed based on known and/or suspected pollutants at the site or in the proposed discharge. Sampling and analysis must be completed and reviewed by City staff prior to any discharge to the City's storm drainage system. The Director, or his or her representative, may require additional sampling throughout the duration of the discharge to insure compliance with the above-referenced requirements.

3. Unless otherwise determined by the Director, the charge for discharges of non stormwater to the surface water system under TMC 12.08.080 hereof shall be as set forth herein. This charge will consist of three parts:

Effective Date: January 1, 1997:

- a. An application fee of \$500 per discharge location payable at the time of application of discharge; and
- b. An annual administration fee of \$300 payable no later than January 30 of the year following initiation of discharge and no later than January 30 of each year thereafter if the discharge continues to occur; and
- c. A quantity fee:

Effective Date: January 1, 2019:

\$.0021812 per gallon discharged.

Effective Date: January 1, 2020:

\$.0022575 per gallon discharged.

Payments shall be made in a manner and at the frequency determined by the Director.

(Ord. 28547 Ex. A; passed Nov. 20, 2018: Ord. 28392 Ex. A; passed Nov. 22, 2016: Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27968 Ex. A; passed Feb. 1, 2011: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27554 § 3; passed Dec. 5, 2006: Ord. 27538 § 22; passed Oct. 24, 2006: Ord. 27285 § 10; passed Nov. 2, 2004: Ord. 27003 § 14; passed Nov. 19, 2002: Ord. 26729 § 7; passed Nov. 7, 2000: Ord. 26526 § 3; passed Nov. 30, 1999: Ord. 26338 § 4; passed Dec. 8, 1998: Ord. 25979 § 4; passed Nov. 19, 1996: Ord. 25802 § 13; passed Dec. 5, 1995: Ord. 25659 § 4; passed Jan. 24, 1995: Ord. 25587 § 29; passed Sept. 20, 1994: Ord. 25317 § 3; passed Jun. 8, 1993: Ord. 24879 § 19; passed May 21, 1991)

12.08.368 Charges for TAGRO.

TAGRO products are materials manufactured at least partly from biosolids from the City’s wastewater treatment plants. The City currently manufactures five TAGRO products: TAGRO Cake, TAGRO Liquid, TAGRO Mix, TAGRO Potting Soil, and TAGRO Mulch. If the City manufactures additional TAGRO products, they will be priced in accordance with the provisions of this section.

Definition: A Residential Ratepayer is a private citizen who lives in a private residence within the City limits of Tacoma and has a City of Tacoma wastewater utility account in his or her name.

Private citizens may self-load TAGRO Mix in small containers (i.e., buckets and garbage cans), pickup trucks, and small utility trailers (less than two cubic yards) at no cost, as material is available.

The City may offer TAGRO services and products not covered by this section. TAGRO services may include, but not be limited to, land application of TAGRO products and/or hauling and processing of sludge and biosolids. The Director is authorized to set charges for TAGRO services and is authorized to establish prices for TAGRO products. Any such charges, prices, or adjustments will be established in writing by the Director.

(Ord. 27285 § 11; passed Nov. 2, 2004: Ord. 27095 § 1; passed Jun. 10, 2003: Ord. 26888 § 5; passed Dec. 4, 2001: Ord. 26729 § 8; passed Nov. 7, 2000: Ord. 26338 § 5; passed Dec. 8, 1998: Ord. 25802 § 14; passed Dec. 5, 1995: Ord. 25659 § 5; passed Jan. 24, 1995: Ord. 25317 § 4; passed Jun. 8, 1993)

12.08.370 Classification of users of sanitary sewers.

All users are to be classified by the City either by assigning each one to a “user classification” category according to the principal activity conducted on the user’s premises, by individual user analysis, or by a combination thereof. The purpose of such collective and/or individual classification is to facilitate the regulation of sanitary sewage or wastewater discharges based on sanitary sewage or wastewater constituents and characteristics to provide an effective means of source control, and to establish a system of charges and fees which will ensure an equitable recovery of the City’s cost.

(Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.380 Types of Charges and Fees Relating to Use of Sanitary Sewers.

The charges and fees as established in the City’s schedule of charges and fees relating to use of sanitary sewers may include, but shall not be limited to:

- A. User classification charges;

- B. Fees for monitoring;
- C. Appeal fees;
- D. Charges and fees based on wastewater constituents and characteristics.

The Director is authorized to establish a pilot rate program to determine the suitability of alternative rate classifications in providing equitable recovery of the City’s costs of owning, operating, and maintaining the wastewater treatment system. As part of such pilot rate program, the Director may establish test rate classifications and set rates for each such test rate classification. The pilot rate program and test rate classifications established therein shall be designed to increase the equitable distribution among the users of the City’s costs for sewer operation and maintenance and shall be in the best interest of the rate payers. The rates set for each classification shall be fair and reasonable and each test rate classification created shall be based upon reasonable differences between users as grounds for distinction. The maximum rate set for each test rate classification shall be no higher than the rate that would ordinarily apply to each commercial/industrial user under TMC 12.08.400. The pilot rate program, together with the rate classifications and rates established thereto, is intended to be for a limited duration not to exceed two years.

(Ord. 27372 § 1; passed Jun. 21, 2005; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.390 Basis for determination of commercial/industrial charges for use of wastewater system by monitored users.

Monitored commercial and/or industrial users shall pay the appropriate charges and fees based upon the wastewater constituents and characteristics. Except for test rate classifications established by the Director pursuant to TMC 12.08.380, these charges and fees for use of the wastewater system shall be computed on the basis of wastewater from a domestic premises with the following characteristics:

BOD - 200 milligrams per liter

Suspended Solids - 225 milligrams per liter

Composite rates per 100 cubic feet (ccf) for existing and new users are/will be developed using the following constituent concentration rates.

Effective Date: January 1, 2019:

Flow	\$4.67
Biochemical oxygen demand(BOD)	\$.006864 per mg/1
Suspended solids	\$.0051792 per mg/1
Monthly fixed charge	\$12.50 per calendar month

Effective Date: January 1, 2020:

Flow	\$4.86
Biochemical oxygen demand(BOD)	\$.007176 per mg/1
Suspended solids	\$.0054288 per mg/1
Monthly fixed charge	\$13.00 per calendar month

(Ord. 28547 Ex. A; passed Nov. 20, 2018; Ord. 28392 Ex. A; passed Nov. 22, 2016; Ord. 28261 Ex. A; passed Dec. 9, 2014; Ord. 28128 Ex. A; passed Feb. 12, 2012; Ord. 27968 Ex. A; passed Feb. 1, 2011; Ord. 27765 Ex. A; passed Dec. 9, 2008; Ord. 27554 § 4; passed Dec. 5, 2006; Ord. 27285 § 12; passed Nov. 2, 2002; Ord. 27003 § 15; passed Nov. 19, 2002; Ord. 26888 § 6; passed Dec. 4, 2001; Ord. 26729 § 9; passed Nov. 7, 2000; Ord. 26526 § 4; passed Nov. 30, 1999; Ord. 26338 § 6; passed Dec. 8, 1998; Ord. 25979 § 5; passed Nov. 19, 1996; Ord. 25802 § 15; passed Dec. 5, 1995; Ord. 25659 § 6; passed Jan. 24, 1995; Ord. 25587 § 30; passed Sept. 20, 1994; Ord. 25521 § 4; passed Jun. 7, 1994; Ord. 24879 § 20; passed May 21, 1991; Ord. 24307 § 4; passed Mar. 7, 1989; Ord. 24049 § 4; passed Mar. 29, 1988; Ord. 23793 § 3; passed Mar. 3, 1987; Ord. 23574 § 3; passed Mar. 4, 1986; Ord. 23309 § 5; passed Dec. 18, 1984; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.400 Charge for Commercial/Industrial Wastewater User Groups.

The fixed charge for each commercial or industrial user of wastewater system shall be as follows:

Effective Date: January 1, 2019:

\$12.50 per calendar month

Effective Date: January 1, 2020:

\$13.00 per calendar month

In addition each unmonitored commercial or industrial user placed in a user group shall pay the appropriate flow rate per 100 cubic (ccf) as identified in Table II. All restaurants are initially in the Category 8 (Restaurant II) group. Any restaurant customer may petition the Director to be placed in the Category 6 (Restaurant I) group. The customer must provide the Director with documentation that the restaurant has an approved grease retention device to current Uniform Plumbing Code as adopted in Chapter 2.06 of the Tacoma Municipal Code, and as amended thereafter, and Department Policies and Guidelines, and that the customer has an adequate ongoing maintenance program in place for that device. If the Director concurs, the Director will place that restaurant in the Category 6 (Restaurant I) group as long as those conditions are continually met. In the event that those conditions are not continually met, the Director will place the restaurant back into the Category 8 (Restaurant II) group until the conditions of Department Policies and Guidelines are again met.

If, as a result of a rate increase due to an ordinance change, any specific account of a direct commercial and/or industrial customer would receive an increase in wastewater charges that meet the following criteria, that customer will be eligible to receive a one-time rate mitigation credit:

- A. The percentage increase for that specific account is more than twice the City-wide average increase; and
- B. The percentage increase for that specific account is more than 10 percent; and
- C. The dollar increase as a result of the rate increase for that specific account is more than \$1,000 for the 12 months following implementation of that rate increase.

The credit shall apply to the first 12 months of implementation of the ordinance change and be equal to 50 percent of the increased charges that exceed the first \$1,000 increase for that 12-month period. The credit does not apply to any subsequent year's charges due to the same individual City-wide rate increase. The manner and method of applying the credit shall be determined by the Director.

Table II Rates for Commercial and/or Industrial User Groups		
Effective Date: January 1, 2019		
Billing Category	Constituent Strength limits	Rate (\$/ccf)
Category 8	(BOD 901 + mg/l) (SS 600 mg/l)	\$14.13
Category 7	(BOD 701-900 mg/l) (SS 700 mg/l)	\$13.67
Category 6	(BOD 701-900 mg/l) (SS 400 mg/l)	\$12.09
Category 5	(BOD 501-700 mg/l) (SS 400 mg/l)	\$10.55
Category 4	(BOD 301-500 mg/l) (SS 450 mg/l)	\$10.38
Category 3	(BOD 301-500 mg/l) (SS 0-400 mg/l)	\$8.84
Category 2	(BOD 200-300 mg/l) (SS 150-400 mg/l)	\$7.02
Category 1	(BOD 0-250 mg/l) (SS 0-150 mg/l)	\$6.75

Table II Rates for Commercial and/or Industrial User Groups		
Effective Date: January 1, 2020		
Billing Category	Constituent Strength limits	Rate (\$/ccf)
Category 8	(BOD 901 + mg/l) (SS 600 mg/l)	\$14.70
Category 7	(BOD 701-900 mg/l) (SS 700 mg/l)	\$14.22
Category 6	(BOD 701-900 mg/l) (SS 400 mg/l)	\$12.58
Category 5	(BOD 501-700 mg/l) (SS 400 mg/l)	\$10.98
Category 4	(BOD 301-500 mg/l) (SS 450 mg/l)	\$10.80
Category 3	(BOD 301-500 mg/l) (SS 0-400 mg/l)	\$9.20
Category 2	(BOD 200-300 mg/l) (SS 150-400 mg/l)	\$7.31
Category 1	(BOD 0-250 mg/l) (SS 0-150 mg/l)	\$7.02

(Ord. 28547 Ex. A; passed Nov. 20, 2018: Ord. 28392 Ex. A; passed Nov. 22, 2016: Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27968 Ex. A; passed Feb. 1, 2011: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27554 § 5; passed Dec. 5, 2006: Ord. 27538 § 23; passed Oct. 24, 2006: Ord. 27372 § 2; passed Jun. 21, 2005: Ord. 27363 § 1; passed Jun. 7, 2005: Ord. 27285 § 13; passed Nov. 2, 2004: Ord. 27047 § 1; passed Feb. 25, 2003: Ord. 27003 § 16; passed Nov. 19, 2002: Ord. 26888 § 7; passed Dec. 4, 2001: Ord. 26729 § 10; passed Nov. 7, 2000: Ord. 26526 § 5; passed Nov. 30, 1999: Ord. 26338 § 7; passed Dec. 8, 1998: Ord. 25979 § 6; passed Nov. 19, 1996: Ord. 25802 § 16; passed Dec. 5, 1995: Ord. 25659 § 7; passed Jan. 24, 1995: Ord. 25521 § 5; passed Jun. 7, 1994: Ord. 24879 § 21; passed May 21, 1991: Ord. 24307 § 5, passed Mar. 7, 1989: Ord. 24049 § 5; passed Mar. 29, 1988: Ord. 23793 § 4; passed Mar. 3, 1987: Ord. 23574 § 4; passed Mar. 4, 1986: Ord. 23309 § 6; passed Dec. 18, 1984: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.410 Lack of storm drains. *Repealed by Ord. 24879.*

(Ord. 24879 § 22; passed May 21, 1991: Ord. 23240 § 1; passed Aug 28, 1984)

12.08.420 Water source.

In cases where water to be used to determine the applicable sanitary sewerage charge is from a source other than the City, the user of such water shall meter the water used to produce sanitary sewage, and the meter shall be read regularly by the City.

(Ord. 24879 § 23; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.430 Reconsideration of wastewater rates.

A. There shall be no reduction in rates for any premises to which a sanitary sewer service connection has been made or which is available, unless there is no charge being made for water or water service to such premises, or where monitoring, sampling, and testing prove the rate to be based on erroneous information.

B. If an owner or other person responsible for paying wastewater rates and charges is of the opinion that the user group rate thereof applicable to that owner or person is based on erroneous information, that owner or other person may, in writing, request a review by the Director of the rate by sampling and testing of sanitary sewage and industrial wastewater from the premises served. A user requesting such reconsideration may be eligible for a set of samples and tests by the City Environmental Services Laboratory personnel or, at the owner's or such other person's option, such owner or other person may have an approved outside laboratory perform the sampling and testing. Regardless of outcome, all costs of sampling and testing by such outside laboratory shall be borne by such owner or other person. In any case, such owner or other person must provide adequate and safe facilities for sampling. Costs of subsequent sampling and testing by City personnel, not required to meet federal or state regulations, shall be the responsibility of such owner or other person. If an outside laboratory is employed for testing pursuant to this section, all samples taken shall be split with the Environmental Services Laboratory. Concurrent tests shall be run by the City to corroborate the results. All sampling and testing procedures shall be done according to "Standard Methods" or an alternative approved by the Director. If the results of the tests are within standard deviations for the concentrations used in determining the rates, no rate change will be made. The owner or person seeking reconsideration shall bear all costs for the tests by the City unless the results outside standard deviations indicate a lower composite rate. No retroactive credits or rebates for charges billed while using estimated concentration levels prior to a user's request for sampling will be made.

(Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27538 § 24; passed Oct. 24, 2006: Ord. 26729 § 11; passed Nov. 7, 2000: Ord. 25587 § 31; passed Sept. 20, 1994: Ord. 24879 § 24; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.440 Regular review of wastewater and surface water rates.

The Environmental Services Department shall conduct regular reviews of the wastewater and surface water rates contained herein so as to confirm that all costs to operate the Municipal wastewater and storm drainage systems are being properly recovered according to City ordinances, state laws, and federal regulations.

(Ord. 28093 Ex. E; passed Oct. 16, 2012: Ord. 27968 Ex. A; passed Feb. 1, 2011: Ord. 27960 Ex. A; passed Dec. 14, 2010: Ord. 27003 § 17; passed Nov. 19, 2002: Ord. 26729 § 12; passed Nov. 7, 2000: Ord. 25587 § 32; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.450 New services – Rates.

For new residential services or account holders which have incomplete or no winter flow records available, the monthly flow portion of the charge for sanitary sewerage shall be computed using the flows listed below:

Single-family Dwellings - 6 ccf per month

Multiple-family Dwelling - 5 ccf per unit per month

Except that charges for existing multiple-family dwellings with previous consumption history shall not change solely due to changes in account holder or ownership.

(Ord. 28547 Ex. A; passed Nov. 20, 2018: Ord. 27554 § 6; passed Dec. 5, 2006: Ord. 25802 § 17; passed Dec. 5, 1995: Ord. 25659 § 8; passed Jan. 24, 1995: Ord. 25587 § 33; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.460 Minimum charge.

Every premises to which wastewater service is furnished, and every premises to which there is availability for such service shall be charged for such service in accordance with the rates and charges herein placed in effect; provided, however, that in no event shall any such charge be less than as provided below:

Effective Date: January 1, 2019:

\$25.87 per calendar month

Effective Date: January 1, 2020:

\$26.91 per calendar month

(Ord. 28547 Ex. A; passed Nov. 20, 2018: Ord. 28392 Ex. A; passed Nov. 22, 2016: Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27968 Ex. A; passed Feb. 1, 2011: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27554 § 7; passed Dec. 5, 2006: Ord. 27538 § 25; passed Oct. 24, 2006: Ord. 27285 § 14; passed Nov. 2, 2004: Ord. 27003 § 18; passed Nov. 19, 2002: Ord. 26729 § 13; passed Nov. 7, 2000: Ord. 26526 § 6; passed Nov. 30, 1999: Ord. 26338 § 8; passed Dec. 8, 1998: Ord. 25979 § 7; passed Nov. 19, 1996: Ord. 25802 § 18; passed Dec. 5, 1995: Ord. 25659 § 9; passed Jan. 24, 1995: Ord. 25521 § 6; passed Jun. 7, 1994: Ord. 24879 § 25; passed May 21, 1991: Ord. 24307 § 6; passed Mar. 7, 1989: Ord. 24049 § 6; passed Mar. 29, 1988: Ord. 23793 § 5; passed Mar. 3, 1987: Ord. 23574 § 5; passed Mar. 4, 1986: Ord. 23309 § 7; passed Dec. 18, 1984: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.470 Unlawful installations.

It shall be unlawful to install, change, bypass, adjust, remove, or alter any metering device or any piping arrangement connected to a metering device so as to show the quantity of water used on the premises to be less than the actual quantity used. Persons so tampering with a metering device shall be guilty of theft, and shall be subject to such remedies as may be provided under the Washington Criminal Code, or TMC 8.12.010. The crime of theft shall not be subject to civil penalties, as provided for in this chapter.

(Ord. 27538 § 26; passed Oct. 24, 2006: Ord. 25587 § 34; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.500 Surface water rates and charges.

A. Surface water charges shall be based on the square footage area of each parcel of real property and the land use designation of such parcel. The Director shall determine what rate shall apply to each specific parcel in accordance with this section, and the charge resulting from that determination and application of the other factors herein set forth. Upon request, and based on information provided by the parcel owner, the Director may, in his/her sole discretion determine that the City's use of a surface water or storm drainage or collection system on or at a specific parcel benefits the City's storm drain system and is grounds for reducing surface water drainage charges; except that: (1) collection from single premises and concentrating the flow; (2) collection of surface water which is piped through or underneath the surface of a property; or (3) water which flows via a natural drainage course through a property, shall not constitute such grounds.

1. Wetlands maintained and dedicated by deed restriction for mitigation purposes may be eligible for a reduction of a surface water drainage charge under this section.

2. Open space parcels with forested land cover, as that phrase is defined in TMC 12.08.010, shall be charged a monthly surface water rate of \$8.10 per parcel in 2019, and \$8.36 per parcel in 2020.

3. Parcels contiguous with waterfront/direct discharge parcels which are under common ownership and discharge 100 percent of surface water flow to the contiguous waterfront/direct discharge parcel shall be charged the waterfront/direct discharge rate.

B. For purposes of computing surface water rates under this section, the land use designation shall be the principal activity on the parcel as listed in the North American Industry Classification System (NAICS, 2002), prepared by the Statistical Policy Division of the Federal Office of Management and Budget and adopted hereby for this purpose. The land use category for each parcel will place it in one of the five following specific categories, hereinafter referred to as "Basic Categories of Development," as to each of which the rate per month per 500-square-foot increment of parcel area shall apply:

Effective Date: January 1, 2019:

Basic Category of Development	Rate per Month
Waterfront/Direct Discharge Parcels:	
Undeveloped - First Acre or Less	\$0.1463 per 500 ft ²
Undeveloped - Area in Excess of One Acre	\$0.0616 per 500 ft ²
Light	\$0.4505 per 500 ft ²
Moderate	\$0.6300 per 500 ft ²
Heavy	\$0.9118 per 500 ft ²
Very Heavy	\$1.2210 per 500 ft ²
All Other Parcels:	
Undeveloped – First Acre or Less	\$0.2899 per 500 ft ²
Undeveloped – Area in Excess of One Acre	\$0.0616 per 500 ft ²
Light	\$0.9015 per 500 ft ²
Moderate	\$1.2393 per 500 ft ²
Heavy	\$1.8224 per 500 ft ²
Very Heavy	\$2.4394 per 500 ft ²

Effective Date: January 1, 2020:

Basic Category of Development	Rate per Month
Waterfront/Direct Discharge Parcels:	
Undeveloped - First Acre or Less	\$0.1493 per 500 ft ²
Undeveloped - Area in Excess of One Acre	\$0.0614 per 500 ft ²
Light	\$0.4770 per 500 ft ²
Moderate	\$0.6693 per 500 ft ²
Heavy	\$0.9572 per 500 ft ²
Very Heavy	\$1.2819 per 500 ft ²
All Other Parcels:	
Undeveloped – First Acre or Less	\$0.2921 per 500 ft ²
Undeveloped – Area in Excess of One Acre	\$0.0614 per 500 ft ²
Light	\$0.9324 per 500 ft ²
Moderate	\$1.2886 per 500 ft ²
Heavy	\$1.8824 per 500 ft ²
Very Heavy	\$2.5216 per 500 ft ²

C. Waterfront/direct discharge parcels are those parcels directly abutting Puget Sound with at least 50 feet of frontage, or parcels discharging, by private means, all or substantially all of their surface water directly into the marine waters of Puget Sound. For purposes of computing surface water charges, the area of each parcel shall be rounded to the nearest 500-square foot increment (the area of premises less than 250-square feet shall be set at 500 square feet) and the appropriate rate from Table III shall be multiplied by the number of such increments in the parcel. In addition to the area charge listed above, the City shall charge a monthly fixed fee of:

Effective January 1, 2019: \$8.10

Effective January 1, 2020: \$8.36

D. Single-family residential parcels will be assigned the “Moderate” Basic Category of Development for determination of monthly charges, except that all single-family residential parcels of 15,000 square feet or less inspected by the Environmental Services Department and placed in a different Basic Category of Development shall pay the rate assigned to such Basic Category of Development. Single-family residential parcels of 15,000 square feet or more shall pay at the moderate rate for

the first 15,000 square feet and the remainder at the undeveloped rate, unless the parcel is inspected by the Environmental Services Department and placed in a different Basic Category of Development, in which case the first 15,000 square feet shall pay the rate assigned to such Basic Category of Development and the remainder at the undeveloped rate. The fixed charge will be computed only once per parcel per month, regardless of area.

E. Residential customers who qualify as low-income senior or low-income disabled under TMC 12.06.165 B shall be eligible for a 30 percent reduction from the regular storm drainage charges. The determination of low income senior and low income disabled status shall be made as set forth in TMC 12.06.165 B. Individuals must submit an application documenting such determination for review and acceptance by the Director to qualify for this reduction. The effective date for the rate reduction shall be the first day of the billing period in which the Director's acceptance is granted.

(Ord. 28547 Ex. A; passed Nov. 20, 2018: Ord. 28392 Ex. A; passed Nov. 22, 2016: Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 28093 Ex. E; passed Oct. 16, 2012: Ord. 27968 Ex. A; passed Feb. 1, 2011: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27554 § 8; passed Dec. 5, 2006: Ord. 27538 § 27; passed Oct. 24, 2006: Ord. 27285 § 15; passed Nov. 2, 2004: Ord. 27003 § 19; passed Nov. 19, 2002: Ord. 26729 § 14; passed Nov. 7, 2000: Ord. 26526 § 7; passed Nov. 30, 1999: Ord. 26338 § 9; passed Dec. 8, 1998: Ord. 25979 § 8; passed Nov. 19, 1996: Ord. 25802 § 19; passed Dec. 5, 1995: Ord. 25659 § 10; passed Jan. 24, 1995: Ord. 25521 § 7; passed Jun. 7, 1994: Ord. 25317 § 5; passed Jun. 8, 1993: Ord. 24879 § 26; passed May 21, 1991: Ord. 23792 § 1; passed Mar. 3, 1987: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.510 Billing for storm and surface water sewerage charges.

The City shall bill for storm and surface water sewerage to each and every parcel of real property inside the boundary of the City except only as specifically excluded in TMC 12.08.530. Owners of parcels which are contiguous and have a single land use designation may receive a single bill for storm and surface water sewerage charges for all parcels by having the parcels consolidated on the Pierce County Assessor's tax rolls. Persons responsible for charges for sanitary sewerage or other City utility charges shall be the recipient of the monthly or bimonthly storm and surface water sewerage charges. Owners of vacant property or property not otherwise receiving City utility bills shall be billed for storm and surface water sewerage charges. The owner or other responsible party as listed above may request that storm and surface water sewerage charges be billed to another party by request in writing in form and content approved by the Director. Such request, designation and billing to such other person shall not release any owner or other person from responsibility for payment of City storm and surface water sewerage charges, or release any parcel from the lien for delinquent charges, interest, costs, and fees allowed herein or by applicable law.

(Ord. 27538 § 28; passed Oct. 24, 2006: Ord. 25802 § 20; passed Dec. 5, 1995: Ord. 25587 § 35; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.520 Reconsideration of storm and surface water sewerage charges.

If an owner or other person responsible for paying storm and surface water sewerage charges is of the opinion that the rate thereof and resulting charge applicable to that owner or other person is based on erroneous information, that owner or other person may produce such information as the Director reasonably requires and, if warranted in the reasonable opinion of the Director, the Director shall make an appropriate adjustment to such rate or charge.

(Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.530 Exclusions of certain properties from storm and surface water sewerage charges.

Storm and surface water sewerage charges shall not be levied directly to parcels, other than "open space" parcels, owned and maintained by the Environmental Services Surface Water Utility and any City street, road, alley or right-of-way the storm and surface water drainage function of which has been transferred to and made a part of the Municipal Sewer System by Ordinance No. 21638 passed April 3, 1979; it being expressly found that all such City streets, roads, alleys and rights-of-way provide storm and surface water sewerage to the City by collecting and transporting storm and surface water from multiple individual properties to Storm Sewers of a value equal to the reasonable charge therefor that would otherwise be charged by the City.

(Ord. 28392 Ex. A; passed Nov. 22, 2016: Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 26526 § 8; passed Nov. 30, 1999: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.540 Organized drainage or drainage improvement districts.

Any organized drainage or drainage improvement district in existence on April 1, 1979, the boundary of which is wholly or partly within the boundary of the City on that date, may seek relief from City storm and surface water sewerage charges to the extent that it can prove to the satisfaction of the Director that such district provides storm and surface water sewerage within

the boundary of the City. Nothing herein shall expressly or by implication constitute City or City Council approval or ratification of, or agreement or consent to, any act, undertaking or omission by any such district.

(Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.550 Waterfront properties. *Repealed by Ord. 26526.*

(Ord. 26526 § 9; passed Nov. 30, 1999; Ord. 25979 § 9; passed Nov. 19, 1996; Ord. 24879 § 27; passed May 21, 1991; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.560 Low impact development surface water rate reduction.

A. For parcels that provide additional low impact development BMPs and features beyond that required by the SWMM to mitigate the impacts of development or redevelopment, or if low impact development is used to mitigate existing stormwater discharges that were not required to install low impact development BMPs at the time of development or redevelopment, a rate reduction in the surface water rates applicable to those parcels shall be allowed as approved by the Director, or designee, in accordance with this section. All facilities shall be designed in accordance with the applicable BMPs and requirements of the SWMM. All designs shall be reviewed and approved by the City of Tacoma Environmental Services Department prior to installation.

In order to qualify under this section:

1. The applicant shall submit the request for a rate reduction per this section to Environmental Services prior to construction of the proposed improvements and obtain all applicable permits.
2. Where the system is built for mitigating the impacts of stormwater based on new or redevelopment that has met the thresholds for Minimum Requirement #5 as defined in the most recent version of the SWMM, the owner of the parcel must have obtained the proper permits and constructed the system according to plans approved by the Director, and the system must include LID BMPs or features beyond those required by the minimum requirements of the City's SWMM in effect at the time of development or redevelopment.
3. Where the system is built to provide mitigation for existing stormwater flows and not as a requirement of any new or redevelopment action that requires compliance with SWMM, the system must be approved by the Director prior to construction, the applicant shall obtain proper permits if applicable, the design shall be reviewed and accepted by Environmental Services prior to construction, the applicant shall notify and allow Environmental Services to inspect the system during and after construction and the system shall comply with the applicable BMPs and requirements of the SWMM or the approved plans.
4. The owner shall develop an O&M Manual for the facilities, be responsible for all costs of construction and proper operation and maintenance of such system, and shall submit annual maintenance reports to the Director or designee.
5. The Owner shall enter into a Covenant and Easement Agreement with the City. Due to the voluntary nature of this program, the C&E Agreement shall be recorded to title of the property by the City.

B. The Director or designee reserves the right to inspect all stormwater systems approved or sought to be approved under this section at any time to ascertain that they have been installed in accordance with the approved documents and function properly. If at any time such system fails to function as designed as determined by the Director by appropriate engineering standards, or if the owner fails to submit the annual maintenance reports, the Director may reduce or revoke the rate reduction to reflect the effectiveness, if any, of such system, or the Director may revoke approval of the system irrespective of prior approval by the Director of either the system or plans therefor.

C. The rate reduction allowed under this section shall be as follows:

1. The rate reduction for using low impact development BMPs as designated in the SWMM to mitigate for a portion of stormwater from the site shall be one category of rate reduction.
2. The rate reduction for using low impact development BMPs as designated in the SWMM for full mitigation, defined as mitigation of all surfaces and disturbed areas, shall be two categories of rate reduction.
3. Notwithstanding any rate reduction authorized, permitted or provided for in this section, no rate computation shall be reduced below that applicable to undeveloped land.

(Ord. 28330 Ex. D; passed Nov. 24, 2015; Ord. 28261 Ex. A; passed Dec. 9, 2014; Ord. 28168 Ex. A; passed Sept. 9, 2013; Ord. 28128 Ex. A; passed Feb. 12, 2012; Ord. 27003 § 20; passed Nov. 19, 2002; Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.600 Billing periods, payments, and collections.

A. All bills for wastewater and surface water service charges as set forth herein shall be rendered monthly or bimonthly as shall be determined by the City Manager and shall become due and payable at the office of the City Treasurer or such other places as approved by the City Treasurer on or before the 15th day after the statement has been mailed and shall become delinquent thereafter.

B. For any service charge which becomes delinquent, the party shall be charged a late payment fee as set forth in Chapter 12.01 TMC. Any service charge which becomes delinquent, together with interest, also shall immediately become a lien against the premises served under RCW 35.67.200. Such lien may be foreclosed by the City in the manner provided by Chapter 35.67 RCW. In the event that the City files or releases a lien with the County Auditor, a processing fee will be added to the delinquent amounts owed equivalent to the current fees charged by the County Auditor for filing or releasing a lien. The processing fee will be allocated to Wastewater Management or Surface Water Management Funds, as appropriate, and, for City tax purposes, recorded as revenue. In addition to such foreclosure, a customer whose said Wastewater Management or Surface Water Management account is delinquent shall also be subject to having City water utility services terminated for the subject premises (or other premises owned or rented by the customer), which termination shall continue until satisfactory arrangements are made to satisfy the delinquency.

C. Rates due under this chapter shall be computed by carrying the computation to the third decimal place and rounding to a whole cent using a method that rounds up to the next cent whenever the third decimal place is greater than four.

(Ord. 28261 Ex. A; passed Dec. 9, 2014: Ord. 28160 Ex. A; passed Jul. 9, 2013: Ord. 28128 Ex. A; passed Feb. 12, 2012: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 27538 § 28; passed Oct. 24, 2006: Ord. 27285 § 16; passed Nov. 2, 2004: Ord. 27003 § 21; passed Nov. 19, 2002: Ord. 26729 § 15; passed Nov. 7, 2000: Ord. 25587 § 36; passed Sept. 20, 1994: Ord. 23337 § 4; passed Sept. 10, 1985)

12.08.610 Property owner liability – Supplemental charges.

A. The owner(s) of property, whether inside or outside the City, from which material in violation of this chapter is discharged into the Municipal Sewer System shall be liable to pay any supplemental charges the City incurs to respond to such violation. Liability for supplemental charges under this section shall also apply to any person responsible for discharging a material in violation of this chapter into the Municipal Sewer System, regardless whether they own the property from which the prohibited discharge originates. Assessment of supplemental charges shall be in addition to: (a) any enforcement action the City may pursue under TMC 12.08.670 or TMC 12.08.675 to address a violation of Chapter 12.08 TMC; (b) any cost recovery remedy available to the City under state and federal environmental laws and regulations; and (c) any other remedy available at law to address a violation of Chapter 12.08 TMC.

1. Supplemental charges are all incidental expenses the City incurs responding to a violation covered by subsection A. above. The term “incidental expenses” includes all of the City’s costs to address the violation, including, but not limited to: (a) personnel costs, both direct and indirect; (b) any costs the City incurs to investigate, contain, and abate the discharge, including cleaning up any contamination caused by the discharge that may be present within the Municipal Sewer System, at the point of discharge, and/or in the receiving environment; (c) costs to document and enforce the violation; (d) contracting costs to hire a contractor(s) or consultant(s) and contract payments to such contractor(s) and consultant(s); (e) laboratory cost and analytical expenses; (f) costs for equipment, materials, and supplies; (g) mobilization, transportation, treatment, storage, and disposal costs; (h) attorney’s fees, when authorized; (i) the costs of any required printing or mailing; and (j) the costs of collection for unpaid supplemental charges.

2. Any supplemental charges assessed shall become due and payable to the City within 30 calendar days of receipt of such assessment. Persons wishing to appeal the assessment of supplemental charges may do so in accordance with TMC 12.08.678. If supplemental charges are appealed and affirmed in whole or in part, such charges shall become due and payable within 30 calendar days of receipt of a final decision by the Hearing Examiner or a court. The City may pursue collection of non-payment of supplemental charges by any lawful means authorized, including referral to a collection agency.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27285 § 17; passed Nov. 2, 2004: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.620 Contracts with the state, sewer or water districts and other municipal corporations.

Whenever, in view of the sanitary and storm and surface water sewerage requirements of the City, the Municipal Sewer System has adequate capacity, the City may contract with the state, with any incorporated sewer district or water district which is successor by merger with a sewer district or with any other municipal corporation for the discharge into the Municipal Sewer System of sanitary sewage, or wastewater, or storm or surface water, from any state property or all or any part or parts of such sewer or water district or municipal corporation, or for discharge into the system of sewers of any sewer

or water district or municipal corporation of sanitary sewage, wastewater, or storm or surface water, from any part or parts of the City, upon such terms and conditions and for such periods of time as may be deemed reasonable.

(Ord. 27285 § 18; passed Nov. 2, 2004: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.630 Sewer fund created.

There be and is hereby created in the Treasury of the City a special fund to be known as the “Sewer Utility Fund.” Any and all revenues received for the use of the Municipal Sewer System as set forth herein, from revenues received from the sale of byproducts from a treatment facility of the Municipal Sewer System or from any other source for rental, use, or services rendered by the Municipal Sewer System, shall be credited to this fund and all expenses for the operation, maintenance, and repair of the Municipal Sewer System shall be charged to this fund. It is intended that in enacting this section that Section 13 of Ordinance No. 13989, passed October 4, 1950, be substantially reenacted hereby.

(Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.640 Environmental Services Conservation Loan Program.

There is established in the City a new program to be known as the “Environmental Services Conservation Loan Program” (“Program”). The Treasurer of the City is hereby authorized to transfer sufficient funds from the Wastewater Management or Surface Water Management Fund, as appropriate, to the Conservation Loan Fund in order to administer the Program. Disbursement of funds from the Conservation Loan Fund shall be made in the manner as provided by law.

Moneys allocated to the Conservation Loan Fund are to be used exclusively to provide loans for City of Tacoma wastewater or surface water customers to purchase and install materials and equipment that help conserve conveyance and treatment capacity in the City’s stormwater or sanitary sewer system and/or reduce pollution in discharges to the wastewater treatment plants or waters of the state. Except as provided by law, loans shall be secured by a lien against the benefited property or a security interest in the equipment benefited, and the Conservation Loan Fund shall be sustained by borrower payments, which shall include reasonable interest. The Director shall determine and administer the policies and operation of the Environmental Services Conservation Loan Program. The Director is authorized to implement any and all remedies to collect the payments for the loans, which may include foreclosure of the liens and/or security interests, as well as terminating water service to the premises.

(Ord. 27003 § 22; passed Nov. 19, 2002: Ord. 26729 § 16; passed Nov. 7, 2000: Ord. 26338 § 10; passed Dec. 8, 1998)

12.08.650 Board of Review. *Repealed by Ord. 24879.*

(Ord. 24879 § 28; passed May 21, 1991: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.660 Falsifying information. *Repealed by Ord. 25587.*

(Ord. 25587 § 37; passed Sept. 20, 1994: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.670 Violation – Penalties.

Any person found guilty of willfully violating, without sufficient cause, any of the provisions of this chapter, or permit or order issued pursuant to this chapter, is guilty of a gross misdemeanor, and on conviction shall be punished by a fine of up to \$5,000.00, or by imprisonment for up to 365 days, or by both such fine and imprisonment. Each day's violation may be deemed a separate offense and shall be subject to a penalty assessment for each day during the period of violation.

(Ord. 25587 § 38; passed Sept. 20, 1994: Ord. 24307 § 7; passed Mar. 7, 1989: Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.675 Notice of violation – Civil penalties.

A. Notice of Violation. When the Director finds that a civil violation of this chapter has occurred or is occurring, then the Director may issue a notice of violation to the person responsible for the violation. The issuance of a notice of violation represents a determination that a violation of this chapter has occurred or is occurring. The notice of violation may include civil penalties, corrective action orders, as well as corrective action/compliance schedules under TMC 12.08.140.E.7. The determination is final unless a hearing is requested as provided for in this chapter.

B. Content of Notice. The notice of violation shall include the following information:

1. The name and address of the person responsible for the violation; and
2. The street address where the violation has occurred or is occurring or, in the alternative, a description sufficient for identification of the building, premises, or land upon which the violation has occurred or is occurring; and

3. A description of the violation and a reference to the provision(s) of the City of Tacoma regulation which has been violated; and
4. A statement establishing a civil penalty, corrective action order, and/or compliance schedule, as applicable; and
5. A statement that the notice of violation represents a determination that a violation of the provisions of Chapter 12.08 TMC has occurred, and that the determination is final unless a hearing is requested within 30 days from the date of the notice; and
6. A statement indicating that any hearing scheduled as a result of an appeal may be canceled if the Director finds that the violator has complied with the actions required by the notice; and
7. A statement that a civil penalty in an amount not to exceed \$5,000 for each violation, for every day the violation continues, may be assessed against the person to whom the notice of violation is directed; and
8. A statement of the options available to respond to the notice of violation and the procedures necessary to exercise these options.

C. Service of Notice. The Director shall serve the notice of violation upon the person to whom it is directed, either personally or by mailing a copy of the notice of violation to such person at the person's last known address, postage prepaid by certified mail with return receipt requested, or by first-class mail. Proof of service shall be established by the date and signature of the addressee on the certified mail "return receipt" form, or upon the third day following the date upon which the notice of violation was placed in the mail, unless the third day falls on a Saturday, Sunday, or legal holiday, in which event service shall be deemed complete on the end of the next day which is neither Saturday, Sunday, or a legal holiday. If the person to whom the notice of violation is directed cannot after due diligence be personally served within Pierce County, and if an address for mailed service cannot after due diligence be ascertained, then notice shall be served by posting a copy of the notice of civil violation conspicuously on the property or structure where the violation occurred, or is occurring. In this circumstance, proof of service shall be made by a written declaration under penalty of perjury executed by the person effecting the service, declaring the time and date of service, the manner by which the service was made, and if service is made by posting, then the facts showing that due diligence was used in attempting to serve the person personally or by mail.

D. Civil Penalty. In enforcement actions, under this chapter, where a civil penalty is assessed, the civil penalty for each separate violation per day or portion thereof shall be in an amount not to exceed \$5,000. Each and every violation shall be a separate and distinct offense. In case of a continuing violation, every day's continuance shall be a separate and distinct violation. Every person who, through an act of commission or omission, procures, aids, or abets in the violation shall be considered to have violated the provisions of this chapter and shall be subject to the penalty herein provided. Failure to take corrective action as specified in a corrective action order issued by the Director under Chapter 12.08 may subject the recipient to a civil penalty in an amount not to exceed \$5,000 for each day of continued noncompliance.

E. Continued Duty to Correct. Payment of the civil penalty does not relieve the person to whom the notice of violation was issued of the duty to correct the violation.

F. Collection of Penalty. The civil penalty constitutes a personal obligation of the person to whom the notice of civil violation is directed. Any civil penalty assessed shall be paid to the City of Tacoma within 30 calendar days of receipt of such notice or, if appealed, within 30 calendar days of receipt of the Hearing Examiner's decision or a notice from the City that penalties are due.

G. Any person who has received a notice of violation shall respond to such notice within 30 days of the date of the notice. For the purposes of this section, a response may take the following forms:

1. If the person receiving the notice of violation does not contest the terms of such notice, the person shall respond within thirty (30) days by paying any civil penalties that may be assessed, and by taking any corrective actions that may be required by the Director. The Director shall not be bound by the corrective action or the amounts of civil penalties contained in the notice of civil violation, and the Director may make such modifications to the notice as will accomplish the purposes of this chapter.
2. If the person decides to contest the notice of violation, including any civil penalties, orders, requirements, decisions, or determinations that may be contained within such notice, the person shall file a written appeal with the Hearing Examiner within thirty (30) days from the date the notice of violation was received. The date of receipt shall be established according to the proof of service requirements set forth in TMC 12.08.675.C. above. . The person shall file the appeal by submitting it, either by mail or in person, with the office of the Hearing Examiner.

H. Hearing Before the Hearing Examiner.

1. Notice. A person to whom a notice of civil violation is issued that has filed a request for a hearing before the Hearing Examiner will be scheduled to appear at a prehearing before the Hearing Examiner not less than 15 calendar days after the request for hearing has been filed.

2. **Prior Correction of Violation.** The hearing before the Hearing Examiner may be canceled if the person to whom a notice of civil violation is issued agrees in writing to comply with the requirements of the notice.

3. **Procedure.** The Hearing Examiner shall conduct a hearing in the notice of violation appeal pursuant to the requirements of Chapter 1.23 TMC, and the City of Tacoma Office of Hearing Examiner Rules of Procedure for Hearing. The person to whom the notice of civil violation was directed shall have the right to file a written answer to the charge. The person to whom the notice of civil violation was directed shall have the right to appear at the hearing represented by legal counsel, and may participate as a party. The Director may appear in proceedings under this chapter, and may, but need not, be represented by the City Attorney. Each party may call and cross-examine witnesses, and be fully heard. The burden of proof in such hearings shall be governed by TMC 1.23.070.C. The determination of the Director as to the need for the required corrective action shall be accorded substantial weight by the Hearing Examiner in determining the reasonableness of the required corrective action. The Hearing Examiner may call witnesses on the Examiner's own motion, and compel the production of books, records, papers, and such other evidence needed by the parties. To that end, the Hearing Examiner may issue subpoenas and subpoenas duces tecum at the request of any party. All testimony shall be given under oath administered by the Hearing Examiner.

4. **Decision of the Hearing Examiner.** Pursuant to Chapter 1.23 TMC, the Hearing Examiner shall make, and fully record in the Hearing Examiner's permanent records, findings of fact, conclusions of law, and an order of disposition. The Hearing Examiner shall determine whether the City has established that a violation has occurred and whether the required corrective action is reasonable. The Hearing Examiner's order shall affirm, vacate, or modify the City's decisions regarding the alleged violation and/or the required corrective action, with or without written conditions. The Hearing Examiner shall issue an order to the person responsible for the notice of civil violation which contains the following information:

- a. The decision regarding the alleged violation including findings of fact and conclusions based thereon in support of the decision;
- b. The required corrective action;
- c. The date and time by which the corrective action must be completed; and
- d. The civil penalties assessed.

I. **Assessment of Civil Penalties.** Civil penalties assessed by the Director shall be in accordance with the provisions of this section. Civil penalties shall be reasonably calculated to achieve compliance with, and deter future violation of, the Tacoma Municipal Code. In reviewing a civil penalty assessed by the Director, the Hearing Examiner shall consider the following factors:

1. Whether the person against whom the notice of civil violation was issued responded to staff attempts to contact that person, and whether the person against whom the notice of civil violation was issued cooperated with efforts to correct the violation;
2. Whether the person against whom the notice of civil violation was issued failed to appear at the hearing;
3. Whether the violation was a repeat violation;
4. Whether the person against whom the notice of civil violation was issued showed due diligence and/or substantial progress in correcting the violation;
5. Whether a genuine code interpretation issue exists; and
6. Any other relevant factors.

J. **Notice of Decision.** The Hearing Examiner shall mail a copy of the decision to the appellant and to the Director within 10 days of the Hearing Examiner's decision.

K. **Failure to Appear.** Failure on the part of the person to whom the notice of civil violation was issued constitutes an admission to the violations alleged. If the person to whom the notice of civil violation was issued fails to appear at the scheduled hearing, the Hearing Examiner will enter an order finding that the violation occurred, and assessing the appropriate civil penalty. The City will carry out the Hearing Examiner's order, and recover all related expenses.

L. **Appeal to Municipal Court.** If the Hearing Examiner orders any person to pay a civil penalty, that person may appeal, in the form of a trial de novo, to the Tacoma Municipal Court.

1. The Tacoma Municipal Court shall hear the case according to the Civil Rules for Courts of Limited Jurisdiction, and applicable local rules of the Court.
2. Appeal shall be taken by filing in the Tacoma Municipal Court a notice of appeal within 14 days of the Hearing Examiner's order. The person filing the appeal shall also, within the same 14 days, serve a copy of the notice of appeal on the Hearing Examiner, the Director, the City Attorney, and shall file an acknowledgment or affidavit of service in the Tacoma Municipal Court.

M. Nonexclusive Remedy. The provision for civil penalties is not exclusive, and civil penalties may be used together with other remedies that may exist in law or in equity, except that no act or omission that is defined as a crime by Washington or federal statutory law shall incur a civil penalty.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27538 § 30; passed Oct. 24, 2006: Ord. 27285 § 19; passed Nov. 2, 2004: Ord. 27003 § 23; passed Nov. 19, 2002: Ord. 25587 § 39; passed Sept. 20, 1994: Ord. 24879 § 29; passed May 21, 1991)

12.08.677 Dischargers in significant noncompliance.

Industrial Dischargers found by the Director to be in significant noncompliance, as defined in 40 CFR Part 403 and Chapter 12.08 TMC during a 12-month period may be listed and their names published annually in a newspaper of general circulation that provides meaningful public notice within the jurisdiction(s) served by Tacoma.

(Ord. 27978 Ex. A; passed Apr. 26, 2011: Ord. 27765 Ex. A; passed Dec. 9, 2008: Ord. 25802 § 21; passed Dec. 5, 1995: Ord. 25587 § 40; passed Sept. 20, 1994)

12.08.678 Appeals of orders, requirements, decisions and determinations.

Any person wanting to contest an order, requirement, decision, or determination made by the Director in enforcing the provisions of this chapter to the Hearing Examiner shall file a written appeal with the Hearing Examiner and request a hearing within thirty days of receipt of such order, requirement, decision, or determination. The date of receipt shall be established according to the proof of service requirements set forth in TMC 12.08.675.C. above. The Hearing Examiner shall conduct a hearing in the appeal of an order, requirement, decision, or determination by the Director pursuant to the requirements of TMC 1.23, and the City of Tacoma Office of Hearing Examiner Rules of Procedure for Hearing. The burden of proof in such hearings shall be governed by TMC 1.23.070.C. In exercising such powers of review, the Hearing Examiner may, in conformity with the provisions of the law, reverse or affirm the Director's order, requirement, decision, or determination in whole or in part, or may modify the order, requirement, decision, or determination and make such order as appears just to the Hearing Examiner.

(Ord. 27538 § 31; passed Oct. 24, 2006: Ord. 25587 § 41; passed Sept. 20, 1994)

12.08.680 Severability – Saving.

If any portion of this chapter, as now or hereafter amended, or its application to any person or circumstances, is held invalid, unenforceable or unconstitutional, such adjudication shall not affect the validity of this ordinance or of this chapter, as now or hereafter amended, or any section, provision or part hereof or thereof not adjudicated to be invalid, unenforceable or unconstitutional, and its application to other persons or circumstances shall not be affected.

(Ord. 23240 § 1; passed Aug. 28, 1984)

12.08.700 Utility Reimbursement Agreements Wastewater and Surface Water Utility Improvements.

A. Purpose. The purpose of this section is to prescribe rules and regulations for exercise of the authority to enter into a Utility Reimbursement Agreement granted to the City pursuant to RCW 35.91.

B. Definitions. As used in this section, the terms listed below shall be defined as follows:

“Applicant” means any private individual or corporation using private funds to install Wastewater or Surface Water improvements in a public right-of-way that will benefit other property owners (Latecomers) who will develop their properties after said improvements.

“Cost of Construction” means those costs incurred for design, acquisition for right-of-way and/or easements, construction, materials, and installation required in order to create an Improvement which complies with City standards. Until such time as RCW 35.91 is amended to expressly authorize inclusion of interest charges or other financing costs, such expenses shall not be included in the calculation of construction costs. In the event of a disagreement between the City and the Applicant concerning the cost of the Improvement, the Director’s determination shall be final.

“Director” means the Director of the Environmental Services Department or his or her designated representative.

“Improvements” means all Wastewater and Surface Water improvements and appurtenances required by the City that provide benefits to properties to other than those owned or otherwise controlled by the Applicant.

“Latecomer” means any private individual or corporation that benefits from Wastewater or Surface Water improvements installed by others, providing these Improvements are subject to a valid Latecomers agreement.

“Owner” means the builder or developer of a Wastewater or Surface Water system improvement.

“Utility Reimbursement Agreement” means a written contract between the City and one or more property owners providing for construction of water or sewer facilities and for partial reimbursement to the party causing such improvements to be made of a portion of the costs of such Improvements by owners of property benefited by the Improvements, as more specifically described in RCW 35.91.

“Utility Reimbursement Area” means the area served in being benefited by the system, as defined above.

“Wastewater or Surface Water Facilities” shall have the meaning specified in RCW 35.91.020 as it now reads or as hereafter amended.

C. Project Requirement. In order to be eligible for a Utility Reimbursement Agreement, the estimated cost of the proposed Improvement must not be less than \$25,000. This ordinance may be applied to any facility that has not been fully accepted as operational by the City on or after January 1, 2005. The estimated cost of the Improvement shall be determined by the Director, based upon a construction contract for the project, bids, engineering or architectural estimates, or other information deemed by the Director to be a reliable basis for estimating costs. The determination of the Director shall be final.

D. Application. An application for a Utility Reimbursement Agreement shall be made on a form provided by the City. The application fee shall be set by the Director and shall be submitted to the City with the written application and shall be accompanied by:

1. Preliminary utility design drawings;
2. Itemized estimate of construction costs prepared and signed by a licensed civil engineer or in the form of a bid submitted by a qualified contractor (if more than one bid has been obtained, all bids must be submitted to the City);
3. A scaled vicinity drawing, stamped by a licensed civil engineer or licensed land surveyor depicting the improvements and their location and the proposed benefited area, including dimensions and county assessor’s numbers for each tax parcel, size of parcels, and evaluations where necessary for determining benefits;
4. The proposed list of properties within the Utility Reimbursement Area, stating the proposed reimbursement amount;
5. A complete list of record owners of property within the proposed Utility Reimbursement Area certified as complete and accurate by the Applicant and which states names and mailing addresses for each such owner;
6. Envelopes addressed to each of the record owners of property within the Utility Reimbursement Area who have not contributed their pro rata share of such costs. Proper postage for certified mail shall be affixed or provided;
7. A separate legal description for each tax parcel within the benefited area;
8. Such other information as the Director determines is necessary to properly review the application; and
9. An application fee of \$300.

E. Length of Reimbursement Provision. No Utility Reimbursement Agreement shall provide for reimbursement for a period of longer than fifteen (15) years from the date of final acceptance of the improvements by the City.

F. Director’s Determination.

1. The Director shall review all applications and shall approve the application only if the following requirements are met:

- a. The project satisfies the minimum size requirement, Section C; and
- b. The proposed Improvements fall within the description of Surface Water or Wastewater Facilities, as those terms are described in RCW 35.91; and
- c. The proposed improvements are not completed prior to January 1, 2005. After December 31, 2006, application will have to be made prior to commencing construction of the system.

2. In the event all of the above criteria are not satisfied, the Director may condition approval, as necessary, in order for the application to conform to such criteria, or shall deny the application. The final determination of the Director shall be in writing.

G. Determination of Utility Reimbursement Area Boundary and Reimbursement Fee. In the case of all approved applications, the Director shall define the Utility Reimbursement Area based upon a determination of which parcels did not contribute to the original cost of the water or sewer facility for which the Utility Reimbursement Agreement applies and which may subsequently tap into or use the same, including not only those which may connect directly thereto, but also those who may connect to laterals, branches, or pump stations connecting thereto. An estimated amount of the reimbursement fee shall be established so that each property will pay a share of the costs of the Improvements that is proportional to the benefits accruing

to the property. The reimbursement fee shall be calculated by dividing the area of the property being connected to the system by the overall area that is benefited by the system; this amount shall be multiplied by the Cost of Construction.

H. Utility Reimbursement Agreement Must Be Recorded. In order to become effective, a Utility Reimbursement Agreement must be recorded with the office of the Pierce County Department of Records and Elections. It shall be the sole responsibility of the beneficiary of the Utility Reimbursement Agreement to verify the agreement has been recorded.

I. Written Agreement—City Payment of City Costs in Excess of Application Fee.

1. Upon approval of the application, determination of the estimated Cost of Construction, the Utility Reimbursement Area, and estimated fees by the Director, the Applicant shall sign a Utility Reimbursement Agreement in the form supplied by the City. The signed agreement, the application, and supporting documents, together with the Director’s estimate of the Cost of Construction and determination of Utility Reimbursement Area and estimated fees shall be drawn into a written agreement between the City and the Applicant.

2. In the event that costs incurred by the City for engineering or other professional consultant services required in processing the application exceed the amount of the application fee, execution of the agreement shall be conditioned upon receipt of payment by the Applicant of an additional amount sufficient to compensate the City for its costs in excess of the application fee.

J. Construction and Acceptance of Improvement—Recording of Final Fees.

1. After the Utility Reimbursement Agreement has been signed by both parties and all necessary permits and approvals have been obtained, the Applicant shall construct the Improvement and, upon completion, request final inspection and acceptance of the Improvement by the City, subject to any required obligation to repair defects. An appropriate bill of sale, easement, and any other document needed to convey the Improvement to the City and to ensure right of access for maintenance and replacement shall be provided, along with documentation of the actual costs of the Improvement and a certification by the Applicant that all of such costs have been paid.

2. In the event that actual costs are less than the Director’s estimate used in calculating the estimated fees by 10 percent or more, the Director shall recalculate the fees, reducing them accordingly, and shall cause a revised list of fees to be recorded with the county auditor.

K. Notice to Property Owners. Prior to execution of any contract with the City establishing a Utility Reimbursement Agreement, the Director, or his or her designee, shall provide notice, via certified mail, to all record property owners within the Utility Reimbursement Area. As defined by the City on the basis of information and material supplied by the Applicant stating the preliminary boundaries of such an area and assessments along with substantially the following statement: “As a property Owner within the Utility Reimbursement Area, whose preliminary boundaries are enclosed with this notice, you or your heirs and assigns will be obligated to pay, under certain circumstances, a pro rata share of construction and contract administration costs of the certain Wastewater or Surface Water Utility project that has been preliminarily determined to benefit your property. The proposed amount of such pro rata share is also enclosed with this notice. You or your heirs and assigns shall be required to pay said share before any development permits are issued for development on your property within 15 years of the date that a contract establishing such area is recorded with Pierce County, provided your development would have required similar Surface Water or Wastewater Utility Improvement for approval. You have the right to request a hearing before the Director within twenty (20) days of the date of this notice. All such requests must be made in writing and filed with the City Clerk. After the Utility Reimbursement Agreement has been recorded, it shall be binding on all owners of record within the Utility Reimbursement Area who are not a party to the Utility Reimbursement Agreement.”

L. Collection of Reimbursement Fees.

1. Subsequent to the recording of a Utility Reimbursement Agreement, the City shall not permit connection of any property within the Utility Reimbursement Area to any sewer or water facility constructed pursuant to the Utility Reimbursement Agreement, unless the share of the costs of such facilities required by the recorded agreement is first paid to the City.

2. Upon receipt of any reimbursement fees, the City shall deduct a 15 percent administrative fee and remit the balance of the reimbursement fees to the party entitled to the fees pursuant to the agreement. In the event that, through error, the City fails to collect a required reimbursement fee prior to approval of connection to a sewer or water facility, the City shall make diligent efforts to collect such fee, but shall under no circumstances be obligated to make payment to the Applicant entitled to reimbursement, or in any other way be liable to such party, unless such reimbursement fee has actually been paid to the City.

M. Segregation of Reimbursement Fees. The Utility Reimbursement Agreement shall provide that the City is authorized to make segregation or adjustments to reimbursement fees because of subdivision or boundary line adjustment of the benefited properties. The segregation or adjustment shall generally be made in accordance with the method used to establish the original reimbursement fees. Segregation or adjustment shall not increase or decrease the total reimbursement fees to be paid.

N. Disposition of Undeliverable Reimbursement Fees. In the event that, after reasonable effort, the party to which the reimbursement fees are to be paid, pursuant to a Utility Reimbursement Agreement, cannot be located and upon the expiration of one hundred eighty (180) days from the date the fees were collected by the City, the fees shall become the property for the City and shall be revenue to the City Wastewater and Surface Water utilities.

O. Rights and Nonliability of the City. The City reserves the right to enter into any Utility Reimbursement Agreement or to reject any application thereof. All applications for Utility Reimbursement Agreements shall be made on the basis that the Applicant releases and waives any claims for any liability of the City in establishment and enforcement of Utility Reimbursement Agreements. The City shall not be responsible for locating any beneficiary or survivor entitled to benefits by or through Utility Reimbursement Agreements.

P. Severability. If any section, sentence, clause, or phrase of this section should be held to be invalid or unconstitutional by a court of competent jurisdiction, such invalidity or unconstitutionality shall not affect the validity or constitutionality of any other section, sentence, clause, or phrase of this chapter.

Q. City Funding. As an alternative to financing projects under this section solely by owners of real estate, the City may join the financing of Improvement projects and may be reimbursed in the same manner as in the owners of real estate to participate in the projects, if the City has specified the conditions of its participation in an ordinance. As another alternative, the City may create a Utility Reimbursement Area on its own initiative, without the participation of a private property owner, finance the cost of the Surface Water or Wastewater Utility Improvement, and become the sole beneficiary of the reimbursements that are contributed. The City may be reimbursed only for the cost of the Improvement that benefit that portion of the public who will use the developments within the Utility Reimbursement Area established pursuant to this section. No City costs for the Improvement that benefits the general public may be reimbursed.

R. Director’s Action. If any owner of property within the proposed Utility Reimbursement Area requests a hearing in writing within twenty (20) days of the mailing of the property owner notification, a hearing shall be held before the Director, notice of which shall be given to all affected property owners in addition to the regular notice requirements specified by this code, the cost of which shall be borne by the Applicant. At a hearing, the Director shall take testimony from affected property owners and make a final determination of the area boundaries, the amount of assessments, length of time for which reimbursement shall be required, and shall authorize the execution of appropriate documents. The Director’s ruling of these matters is determinative and final. If no hearing is requested, the Director may consider and take final action on these matters at any public meeting twenty (20) days after notice was mailed to the affected property owners.

(Ord. 28093 Ex. E; passed Oct. 16, 2012; Ord. 27502 § 1; passed Jun. 27, 2006)

12.08.720 Side Sewer Condition Education Requirement.

A. Purpose. The purpose of this section is to establish the distribution requirements for private side sewer educational flyers at the time of sale, major building remodel or additions to properties within the City of Tacoma, in order to educate property owners on the conditions of private side sewers, and to encourage the reduction in quantity of inflow and infiltration into the sanitary sewer system. The educational flyer distribution requirements take effect on December 1, 2010. The City encourages owners to be proactive in making private side sewer or building repairs to eliminate infiltration and inflow to the sanitary sewer system. The City offers financial assistance to qualified customers through the Environmental Services Conservation Loan Program, per TMC 12.08.640, to aid with the cost of performing private side sewer repairs or replacement.

B. Definitions. As used in this section, the terms listed below shall be defined as follows:

“Cleanout” means a section of pipe that extends from the underground private side sewer to the ground surface which is used to access the private side sewer for the purposes of cleaning and inspecting the private side sewer.

“Condominium” means real property, portions of which are designated for separate ownership and the remainder of which is designated for common ownership solely by the owners of those portions. Real property is not a condominium unless the undivided interests in the common elements are vested in the unit owners and unless a declaration and a survey map and plans have been recorded, pursuant to RCW 64.34.020.

“Direct Connection” means any piped connection to the private side sewer that conveys stormwater or surface water to the sanitary sewer system. Examples of direct connections include roof drains, sump pumps, footing drains, area drains, yard drains, and driveway drains.

“Director” means the Director of the Environmental Services Department or his or her designated representative.

“Educational Flyer” means the document prepared by the City that provides educational information to property owners regarding the condition of side sewers and private ownership and maintenance responsibilities.

“Infiltration” means any groundwater that makes its way into the private side sewer via defects in the pipe, such as cracks, holes, unsealed joints, and root penetrations.

“Inflow” means any water that is dumped or conveyed into the sanitary sewer system through improper or direct connections. Examples of improper or direct connections include roof drains, footing drains, area drains, yard drains, and driveway drains.

“Private Side Sewer” means the sewage conveyance pipe owned by the property owner that extends from approximately two feet outside of a building or structure to the connection at the public sanitary sewer main. In most circumstances, a portion of the private side sewer extends into public streets or alleys connecting to the public sewer main.

“Public Sewer Main” means the network of common sewage conveyance pipes that are owned, maintained, and operated by the City of Tacoma.

“Real Estate Professional” means the person(s) responsible for representing a buyer/seller or potential buyer/seller in the purchase transaction of a real property.

“Sell or Transfer of Title” means the sale or transfer of an entire real property estate or the fee interest in that real property estate and does not include the sale or transfer of a partial interest, including a leasehold.

“Owner” means any private individual or corporation that holds the title to a real property as shown by the Pierce County Assessor’s records.

C. Educational Flyer Distribution Requirement.

1. Effective December 1, 2010, property owners shall be provided with an educational flyer in the following circumstances:

- a. Prior to the sale or transfer of title for a real property that contains any building or structure with a private side sewer connecting to the public sewer main. The educational flyer shall be provided to the buyer and seller by the real estate professional(s) representing the buyer and seller.
- b. Prior to issuance of a building permit for a “substantial building renovation” (as defined in Chapter 2.06.070). The educational flyer shall be provided to the permit applicant by the City at the time of permit application. If the permit applicant is not the property owner, the educational flyer shall be provided to the property owner by the permit applicant.
- c. Prior to issuance of a building permit for any new buildings or additions to existing buildings in which the new structures or additions may be constructed over the top of the existing private side sewer. The educational flyer shall be provided to the permit applicant by the City at time of permit application. If the permit applicant is not the property owner, the educational flyer shall be provided to the property owner by the permit applicant.

2. This section shall not apply to any of the following:

- a. Transfer of title from one co-owner to one or more other co-owners.
- b. Transfer of title made to a spouse or to a person or persons in the lineal line of consanguinity of one or more of the transferors.
- c. Transfer of title between spouses resulting from a decree of dissolution of marriage or a decree of legal separation or from a property settlement agreement incidental to a decree.
- d. Condominiums, as defined in TMC 12.08.720.B.

D. Property owners are solely responsible for the construction, maintenance, operations, repairs, or replacement of the private side sewer and any surface reconstruction requirements when performing said repairs.

E. Violation – Penalties.

Persons who violate this section are subject to the enforcement provisions set forth in TMC 12.08.675, including a Notice of Violation and issuance of a corrective order under TMC 12.08.675.A and civil penalties assessed under TMC 12.08.675.D.

(Ord. 28093 Ex. E; passed Oct. 16, 2012; Ord. 27948 Ex. A; passed Nov. 16, 2010; Ord. 27934 Ex. A; passed Sept. 28, 2010; Ord. 27901 Ex. A; passed Jun. 29, 2010; Ord. 27857 Ex. A; passed Dec. 8, 2009)

12.08.740 Side Sewer and Sanitary Sewer Availability Manual.

All work necessary to repair, rehabilitate, replace, or construct new private side sewers shall be performed pursuant to a permit issued by the Director and in accordance with the standards set forth in the City of Tacoma’s Side Sewer and Sanitary Sewer Availability Manual.

(Ord. 27978 Ex. A; passed Apr. 26, 2011)

12.08.870 Payment In-Lieu-of Construction Program.

A. Purpose. This section establishes the Payment In-Lieu-of Construction Program (“Program”). Application for the Program is voluntary and not mandatory. This Program shall be available for qualified new development and redevelopment projects required to mitigate for stormwater impacts per Minimum Requirement #6 – Water Quality Treatment, or Minimum Requirement #7 – Flow Control, as defined in the City of Tacoma Stormwater Management Manual (“SWMM”). Property owners, or authorized persons on their behalf, may apply to the Director under this Program to pay a system development charge in-lieu-of constructing stormwater treatment and/or flow control best management practices on the project site. The available capacity of a regional stormwater facility to provide stormwater treatment and/or flow control for mitigation of stormwater impacts (“Mitigation Capacity”) will be allocated to qualifying benefitted premises under this Program. A system development charge will be assessed to reimburse the City for the historic capital costs to construct or expand regional stormwater facilities to provide mitigation capacity for projects approved under the Program. A maintenance surcharge may also be applicable to offset the additional maintenance costs resulting from the new or expanded regional stormwater facilities benefitting such properties.

All applications for the Program must be reviewed and approved by the Director.

B. Benefitted Premises.

For purposes of this Program, the phrase “benefitted premises” shall mean and refer to the specific parcel(s), tract(s), or lot(s), or portions thereof, the development or redevelopment of which has been approved under this Program for mitigation of associated stormwater impacts in-lieu-of constructing individual stormwater treatment and/or flow control best management practices on the project site. Such benefitted premises, and associated improvements, shall be described in the voluntary payment agreement.

C. Regional Stormwater Facility. For purposes of this Program, the phrase “regional stormwater facility” shall mean and include (1) a single stormwater facility designed to provide water quality and/or flow control for a large region or portion of a basin or subbasin and designated by the Director to be utilized under the Program to provide mitigation capacity, and (2) multiple stormwater facilities that are designed to provide water quality and/or flow control for a large region or portion of a basin or subbasin and designated by the Director to be utilized under the Program to collectively provide mitigation capacity.

D. Voluntary Payment Agreement. For purposes of this Program, the phrase “voluntary payment agreement” shall mean and refer to that agreement entered into, by, and between the property owner and the City which sets forth the terms and conditions pursuant to which the applicant agrees to pay a system development charge in consideration for the City’s covenant to make mitigation capacity available to mitigate stormwater impacts associated with development or redevelopment of the benefitted premises.

E. System Development Charge. A system development charge is a charge assessed to the property owner which represents the property owner’s equitable share of the present worth of capital cost associated with the City-owned regional stormwater facilities that will be designated under the Program to mitigate for stormwater impacts associated with the permitted project. An applicant qualified under this Program shall be assessed a system development charge. The system development charges are different for each regional stormwater facility in the Program or group of facilities. The methodology for calculation of the system development charge is defined in the City of Tacoma Regional Stormwater Facility Plan and is based on the present worth of capital costs for each facility. The system development charge for each regional stormwater facility included in the Program shall be established by ordinance of the City Council.

F. Calculation; Payment. The amount of surface area requiring stormwater mitigation will be calculated based upon the proposed project as approved with a City of Tacoma construction permit. An applicant cannot pay for and reserve mitigation capacity within a regional stormwater facility for potential future mitigation needs. Each system development charge assessed shall be paid to the City at the time of construction permit issuance.

G. Maintenance Surcharge. A maintenance surcharge may be assessed upon the benefitted premises in addition to the surface water rate or charges. The maintenance surcharge is intended to equitably recover the maintenance costs associated with the regional stormwater facility. For purposes of this section, the term “maintenance” shall mean and include ongoing maintenance, operation, repair, and replacement. For purposes of this section, the term “maintenance costs” shall mean, as applicable, (1) the total costs of maintenance of a regional stormwater facility for which all, or substantially all, of the capacity of the regional stormwater facility to provide stormwater treatment and/or flow control is allocated to provide mitigation capacity under this Program, or (2) the total increase in the costs of maintenance of a regional stormwater facility that has been expanded to provide mitigation capacity under this Program.

The maintenance surcharge will be calculated by multiplying the total maintenance costs for the regional facility by the percentage of total mitigation capacity of the regional facility allocated to the benefitted parcel. The maintenance surcharge for each regional stormwater facility included in the Program shall be established by ordinance of the City Council.

H. Rules and Regulations. The Director is authorized to develop and publish rules and regulations implementing this Program; provided that, such rules and regulations shall be consistent with the provisions of this section.

I. Qualification. In order to qualify for the Program outlined under this section:

1. The applicant shall submit a completed Program application, on forms provided by the Department, prior to final approval of construction permits for the proposed project;
2. The proposed project must be considered a new development or redevelopment project, as those terms are defined in the City of Tacoma SWMM;
3. The proposed project must be located in an area defined by the City of Tacoma Regional Stormwater Facility Plan and the regional stormwater facility specific ordinance;
4. The Director must determine that the regional stormwater facility has mitigation capacity available for the proposed project;
5. Projects shall comply with all applicable portions of the City of Tacoma SWMM and City of Tacoma Regional Stormwater Facility Plan;
6. The applicant shall provide all information requested by the City that is reasonably related to qualification for the Program; and
7. The property owner shall execute a voluntary payment agreement with the City, in a form approved by the Director and the City Attorney. The benefitted premises shall be designated in the voluntary payment agreement.

The covenants set forth in the voluntary payment agreement shall, upon recording with the Pierce County Auditor, or successor, be credited to and considered as a benefit to the benefitted premises running with the land; provided that, the City's covenants shall not apply to additional stormwater mitigation required for redevelopment or new development of any portion of the benefitted premises. It shall be the responsibility of the applicant to timely record the voluntary payment agreement as provided herein and submit a copy of the recorded agreement to the Director. The City shall maintain a copy of the agreement in the City's permanent records.

(Ord. 28371 Ex. A; passed Jul. 26, 2016)

APPENDIX E
December 2019 Ecology Letter



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • 360-407-6300

711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

February 20, 2020

Matthew Symington
Operations Supervisor
City of Tacoma
2201 Portland Avenue
Tacoma, WA 98421

Re: National Pollutant Discharge Elimination System (NPDES) Permit No. WA0037214,
City of Tacoma Northend Wastewater Treatment Plant

Dear Matthew Symington:

Your December 2019 Discharge Monitoring Report (DMR) indicates that your discharge did not comply with your permit requirements.

<u>Monitoring Parameter</u>	<u>Sample Measurement</u>	<u>Permit Requirement</u>
BOD 5-Day (AVW)	<2,702 lbs/day	1,998 lbs/day
TSS (AVW)	2,979 lbs/day	2,557 lbs/day

<u>Monitoring Date</u>	<u>Monitoring Parameter</u>	<u>Sample Measurement</u>	<u>Permit Requirement</u>
12/20/2019	Flow	22.9 mgd	15.8 mgd

Failures to meet permit limits are violations of your NPDES permit. You should be aware that violations are subject to enforcement action including administrative orders to correct the problem and/or civil penalties, in accordance with Chapter 173-220-230 of the Washington Administrative Code (WAC).

If your violations are chronic, you should contact us and tell us what steps you are taking to bring your facility back into compliance. Noncompliance reporting is a condition of your permit.

If you have any questions regarding this matter (or if our information is incorrect), please contact your facility manager, Vicky Epp, at vicky.epp@ecy.wa.gov, by phone at 360-407-6318; or you can call me at greg.zentner@ecy.wa.gov or by phone at 360-407-6368.

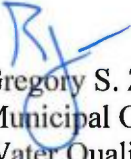


Matthew Symington

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If you need technical assistance, please contact your facility manager or call our technical assistance specialist Carl Jones by e-mail at carl.jones@ecy.wa.gov or by phone at 360-407-6431.

Sincerely,



Gregory S. Zentner, P.E., Supervisor
Municipal Operations Unit
Water Quality Program
Southwest Regional Office

GZ:CC(tacoma north)

cc: Kirk Elliott, City of Tacoma
Vicky Epp, Ecology
Permit Compliance File