



Lacey ▪ Olympia ▪ Tumwater ▪ Thurston County

ANNUAL PRETREATMENT REPORT

NPDES Permit # WA0037061

Reporting Period:
January 1, 2024, through December 31, 2024

LOTT CLEAN WATER ALLIANCE

500 Adams St NE
Olympia WA 98501

For more information regarding this report, please contact:

Justin Boyes
LOTT Environmental Program Manager
Office: (360) 664-2333, ext. 1108
Direct: (360) 528-5728
Fax: (360) 664-2336
E-mail: justinboyes@lottcleanwater.org

I have personally examined and am familiar with the information submitted in this document and its attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete.

02-26-2025

Date

Matthew J. Kennelly, P.E.
Executive Director
LOTT Clean Water Alliance

2024 Annual Pretreatment Report

Table of Contents

<u>Subject</u>	<u>Pages</u>
Cover Sheet	1
Program Summary	2.1-2.22
Results of Priority Pollutant Sampling	3.1-3.9
Local Limits Evaluation	4
Industrial Survey	5.1-5.7
SIU Compliance Summary	6
NSCIU Compliance Summary	7
Compliance Comparisons	8.1-8.9
Annual Pretreatment Performance Summary	9

2024 ANNUAL PRETREATMENT PROGRAM REPORT

Contents

INTRODUCTION.....	2.1
INDUSTRIAL USER SURVEY ACTIVITY	2.1
INDUSTRIAL USER NOTIFICATION.....	2.1
INDUSTRIAL USER INSPECTIONS	2.1
Permitted IU Inspections	2.1
Non-Permitted IU Inspections	2.2
Automotive Facility Inspections	2.2
Food Service Establishment (FSE) Inspections.....	2.3
PARTNER/INTERAGENCY COLLABORATIONS	2.5
Partner Referrals.....	2.5
Joint Inspections	2.6
PFAS and NDMA sampling	2.8
STEP Load Coordination and Sampling	2.8
INDUSTRIAL USER CHANGES	2.9
Permitted IU reclassification	2.9
Wastewater Discharge Permits Renewed in 2024.....	2.9
New Wastewater Discharge Permits Issued in 2024.....	2.9
Wastewater Discharge Permits Canceled in 2024	2.9
INDUSTRIAL USER MONITORING SCHEDULE	2.9
ENFORCEMENT ACTIVITY	2.10
POTW INTERFERENCE OR PROBLEMS	2.12
RESOURCE SUMMARY	2.12
PROGRAM CHANGES	2.13
Minor Modifications to the Pretreatment Program in 2024	2.13
Substantial Modifications to the Pretreatment Program in 2024.....	2.13
Proposed Minor Modifications to the Pretreatment Program in 2025	2.13
Proposed Substantial Modifications to the Pretreatment Program in 2025.....	2.13
ORDINANCE AND RESOLUTION.....	2.13
BITP INFLUENT METALS LOADING TRENDS.....	2.14
BITP INFLUENT METALS LOADINGS	2.15
BITP EFFLUENT METALS LOADING TRENDS.....	2.16
BITP EFFLUENT METALS LOADINGS	2.17
BITP BIOSOLIDS METALS LOADING TRENDS.....	2.18

BITP REMOVAL EFFICIENCY TRENDS.....	2.19
MWRWP INFLUENT METALS LOADING TRENDS	2.20
MWRWP FINAL EFFLUENT METALS LOADING TRENDS	2.21
MWRWP REMOVAL EFFICIENCY TRENDS	2.22

INTRODUCTION

The LOTT Clean Water Alliance (LOTT) implements a pretreatment program via a multijurisdictional agreement with its partners; the cities of Lacey, Olympia, Tumwater, and Thurston County. Under this agreement, LOTT establishes discharge regulations, conducts industrial user (IU) surveys to identify IUs, determine the need for wastewater discharge permits, and conducts facility inspections to determine if IUs are complying with the partner's municipal code.

The LOTT Discharge and Industrial Pretreatment regulations are adopted in each partner's municipal code. When LOTT determines an IU is not in compliance, the partner jurisdiction follows up with enforcement under their municipal code. This report details pretreatment activities for 2024.

INDUSTRIAL USER SURVEY ACTIVITY

LOTT surveys non-residential sewer users in Lacey, Olympia, and Tumwater as part of its NPDES Permit requirements. Surveys identify businesses and organizations that may be subject to sewer ordinance regulations and help to characterize any pollutants discharged to the sewer system.

LOTT receives notices from partner jurisdictions about planned developments. This allows LOTT to notify potential business of pretreatment requirements. LOTT reviewed 75 plan reviews in 2024.

In addition to plan reviews, LOTT surveys existing facilities to determine their current waste practices. Approximately 44 IU surveys were conducted in 2024.

INDUSTRIAL USER NOTIFICATION

40 CFR 403.8(f)(2)(iii) requires Publicly Owned Treatment Works (POTW) to notify IUs of applicable Pretreatment Standards and any applicable requirements under sections 204(b) and 405 of the Clean Water Act and subtitles C and D of the Resource Conservation and Recovery Act. There were no new federal pretreatment regulations requiring IU notification in 2024.

INDUSTRIAL USER INSPECTIONS

Permitted IU Inspections

Wastewater discharge permits are issued to IUs and contain site-specific controls including discharge prohibitions, sampling, notification, and reporting requirements. IUs that are required to obtain permits either perform a specific regulated wastewater generating process, discharge over 25,000 gallons of water per day, or have reasonable potential to harm the POTW. LOTT inspected all permitted IUs in 2024.

PERMITTED INDUSTRIAL USER FACILITY INSPECTIONS			
Name	Jurisdiction	Inspection Date	Sample Date
Georgia Pacific Corporation	Olympia	6/11/2024	6/11/2024
Pepsi NW Beverages	Tumwater	8/7/2024	8/7/2024
Crown Cork and Seal	Olympia	8/8/2024	8/8/2024

PERMITTED INDUSTRIAL USER FACILITY INSPECTIONS			
Port of Olympia	Olympia	10/3/2024	-
A & R Aviation Services	Tumwater	10/24/2024	10/24/2024
Winsor Fireform, LLC	Tumwater	10/29/2024	-
J R Setina Manufacturing	Olympia	10/30/2024	-
American Benchmark Machine Works	Tumwater	10/31/2024	-
Earth Friendly Products	Lacey	11/7/2024	-
TCWARC	Lacey	11/13/2024	11/13/2024

Non-Permitted IU Inspections

IUs that are not required to obtain discharge permits must still comply with the LOTT Discharge and Industrial Pretreatment Regulations. In addition to routine inspections of Food Service Establishments, and Dental Offices, other non-permitted IUs are inspected. These inspections are conducted as follow-up to IU surveys, to determine if the facility is complying with the partner jurisdiction's municipal code, and to determine if a wastewater discharge permit is necessary. Below are the non-permitted IU inspections LOTT conducted in 2024.

NON-PERMITTED INDUSTRIAL USER FACILITY INSPECTIONS		
Name	Jurisdiction	Inspection Date
Heritage Distillery Co	Tumwater	1/11/2024
Olympia Regional Airport	Tumwater	1/18/2024
Glacken Fabrication	Lacey	5/3/2024
Capital Campus Powerhouse and Heating Plant	Olympia	7/23/2024
Tops Countertops	Lacey	12/10/2024
World Class Distribution Center	Lacey	12/18/2024
Border States Electric	Lacey	12/20/2024

Automotive Facility Inspections

In 2023, LOTT reviewed and updated its IU database of automotive and vehicle repair facilities. After updating the database, Best Management Practices for oil and water separator maintenance/spill prevention and an informational handout were developed.

In 2024, LOTT began an inspection campaign of automotive facilities. The purpose was to provide technical assistance to automotive facilities and verify compliance with the LOTT regulations. LOTT performed the following actions during inspections:

- Checked the condition of oil and water separators
- Reviewed dangerous waste and material storage areas
- Reviewed spill prevention plans and employee training

Below are the Automotive Facility inspections LOTT conducted in 2024. LOTT plans to continue this campaign in 2025.

NON-PERMITTED INDUSTRIAL USER FACILITY INSPECTIONS		
Name	Jurisdiction	Inspection Date
Rainier Dodge	Olympia	5/15/2024
Bruce Titus Automotive / Olympia Nissan	Olympia	5/30/2024
Capitol City Honda	Olympia	6/4/2024
Olympia Mazda	Olympia	6/25/2024
Mullinax Ford	Olympia	6/27/2024
Volkswagen Of Olympia	Olympia	7/3/2024
Titus-Will Hyundai	Olympia	7/31/2024
Capitol City Honda	Olympia	8/30/2024
Olympia Mazda	Olympia	8/30/2024
Titus-Will Chevrolet Buick Cadillac	Olympia	9/5/2024
The Wave Car Wash	Lacey	11/1/2024
Valvoline Instant Oil Change	Lacey	11/1/2024

Food Service Establishment (FSE) Inspections

LOTT conducts inspections of FSEs to ensure that they are properly maintaining their grease interceptors. During inspections, grease and sediment levels in the interceptor are checked, pumping records reviewed, and the FSE is required to clean the grease interceptor if the inspector determines it is necessary.

Criteria for determining if a grease interceptor needs to be cleaned include quantities of grease that exceed twenty five percent of the grease interceptor's working volume, evidence of backups, excessive grease built up above the water level, and free-floating grease in the effluent. If the grease interceptor is missing parts such as baffles, then the business is required to repair the interceptor.

LOTT also receives reports from pumper companies detailing their cleaning activities. Pumper reports help to prioritize inspections by either identifying deficiencies that require follow up, or by identifying businesses that are adequately cleaning their interceptor which makes them a lower priority for inspection.

LOTT conducted a total of 89 FSE inspections in 2024 and received approximately 328 pumper reports. Below are the FSE inspections LOTT conducted in 2024.

FOOD SERVICE ESTABLISHMENT INSPECTIONS		
Company name	Jurisdiction	Inspection Date
Fresh Pho & Ding Tea	Lacey	1/3/2024
Pattaya Thai	Olympia	1/19/2024
Cove 22	Olympia	1/23/2024
Nocturnal Hound	Tumwater	1/25/2024
Hot Ginger Pho	Lacey	2/1/2024

FOOD SERVICE ESTABLISHMENT INSPECTIONS		
O'Blarney's Irish Pub Restaurant	Olympia	2/5/2024
Biscuit House	Tumwater	3/12/2024
Best Western-Tumwater Inn	Tumwater	3/26/2024
Burger King #7782	Tumwater	3/26/2024
Jack In The Box #8471	Tumwater	3/26/2024
Plaza Jalisco	Tumwater	3/26/2024
Taco Bell Trosper Rd #35316	Tumwater	3/26/2024
Garcon de Donburi	Olympia	4/8/2024
Seoul Garden	Lacey	4/9/2024
Toast Mi	Lacey	4/16/2024
Applebee's Neighborhood Grill	Lacey	4/17/2024
Jasmine Thai	Lacey	4/17/2024
Super Chix	Lacey	4/22/2024
Crumble Cookie	Olympia	4/26/2024
Pawsific Northwest Cat Café	Olympia	4/26/2024
Crumble Cookie	Olympia	4/29/2024
Olive Garden Italian Restaurant	Olympia	4/30/2024
Cup of Swords	Olympia	5/2/2024
Ram Bighorn Brewery	Lacey	5/3/2024
Anthony's Hearthfire Grill	Olympia	5/7/2024
Jack In The Box #8343	Lacey	5/7/2024
Thurston County Accountability and Restitution Center	Tumwater	5/7/2024
Safeway #1173 Marvin	Lacey	5/8/2024
Ilk Lodge	Olympia	5/10/2024
Cider Barrel	Olympia	5/13/2024
Starbucks #17936	Lacey	5/29/2024
The Leaning Maple	Olympia	6/4/2024
Tumwater Taco	Tumwater	6/4/2024
The Craft Brew District	Tumwater	6/5/2024
Ralph's Thriftway	Olympia	6/6/2024
Carl's Jr	Lacey	6/10/2024
Hong's Boba	Tumwater	6/12/2024
The Reef	Olympia	6/13/2024
Blue Heron Bakery	Olympia	6/24/2024
1889 Prime Steakhouse	Olympia	7/10/2024
Hilton Garden Inn	Olympia	7/17/2024
Hops n Drops	Lacey	7/17/2024
Oyster House	Olympia	7/24/2024
Starbucks #17936	Lacey	8/1/2024
New Main Chinese Buffet	Lacey	8/6/2024

FOOD SERVICE ESTABLISHMENT INSPECTIONS		
Bottles and Bites	Olympia	8/20/2024
New Star Seattle Properties	Tumwater	8/20/2024
Pattaya Thai	Olympia	8/29/2024
Sushi Train	Lacey	9/4/2024
Khoi LLC	Lacey	9/27/2024
Sparks by Hilton	Tumwater	10/15/2024
Yummy Crab	Lacey	10/17/2024
Jack In The Box #8471	Tumwater	10/28/2024
Toast Mi	Lacey	11/7/2024
Vern's Food and Farm	Olympia	11/19/2024
Garcon de Donburi	Olympia	11/21/2024
Ram Bighorn Brewery	Lacey	12/10/2024
Cafe Elite	Lacey	12/13/2024
Tumwater Deli Mart & Shell Station	Tumwater	12/24/2024

PARTNER/INTERAGENCY COLLABORATIONS

Partner Referrals

At the request of partner jurisdictions, LOTT conducts inspections of FSEs where problems are noted in the collection system. LOTT conducted nine inspections in 2024 in response to partner referrals.

Plaza Jalisco.

LOTT received a referral from City of Tumwater on March 8, 2024, regarding a sewer main blockage in Capitol Boulevard. LOTT conducted an inspection of several FSEs in the area including Plaza Jalisco. The inspection revealed that their interceptor was not being maintained. LOTT required the FSE to pump out the interceptor and maintain a regular cleaning frequency.

Starbucks 1110 College St.

LOTT received a referral from City of Lacey on May 21, 2024, regarding an excessive amount of grease in the grinder tank downstream from Starbucks. LOTT conducted an inspection on May 29, 2024. The inspection revealed that the interceptor was missing outlet pipes which prevent accumulated grease from exiting the interceptor. LOTT required Starbucks to install the pipes.



Core sample showing a full grease interceptor



Grinder pump overwhelmed with FOG



Outlet missing a pipe that prevents FOG from entering the sewer

Valvoline Instant Oil Change

LOTT received a referral from City of Lacey on October 25, 2024, regarding petroleum odors in a sewer lift station. LOTT conducted an inspection of the nearby Valvoline and Clean Finish Car Wash on November 1, 2024. During the inspections, LOTT staff discussed Best Management Practices such as cleaning oil drips as opposed to rinsing them into the separator and regularly pumping the oil and water separator.

Joint Inspections

LOTT conducts joint inspections of IUs with representatives from its partner jurisdictions. Joint inspections may be conducted with Ecology representatives, designated partner contacts, building officials, health inspectors, collection system operators, water resource specialists, or storm water inspectors. There are several reasons and benefits to conducting joint inspections:

- Reinforces working relationships between LOTT and partner jurisdictions.
- Demonstrates to the facility being inspected that LOTT and its partners work together.
- Educates partners about the pretreatment program, and vice versa.

LOTT conducted 24 joint inspections in 2024.

Olympia Regional Airport

LOTT conducted a joint inspection of Olympia Regional Airport with City of Tumwater staff on January 18, 2024. This inspection was conducted as part of LOTT's PFAS sampling project. Airports are identified by the Federal Environmental Protection Agency (EPA) as a potential source of PFAS because of the use of PFAS in the form of aqueous film forming foam.

The purpose of the inspection was to determine if there were any industrial activities performed onsite that may require a wastewater discharge permit and to determine if the airport performed any firefighting activities. The inspection revealed that there is no industrial activity onsite aside from one business that is already permitted by LOTT, and the airport does not use or store firefighting foam.

Capitol City Honda Olympia

LOTT conducted a joint inspection of Capitol City Honda with City of Olympia staff on June 4, 2024. This was a routine inspection to check the condition of their oil and water separator, and to check chemical storage areas. The inspection revealed that their oil and water separator had not been adequately maintained and was filled with sediment. Capitol City Honda was required to pump their separator and implement a routine cleaning frequency.



Oil and Water Separator overflowing due to excess sediment



Oil and Water Separator after it was cleaned

Crumble Cookie

LOTT conducted a joint inspection of Crumble Cookie with Thurston County Environmental Health staff on June 4, 2024. This was a pre-opening inspection to complete an IU Survey and provide Best Management Practices for grease interceptor maintenance. During the inspection, it was revealed through dye testing that none of the grease producing fixtures were connected to the grease interceptor, and the bathrooms were connected to the grease interceptor. The plumbing contractor was notified of this problem, and it was immediately corrected.

Tops Countertops

LOTT conducted a joint inspection of Tops Countertops with City of Lacey Stormwater staff on December 10, 2024. This inspection was a follow up to a complaint of slurry wastewater discharged into a stormwater vault. The purpose of the inspection was to determine if slurry wastewater was discharged to the sanitary sewer. During the inspection, LOTT staff inspected their slurry water treatment system and determined that it was functioning properly.

PFAS and NDMA sampling

As follow up to LOTT's Reclaimed Water Infiltration Study, LOTT conducted follow-up sampling of two residual chemicals of interest: N-Nitrosodimethylamine (NDMA), and perfluoroalkyl and polyfluoroalkyl substances (PFAS). The goals of the follow-up sampling were to:

- Determine the presence and quantity of these chemicals in untreated wastewater, various points within the treatment processes, reclaimed water, and biosolids.
- Identify potential sources of these chemicals in residential areas of the sewer collection system and at specific industrial sources.



LOTT staff collecting PFAS samples

To conduct residential sampling, LOTT staff coordinated with staff from partner collection crews to identify sample points in the collection system that had only residential inputs and arrange for sampling at specific points. Each quarter, partner staff met with LOTT staff to make the sample points available for sampling.

STEP load coordination and sampling

In June of 2024, the Budd Inlet Treatment Plant experienced an operational upset that brought the plant close to a permit violation. The cause of the upset was attributed to discharges from Septic Tank Effluent Pump (STEP) loads from City of Olympia and City of Lacey. Prior to this event, STEP loads were not scheduled.

Afterward, LOTT worked with its partners to reduce the amount of STEP loads received during the biological nutrient removal (BNR) season when LOTT's permit limits are more stringent, and biological processes are more susceptible to upset. In addition, LOTT also worked with partners to develop a schedule of discharges for 2025 to minimize the total volume of STEP loads that are received in any one day.



STEP samples

To better understand the effects that STEP loads have on the biological process LOTT developed a sample plan to characterize STEP loads. The purpose of sampling is to characterize the concentration of pollutants in STEP tanks and to determine if pollutant concentration varies between the different types, ages, and sources of STEP tanks. Since the volume of each STEP tank is known the total mass of pollutants discharged from each type can be determined.

Some samples will be used in an inhibition study to determine the concentrations of pollutants that impact the BNR process. The purpose of the study is to determine an inhibition value defined as the concentration of a pollutant at which adverse effects can be observed in the secondary plant processes. With an inhibition value the total mass of pollutants that can be accepted either daily or monthly can be determined. The inhibition value will also be used to determine allowable headworks loading of pollutants for future evaluation of LOTT's local limits.

INDUSTRIAL USER CHANGES

Permitted IU reclassification

LOTT reviewed the status of its permitted industrial users to determine if they were properly classified as minor, significant, or categorical industrial users. Based on this review LOTT reclassified Georgica Pacific and International Paper company from significant industrial user to minor industrial user. The change was made because neither of these facilities met the criteria of a significant industrial user. No changes were made to their wastewater discharge permits.

Wastewater Discharge Permits Renewed in 2024

No wastewater discharge permits were renewed in 2024.

New Wastewater Discharge Permits Issued in 2024

No new wastewater discharge permits were issued in 2024.

Wastewater Discharge Permits Canceled in 2024

Whole Foods Distribution Center wastewater discharge permit was cancelled on June 17, 2024. The permit was cancelled because Whole Foods eliminated the potential for ammonia wastewater to enter the POTW by sealing the floor drains in rooms with ammonia processing equipment. Since the pathway to discharge was eliminated Whole Foods' discharge permit and the associated Slug Discharge Control Plan were no longer required.

INDUSTRIAL USER MONITORING SCHEDULE

Permittee	POTW Sampling Frequency			Inspection Frequency	
	Performed 2024	Planned 2025	Split Sampling?	Performed 2024	Planned 2025
A&R Aviation	1	1	Not performed	1	1

Permittee	POTW Sampling Frequency			Inspection Frequency	
	Performed 2024	Planned 2025	Split Sampling?	Performed 2024	Planned 2025
American Benchmark Machine Works	0	0	Not performed	1	1
Crown Cork & Seal Company	1	1	Not performed	1	1
Earth Friendly Products	0	0	Not performed	1	1
Georgia-Pacific Corrugated	1	1	Not performed	1	1
International Paper Company, LLC	1	1	Not performed	1	1
J. R. Setina Manufacturing Company, Inc.	0	0	Not performed	1	1
Pepsi Northwest Beverages, LLC	1	1	Not performed	1	1
Port of Olympia	0	0	Not performed	0	1
Thurston County Waste & Recovery Center	1	1	Not performed	1	1
Winsor Fireform, LLC	0	0	Not performed	1	1

ENFORCEMENT ACTIVITY

The following section details 2024 compliance and enforcement activity. The table below lists the IUs (permitted and unpermitted) that required enforcement activity in 2024. Results of permitted IUs monitoring and significant non-compliance review (SNC) are included in pages 8.1 – 8.9. No IUs were in SNC for this reporting period.

Industrial User	Address	Jurisdiction	Date and Violation(s)	Enforcement Action
New Star Seattle Properties	5765 Littlerock Rd. SW #109	Tumwater	10/31/2024 Section 3.2 E of LOTT Regulations	Letter of Violation
Fatso's Bar and Grill	3205 Martin Way E	Olympia	2/1/2014 Section 13.20.050 B (3) of the Olympia Municipal Code	Notice of violation
Canna Cabana Subs and Shakes	193 Marvin Rd SE	Lacey	8/12/2023 Section 4.1 of LOTT Regulations	Letter of violation

Industrial User	Address	Jurisdiction	Date and Violation(s)	Enforcement Action
Blue Heron Bakery	4419 Harrison Ave NW	Olympia	11/21/2024 Section 3.2 E of LOTT Regulations	Letter of violation
Thurston County Waste and Recover Center	2418 Hogum Bay Rd NE	Lacey	3/5/2024 Section 1.3 of Wastewater Discharge Permit LA-004	Verbal Warning
Thurston County Waste and Recover Center	2418 Hogum Bay Rd NE	Lacey	12/5/2024 Sections 1.3 and 3.8 of Wastewater Discharge Permit LA-004	Letter of violation on December 5, 2024

New Star Seattle Properties

New Star Properties was issued a Letter of Violation January 24, 2024, for failure to maintain a grease interceptor. New Star Properties had its grease interceptor pumped on February 29, 2024, and a routine cleaning frequency was required.

Fatso's Bar and Grill

Fatso's Bar and Grill was issued a Notice of Violation on February 1, 2024, for discharge of a solid or viscous substance in amounts that caused a blockage. Fatso's Bar and Grill agreed to regularly maintain its grease interceptor and to keep records of cleaning.

Canna Cabana Subs and Shakes

Canna Cabana Subs and Shakes was issued a Letter of Violation on October 15, 2024, for failure to complete an IU survey. Canna Cabana Subs and Shakes completed and submitted the survey.

Blue Heron Bakery

Blue Heron Bakery was issued a Letter of Violation on November 21, 2024, for failure to maintain a grease interceptor. Blue Heron Bakery had its grease interceptor pumped on December 4, 2024, and provided LOTT with a pumper report verifying cleaning.

Thurston County Waste and Recovery Center

Thurston County Waste and Recovery Center was issued a verbal warning on April 22, 2024, for a Zinc limit violation. Thurston County Waste and Recovery Center resampled its effluent and the results were in compliance.

Thurston County Waste and Recovery Center

Thurston County Waste and Recovery Center was issued a Letter of Violation on December 5, 2024, for a Zinc limit violation and failure to report the violation within 24 hours of becoming aware of the violation. Thurston County Waste and Recovery Center determined that runoff from their vector site may be contributing to the high levels of Zinc. All monthly samples have since been in compliance.

POTW INTERFERENCE OR PROBLEMS

There were no instances of POTW interference or operational problems directly related to discharges from IUs.

RESOURCE SUMMARY

Environmental Compliance Budget (minus funds budgeted primarily for the Biosolids Management Program and Water Quality Laboratory)

LINE ITEM	BUDGETED	
	2024	2025
Salaries	\$ 210,876	\$ 238,848
Benefits	\$ 88,944	\$ 99,844
Operating Supplies, Small Tools & Equip, Safety Equip, & Specialty Materials	\$ 8,500	\$ 10,000
Clothing	\$ 1,340	\$ 1,000
Books & Manuals	\$ 200	\$ 220
Office Equipment	\$ 2,500	\$ 2,600
Professional Services	\$ 10,000	\$ 11,100
Mobile Phones	\$ 200	\$ 200
Per Diem, Lodging, Mileage, Airfare, & Parking	\$ 2,050	\$ 2,500
Advertising	\$ 600	\$ 680
Training Registration & Certification Fees	\$ 1,500	\$ 1,500
Printing & Binding	\$ 500	\$ 625
Postage	\$ 400	\$ 550
TOTAL	\$333,461	\$ 369,667
Funds to conduct the Pretreatment Program are supplied through the Environmental Compliance Department Budget. With the exception of Salaries and Benefits, the amounts listed above are those available primarily to operate the Pretreatment Program.		
All revenue associated with permitted industries, including excess strength surcharges, permit fees, fines and penalties are received from each Partner jurisdiction as LOTT general sewer revenue.		

PROGRAM CHANGES

Minor Modifications to the Pretreatment Program 2024

Revisions to the LOTT Discharge and Industrial Pretreatment Regulations were submitted to and approved by Ecology as minor program modifications in 2024. The proposed changes were adopted by the LOTT Board on February 12, 2025.

Substantial Modifications to the Pretreatment Program 2024

No substantial program modifications were made in 2024.

Proposed Minor Modifications to the Pretreatment Program 2025

Changes were made to the LOTT Enforcement Response Plan as part of a general update. Since the LOTT Board adopted revised pretreatment regulations the Enforcement Response Plan will be updated to ensure that enforcement mechanisms for the new changes are addressed. Once approved by the LOTT Technical Sub-Committee the revised Enforcement Response Plan will be submitted to Ecology as a minor program modification.

LOTT will also need to review and update its Pretreatment Program Manual to ensure that procedures reflect the updated pretreatment regulations.

Proposed Substantial Modifications to the Pretreatment Program 2025

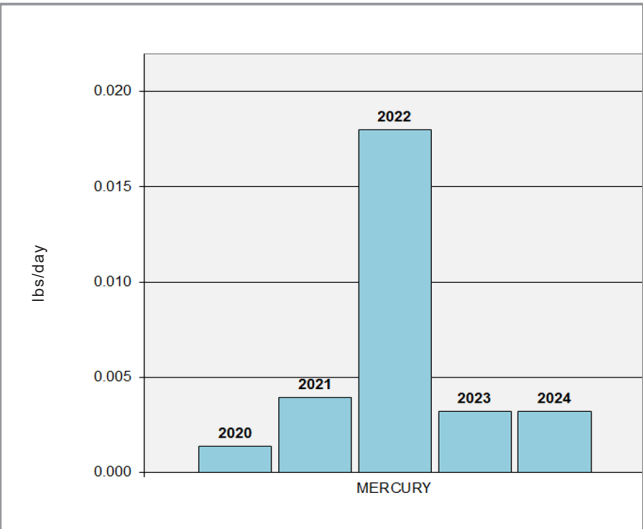
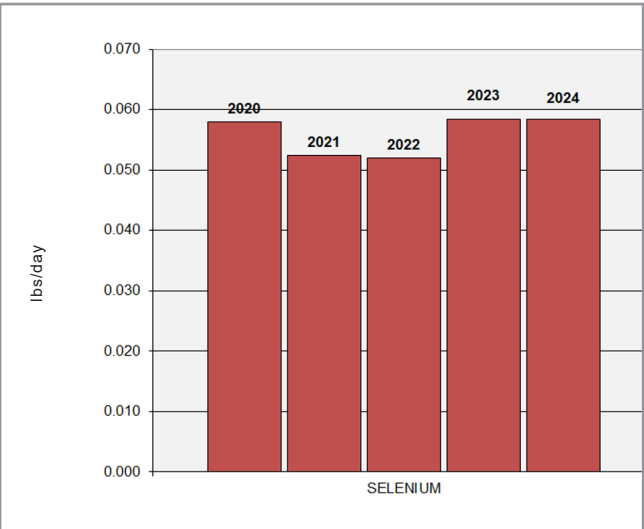
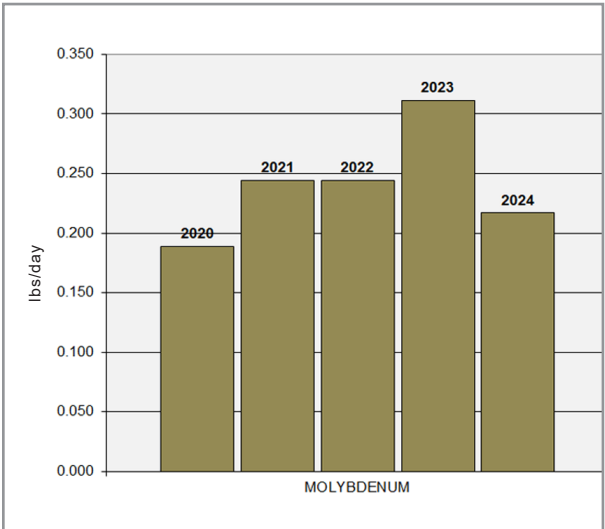
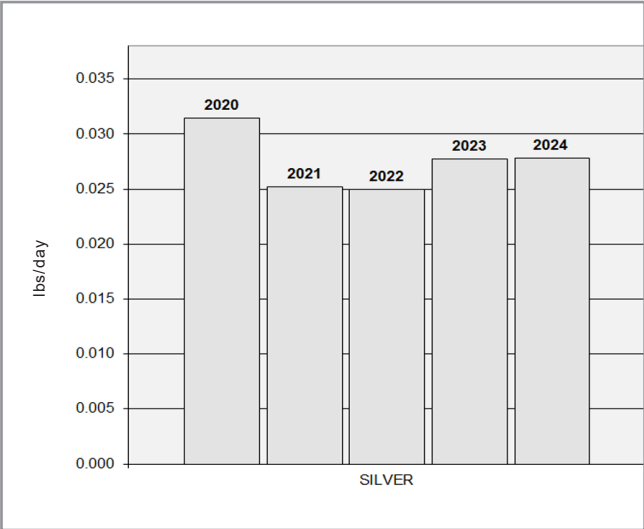
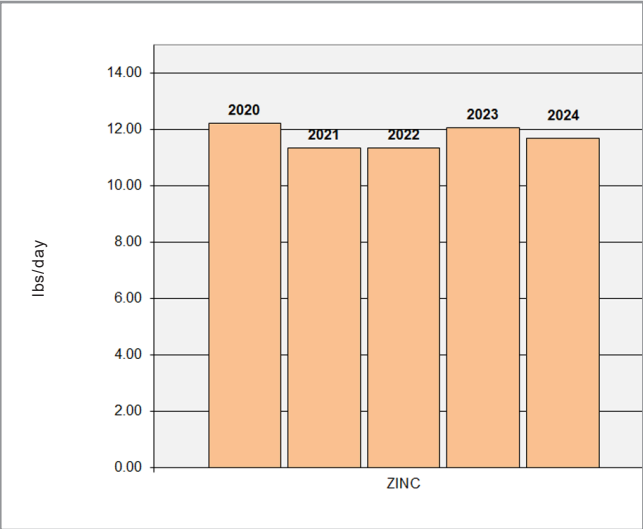
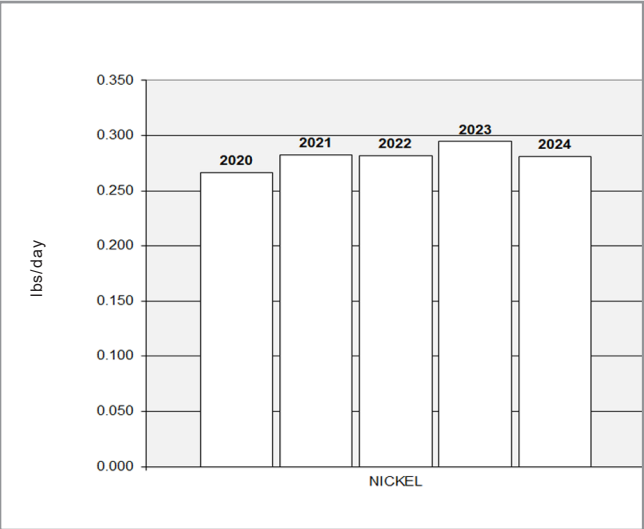
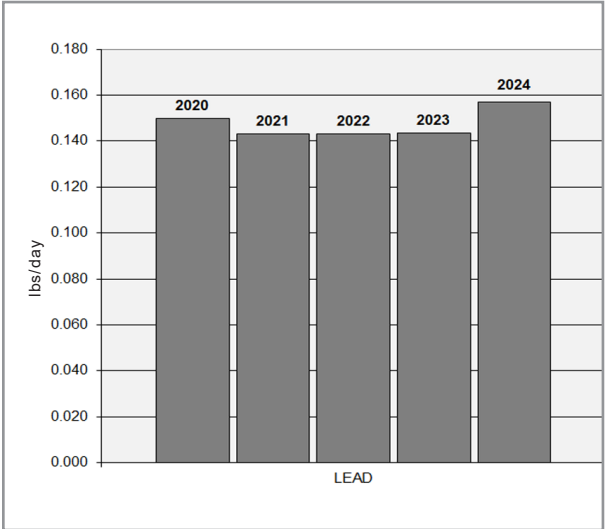
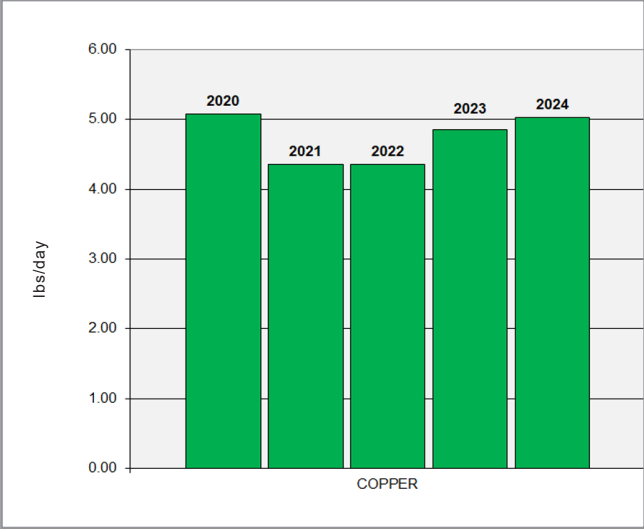
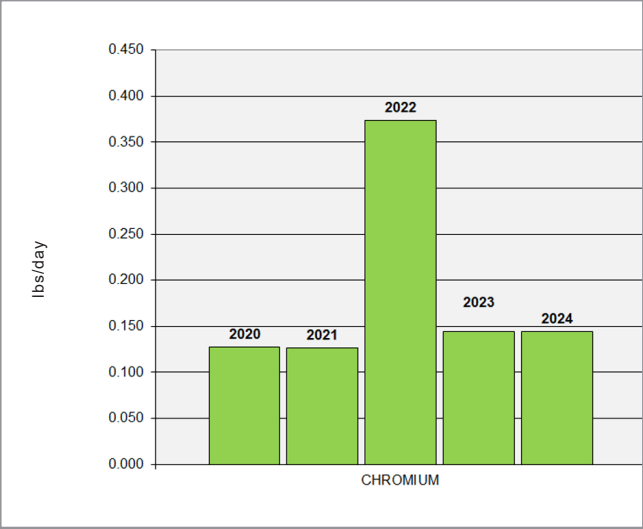
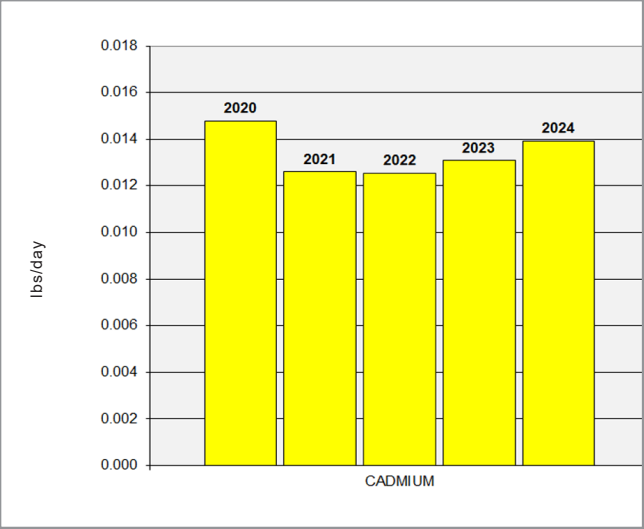
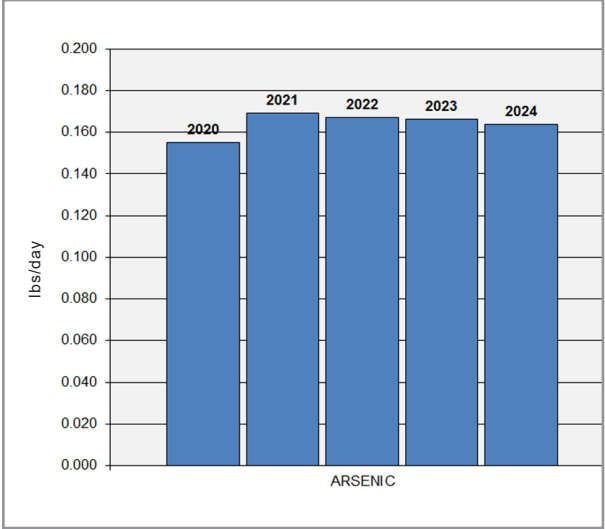
No substantial program modifications are proposed for 2025.

ORDINANCE AND RESOLUTION

No ordinances were passed during the 2024 reporting period.

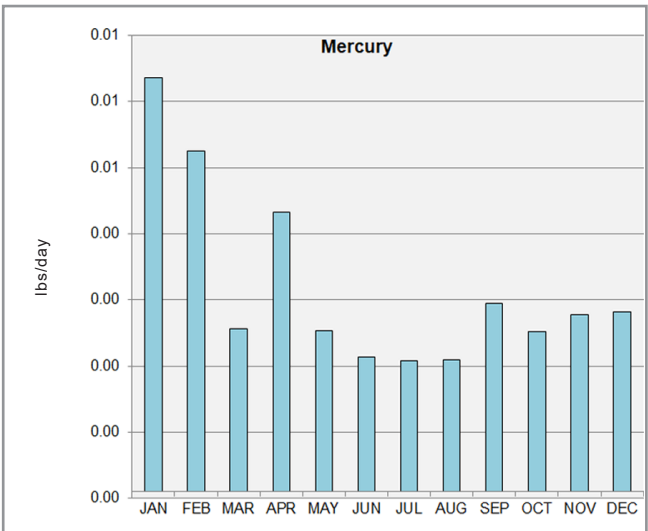
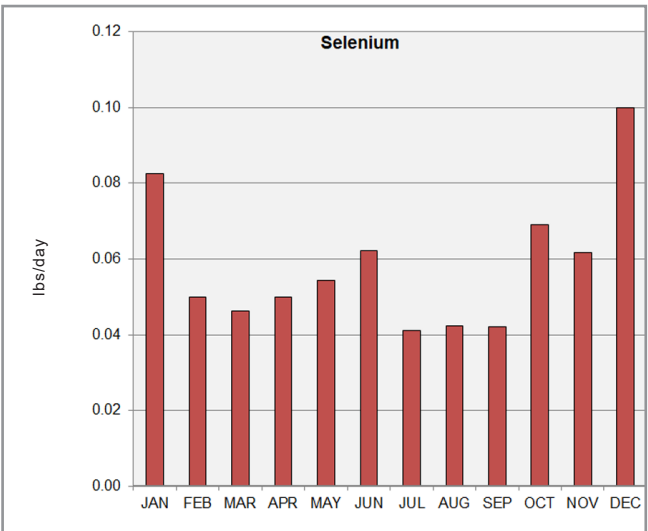
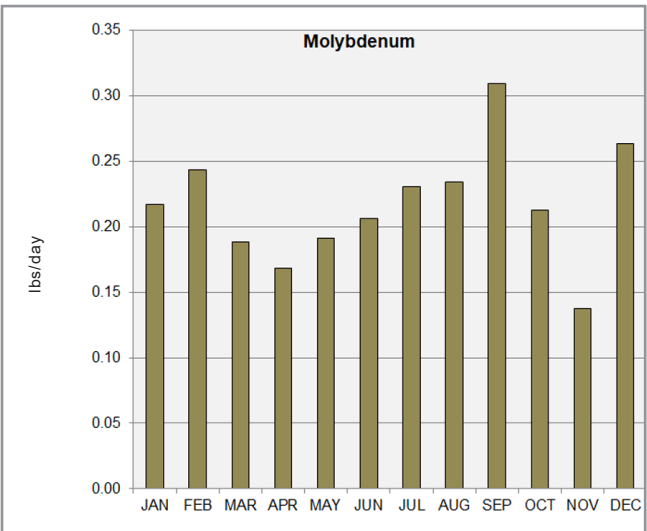
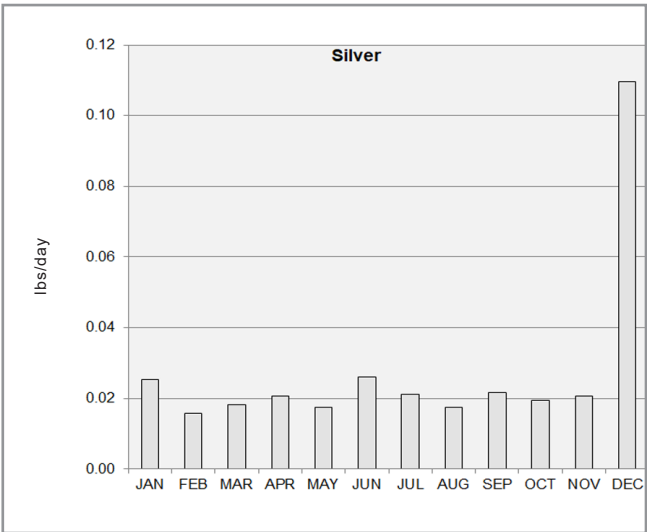
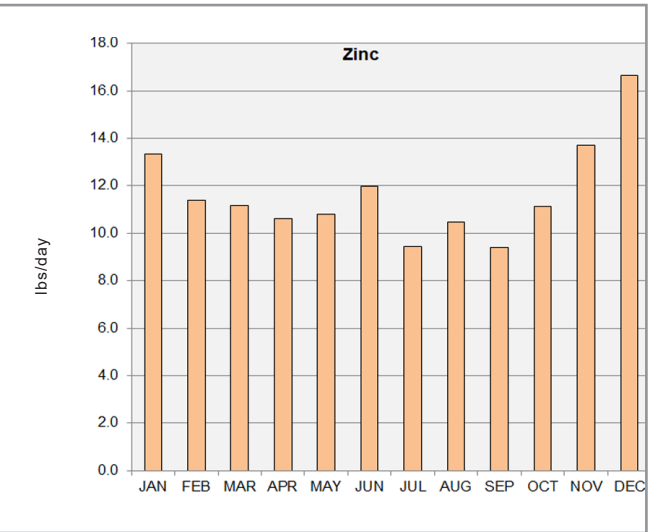
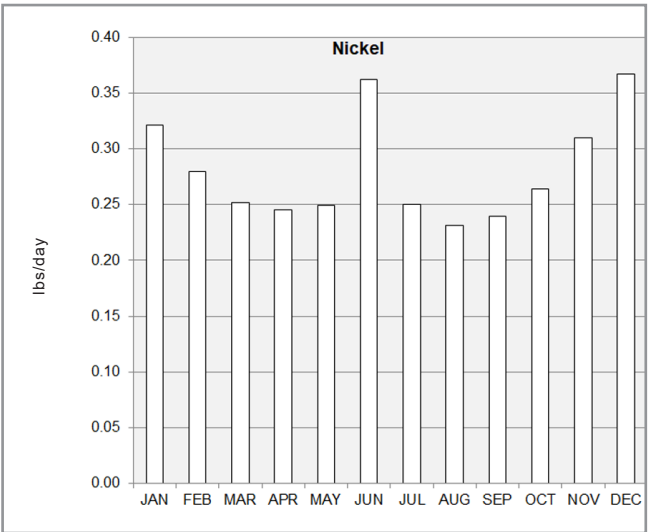
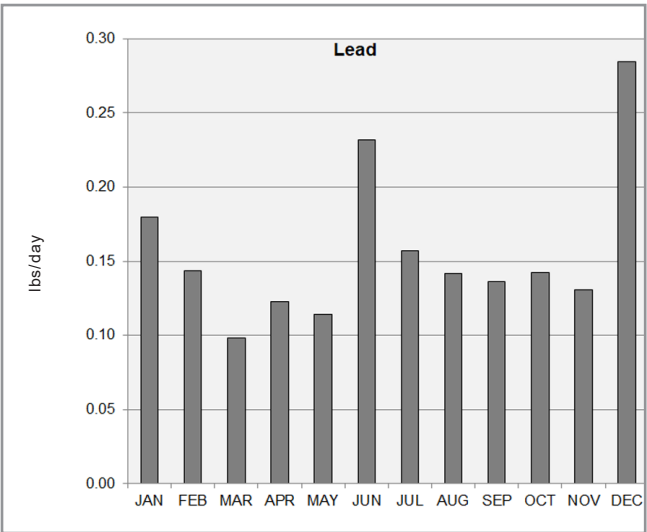
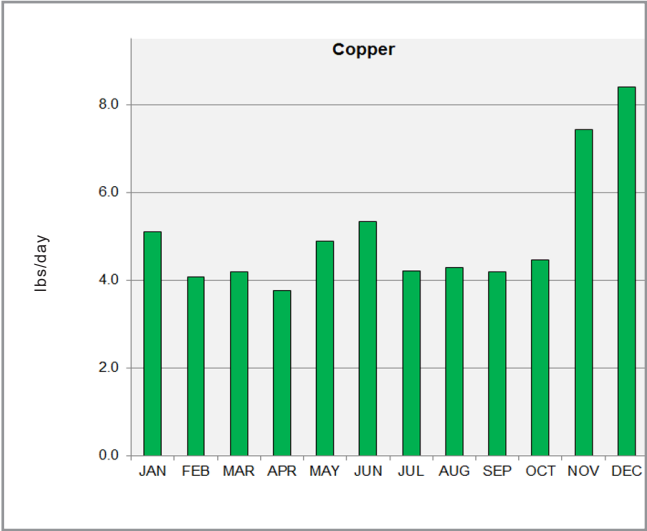
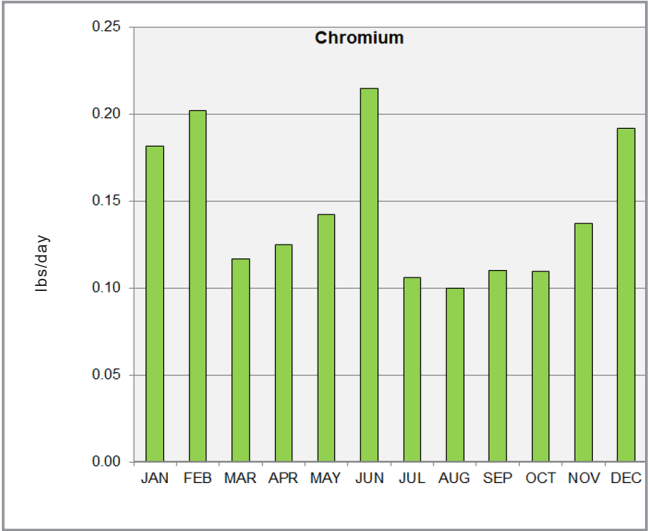
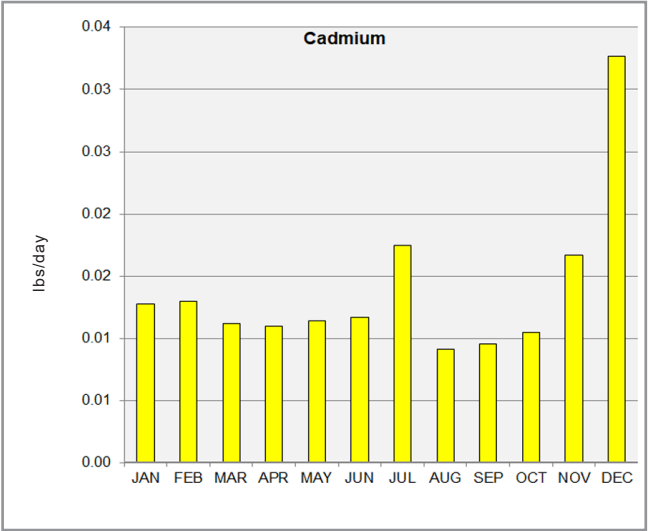
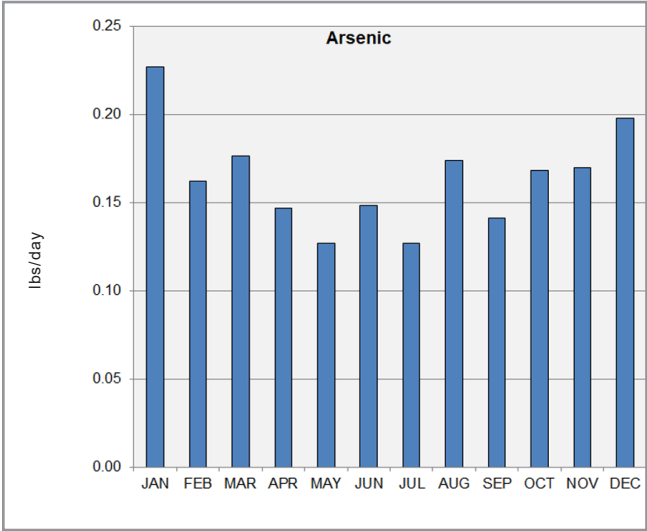
BUDD INLET TREATMENT PLANT

INFLUENT METALS LOADING TRENDS 2020-2024



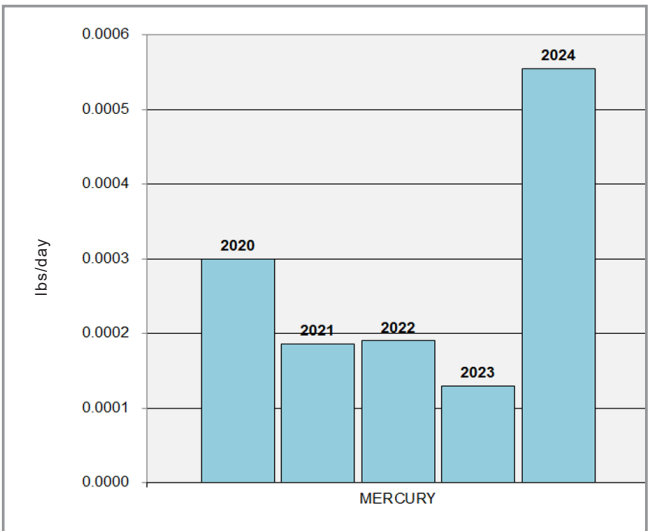
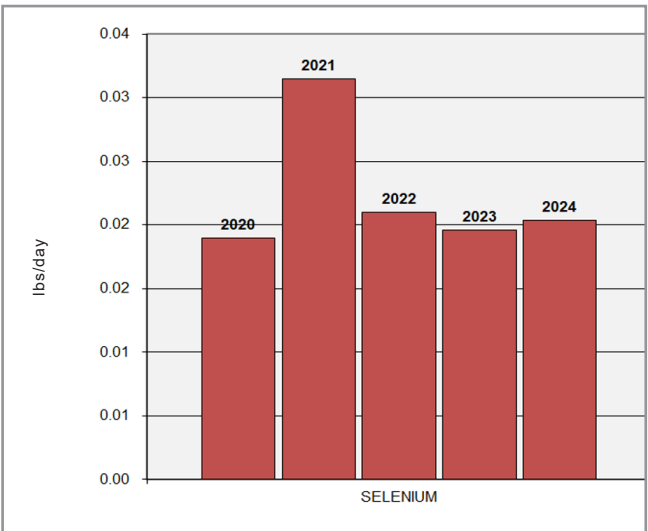
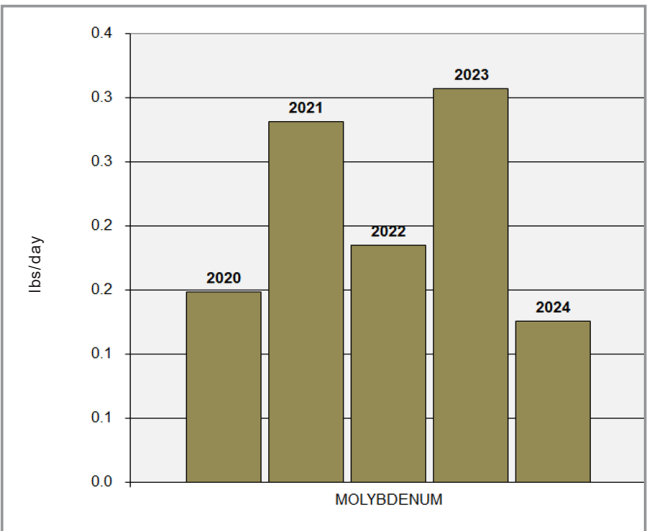
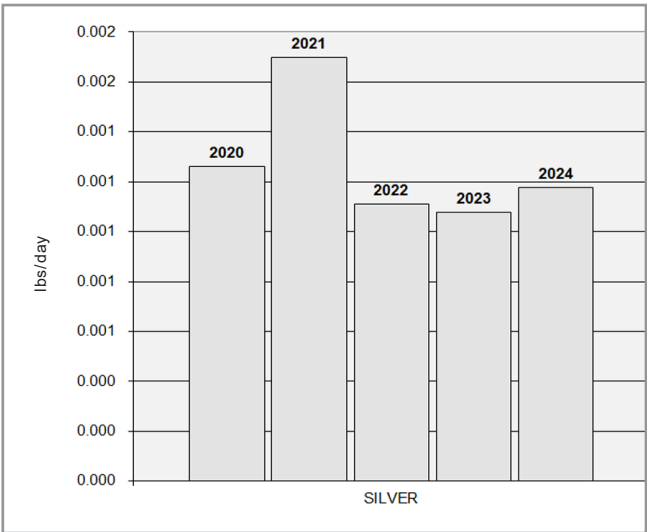
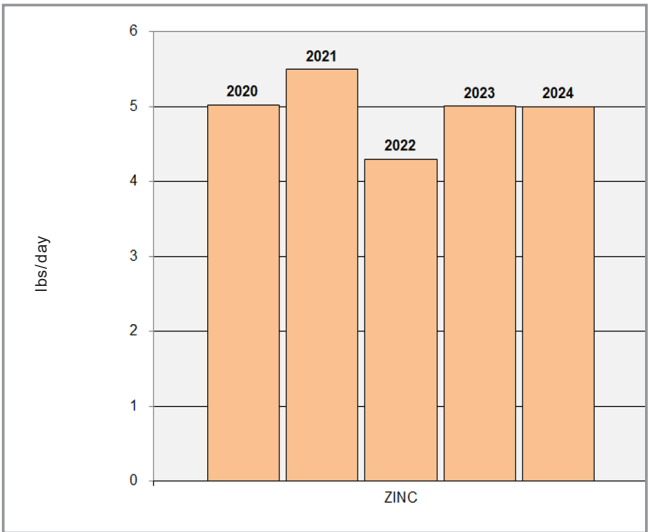
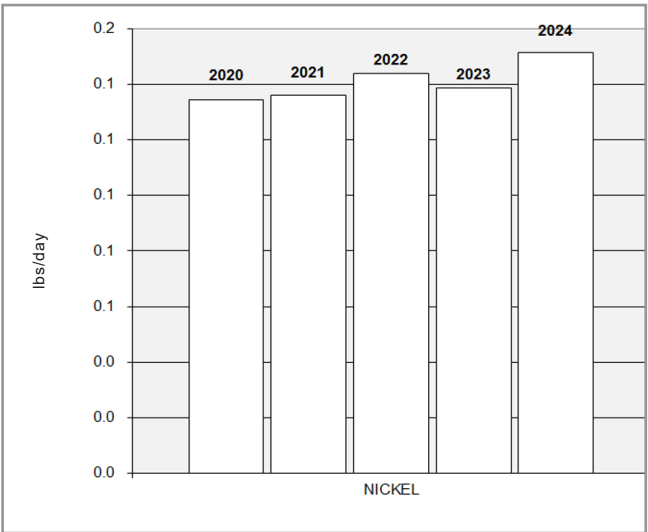
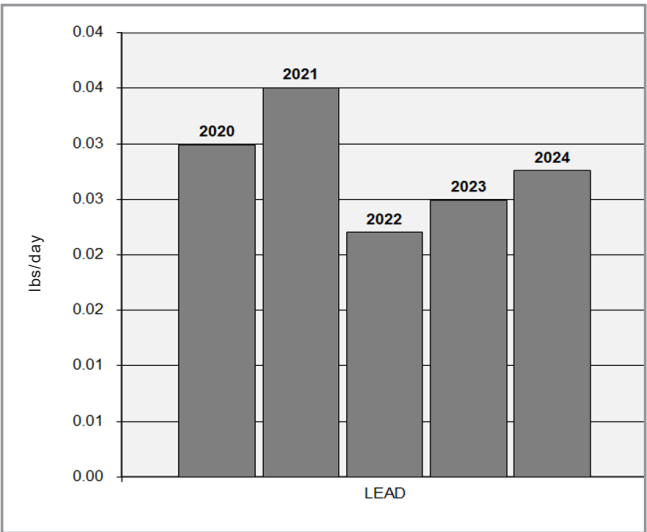
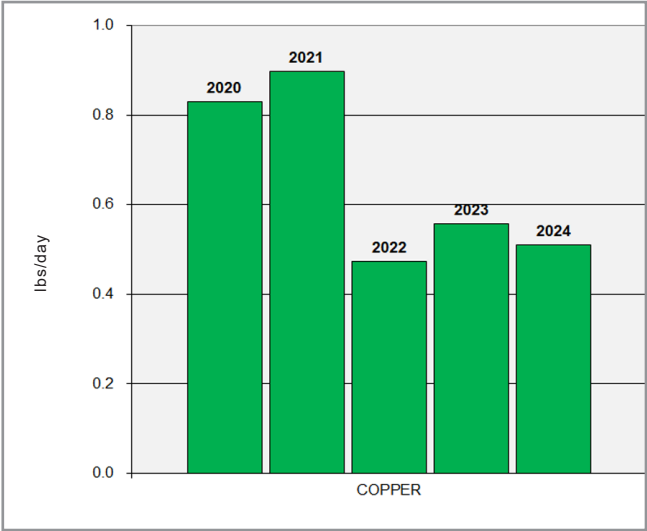
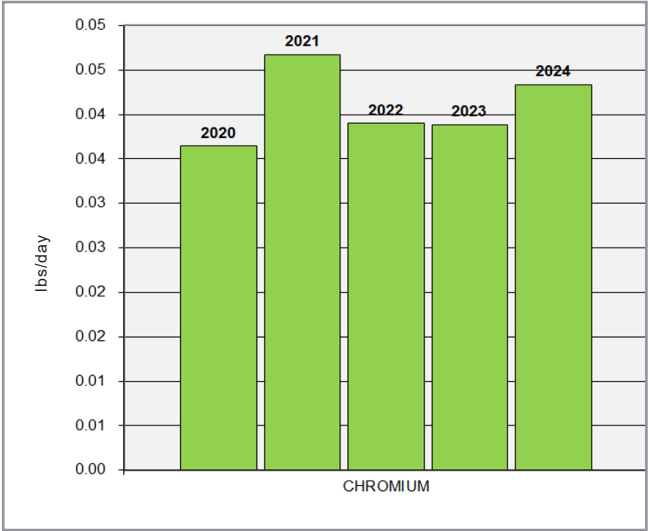
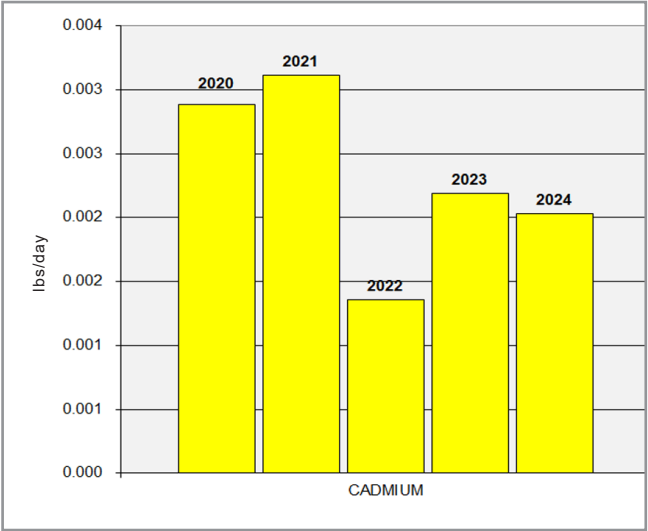
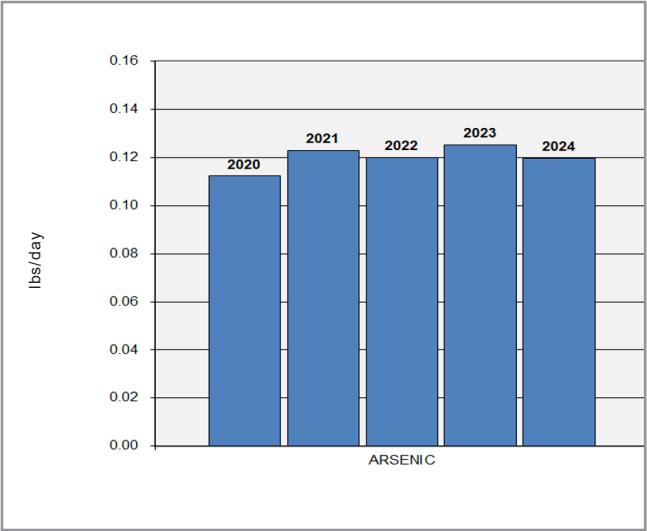
BUDD INLET TREATMENT PLANT

INFLUENT METALS LOADINGS JANUARY-DECEMBER 2024

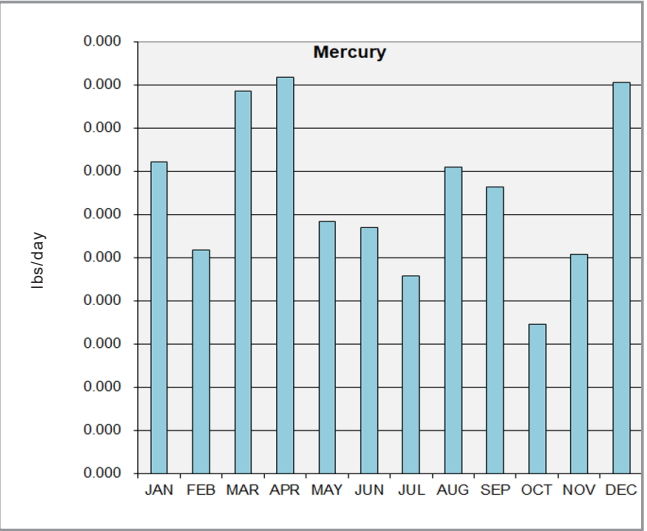
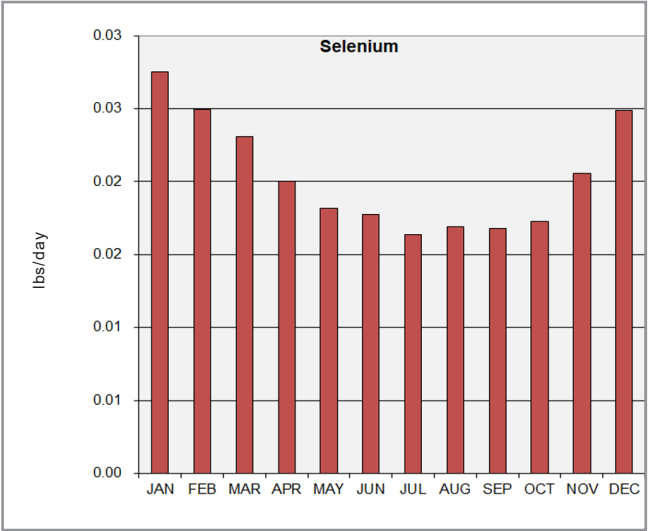
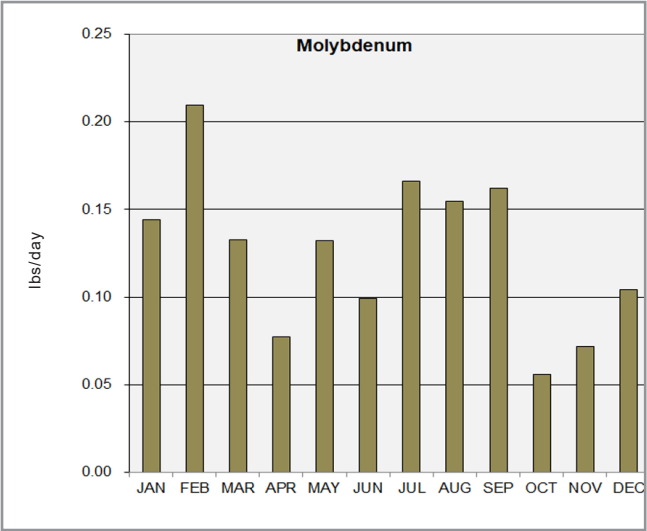
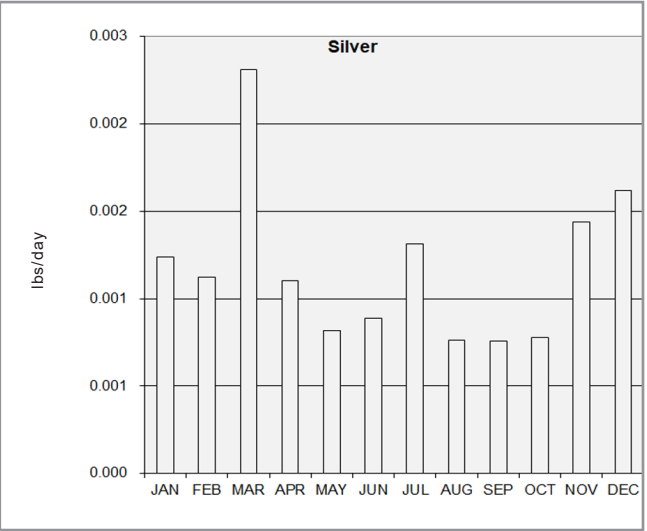
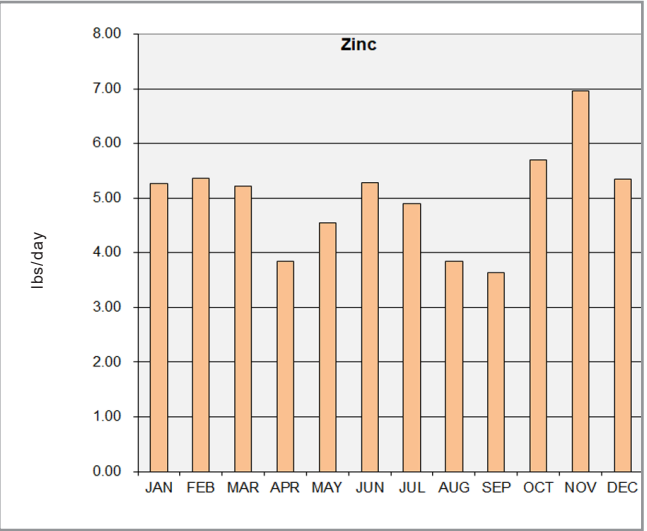
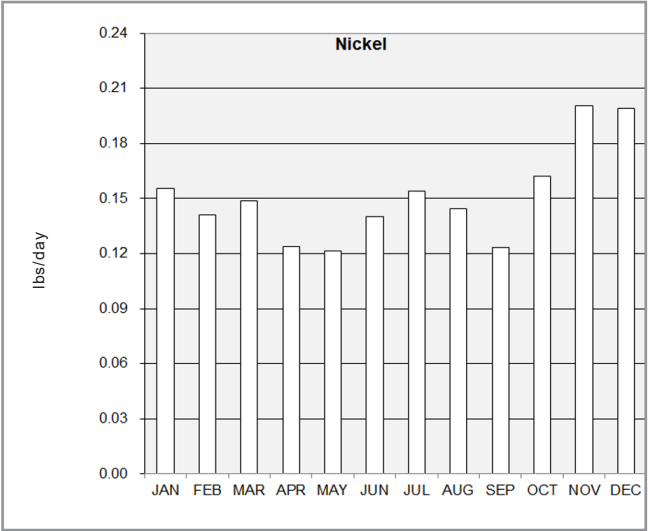
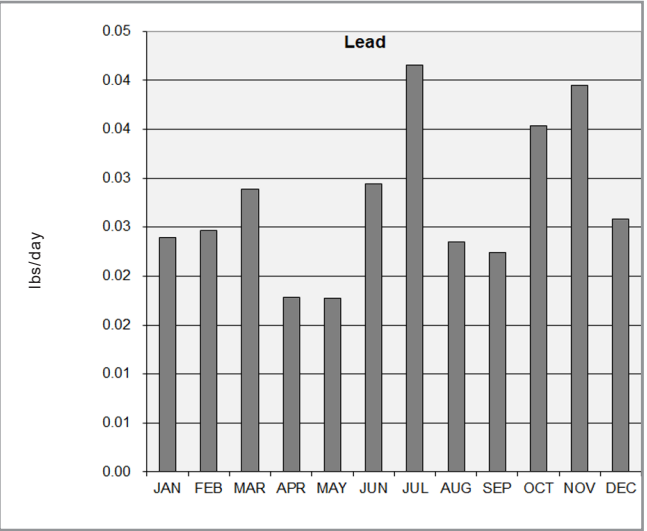
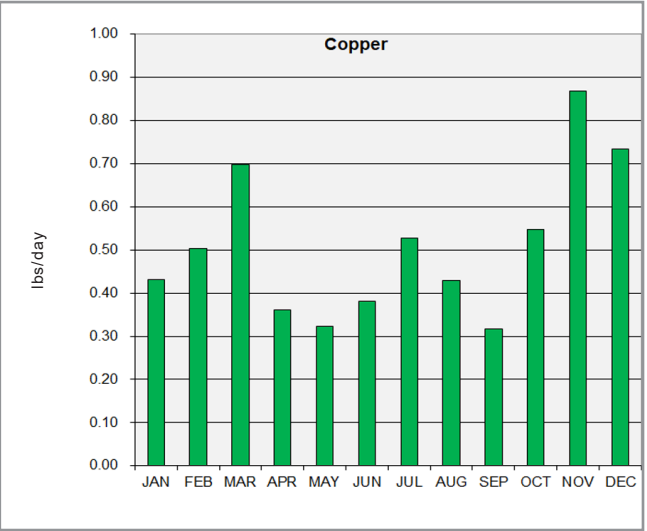
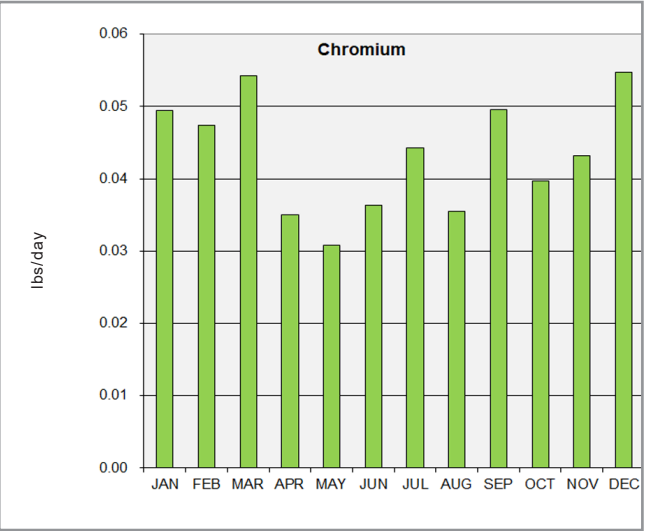
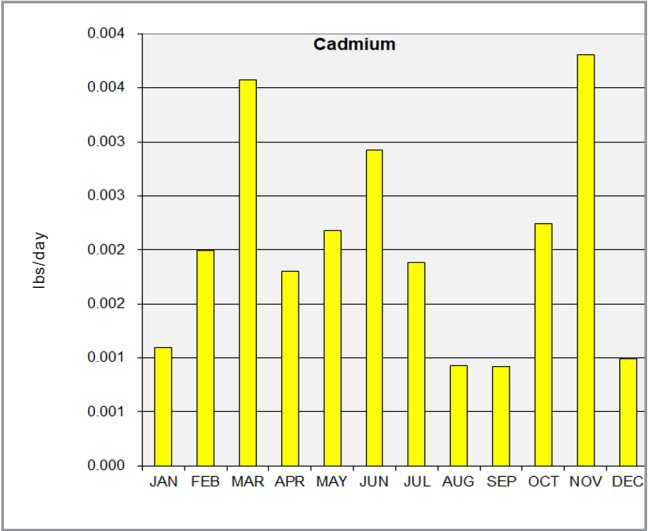
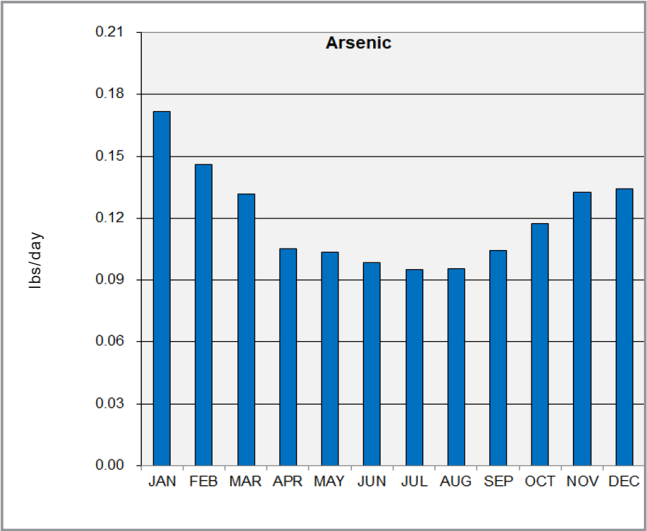


BUDD INLET TREATMENT PLANT

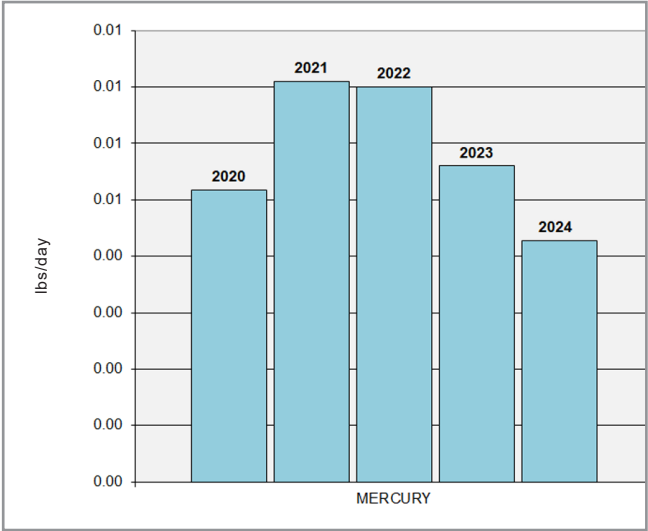
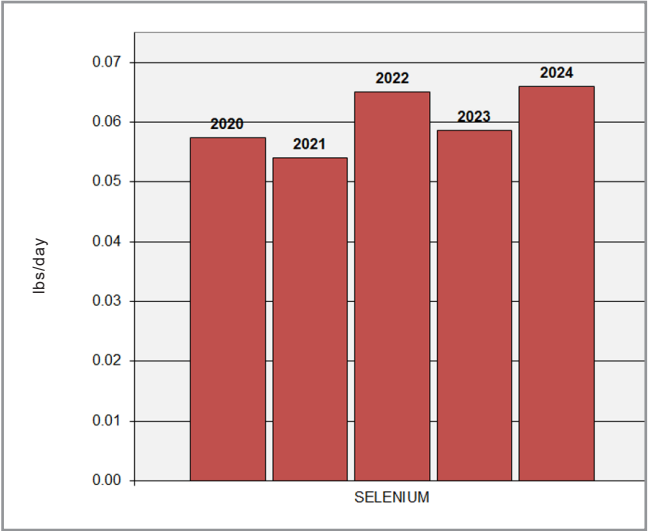
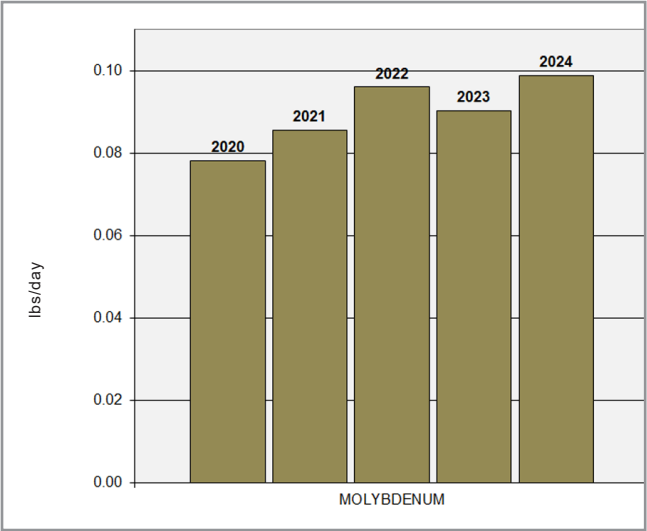
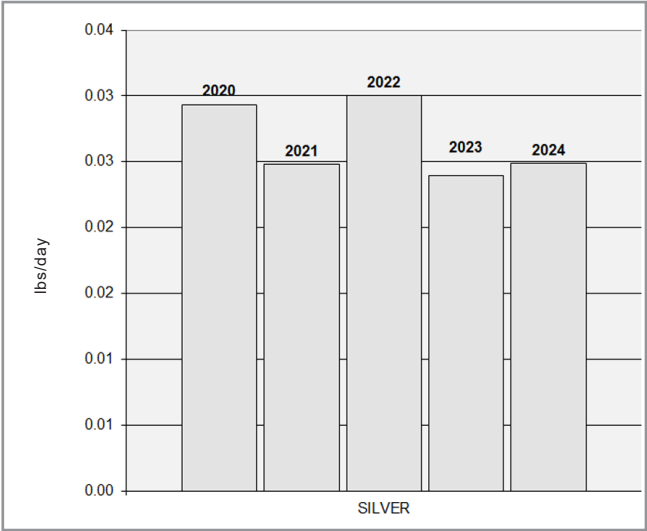
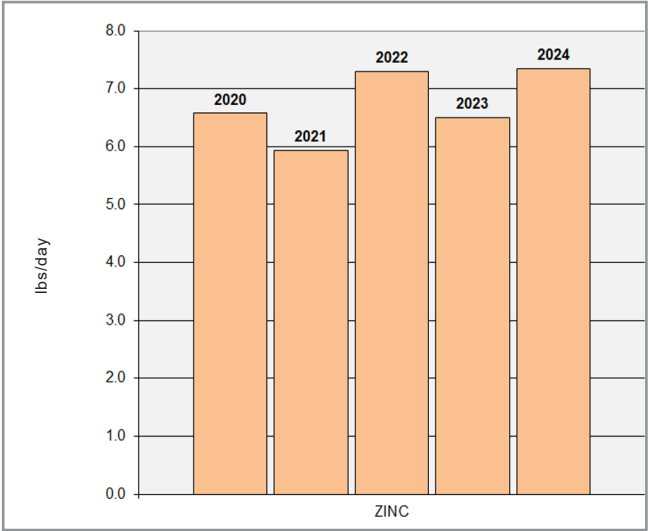
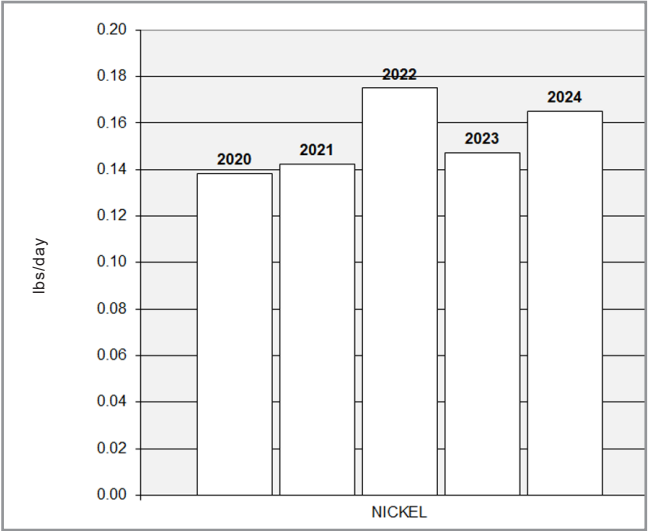
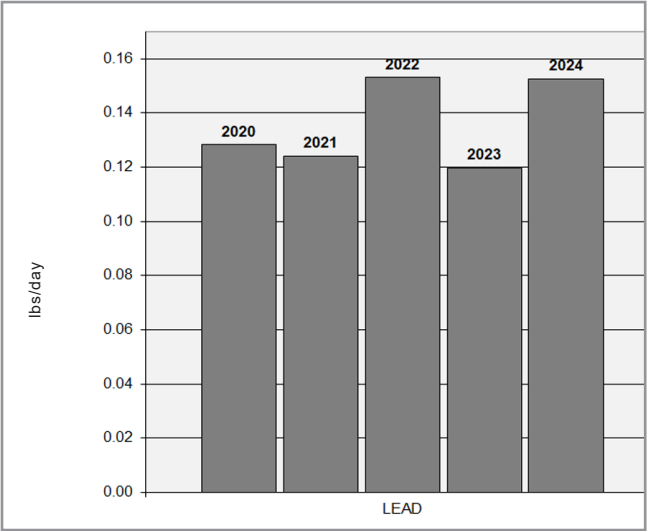
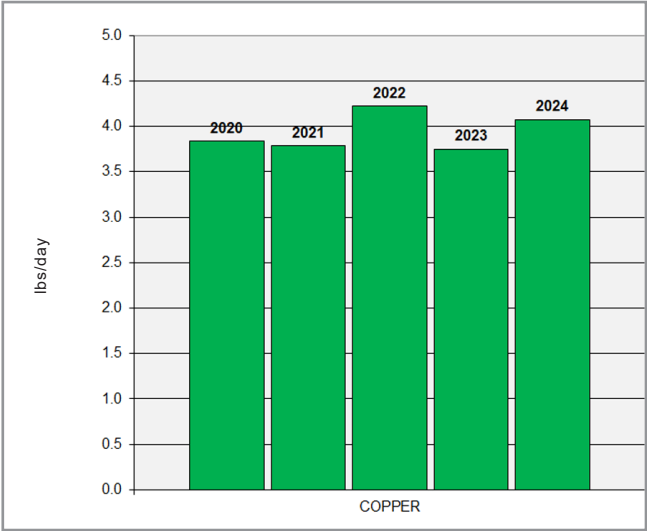
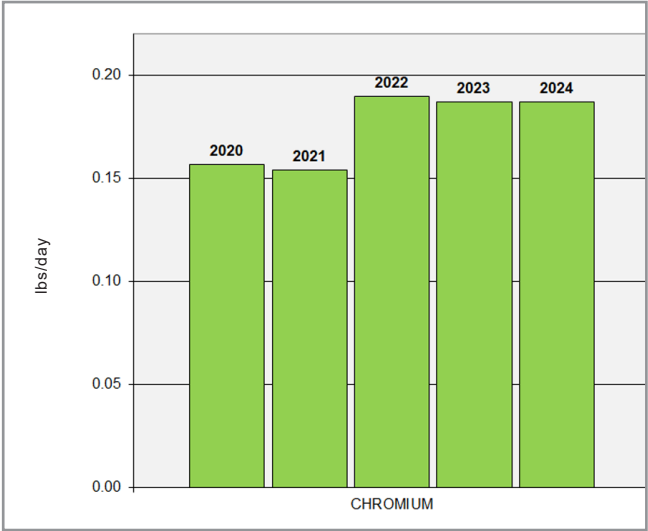
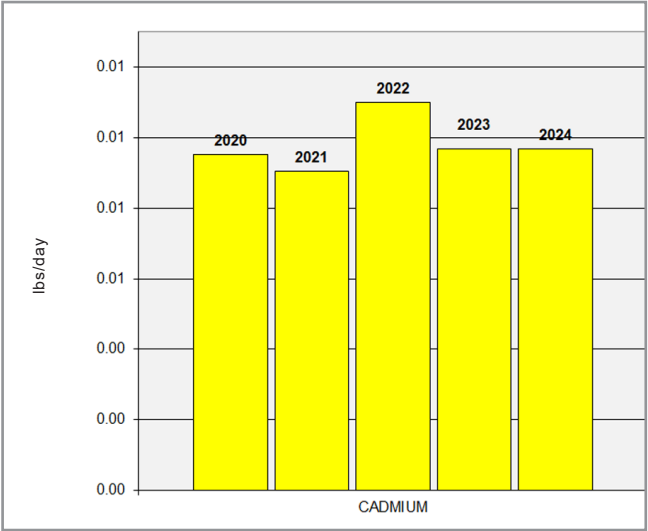
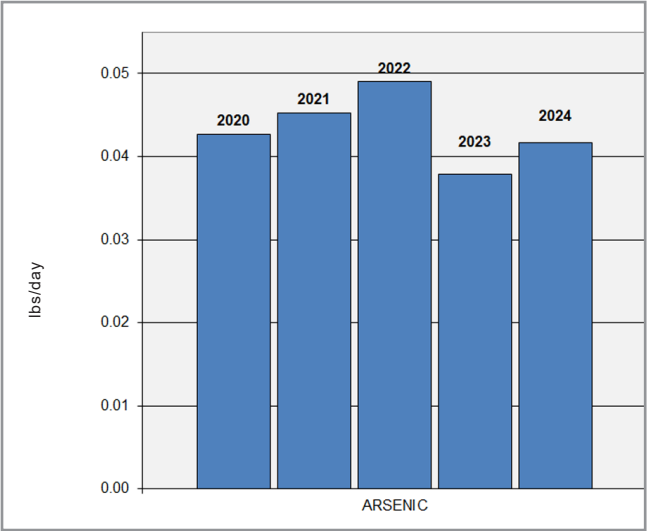
FINAL EFFLUENT METALS LOADING TRENDS 2020-2024



BUDD INLET TREATMENT PLANT
FINAL EFFLUENT METALS LOADINGS JANUARY-DECEMBER 2024

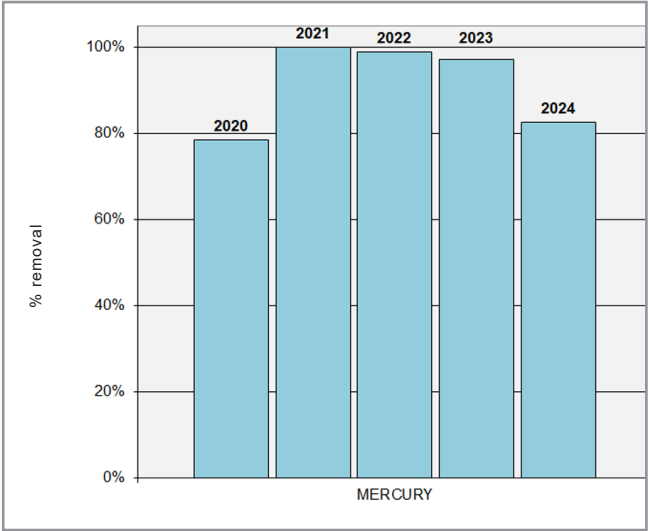
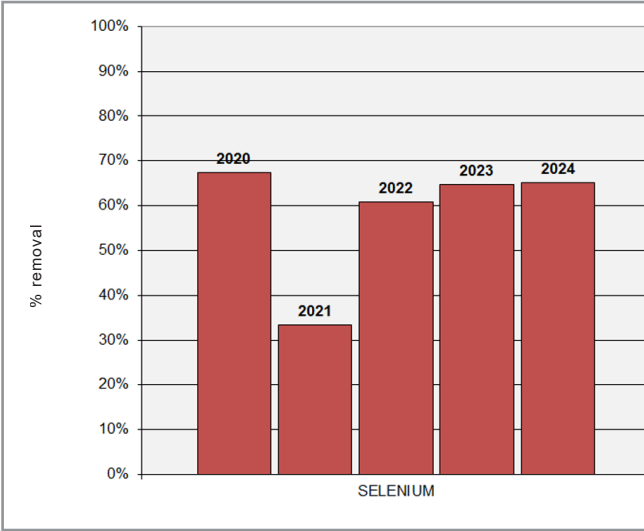
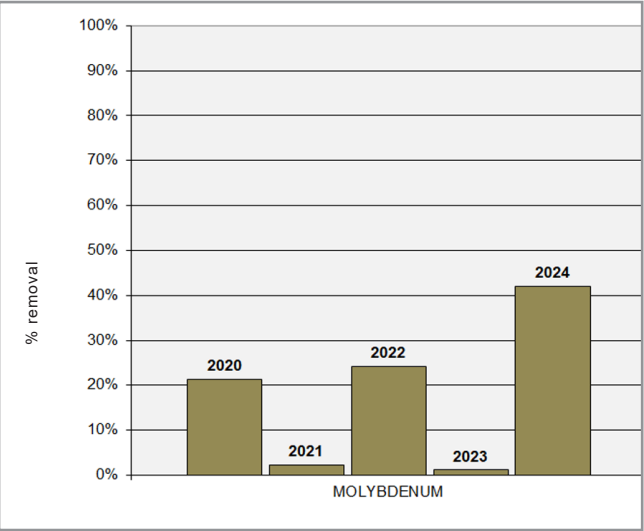
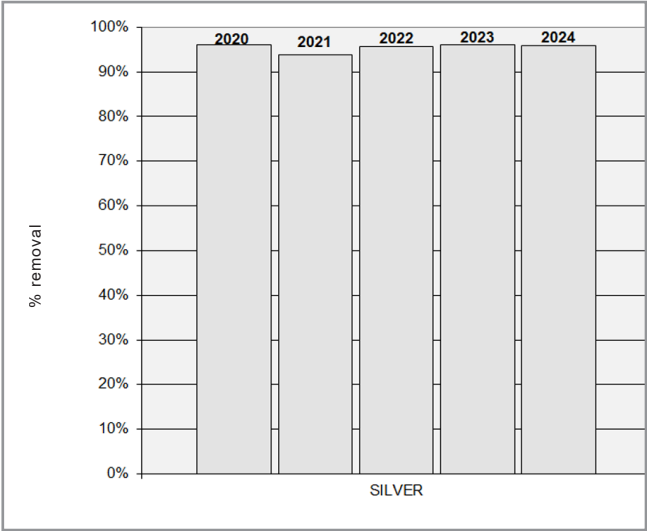
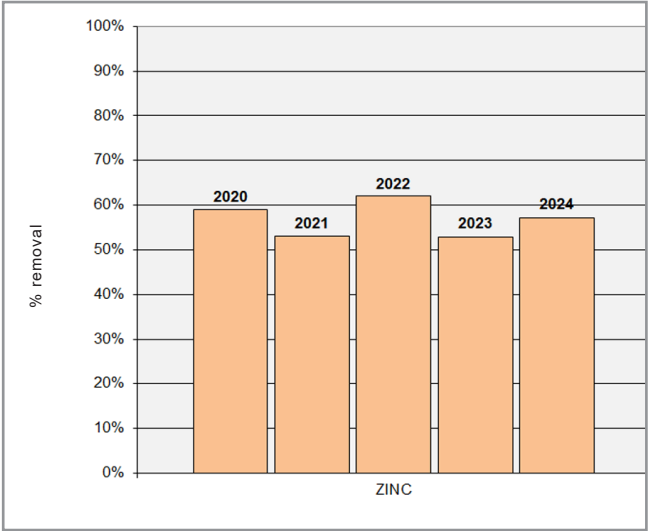
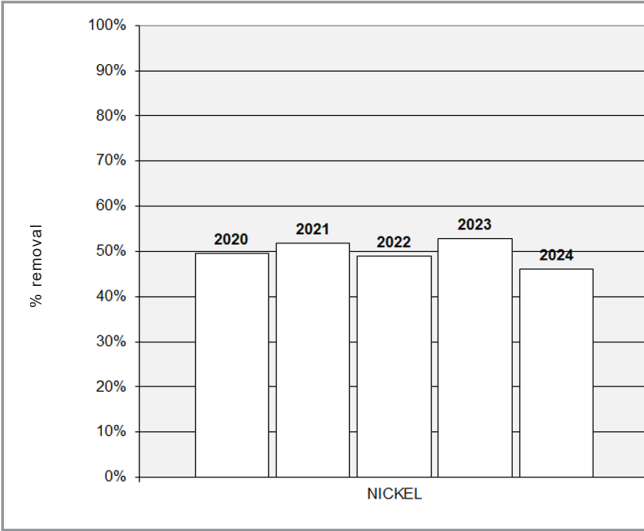
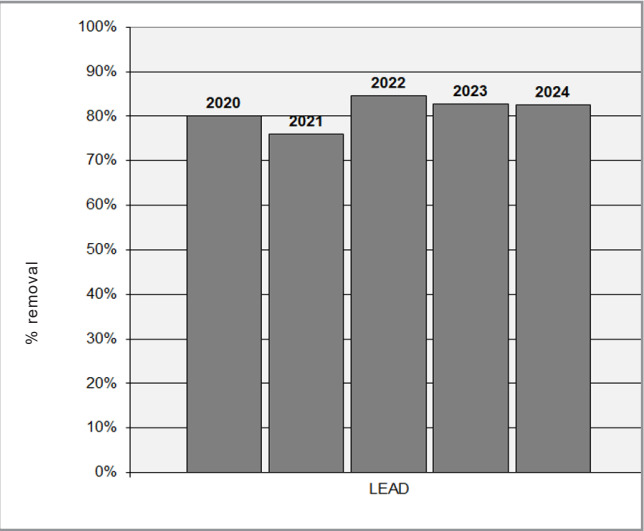
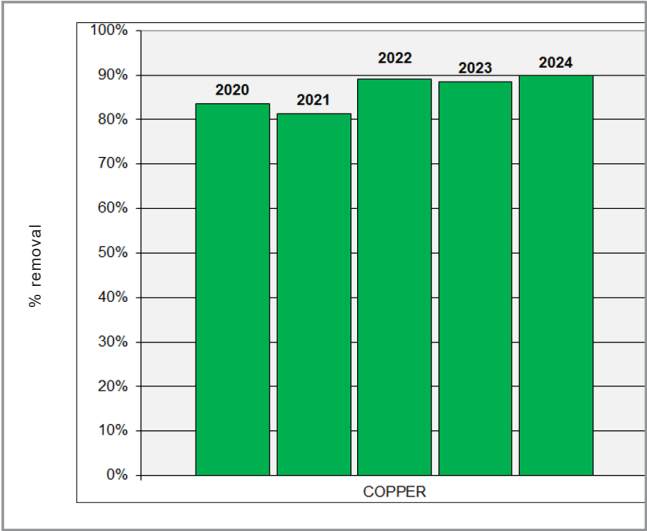
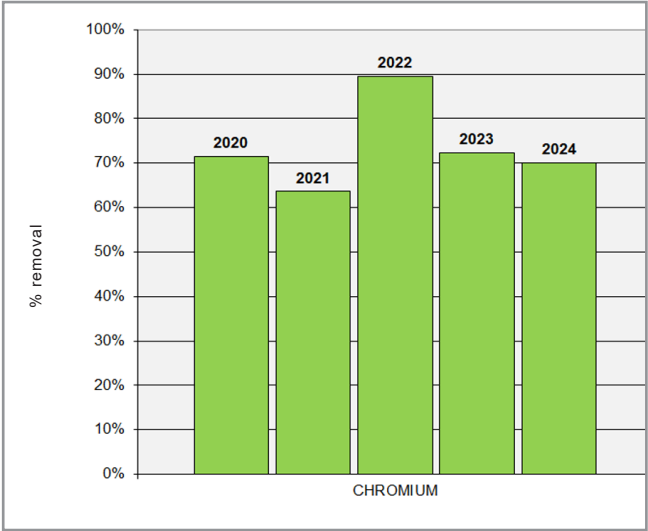
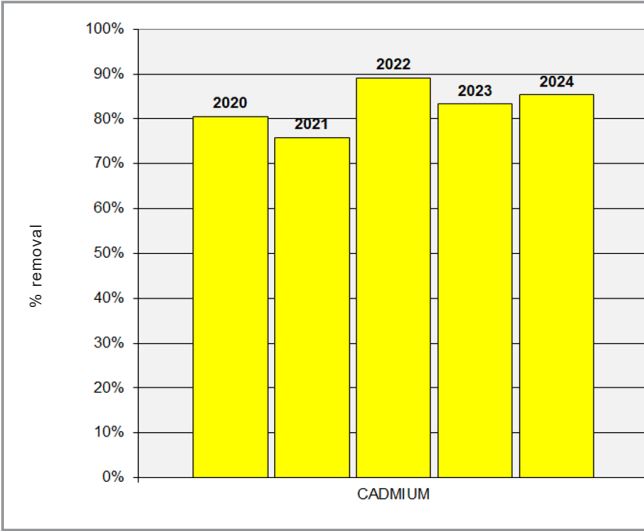
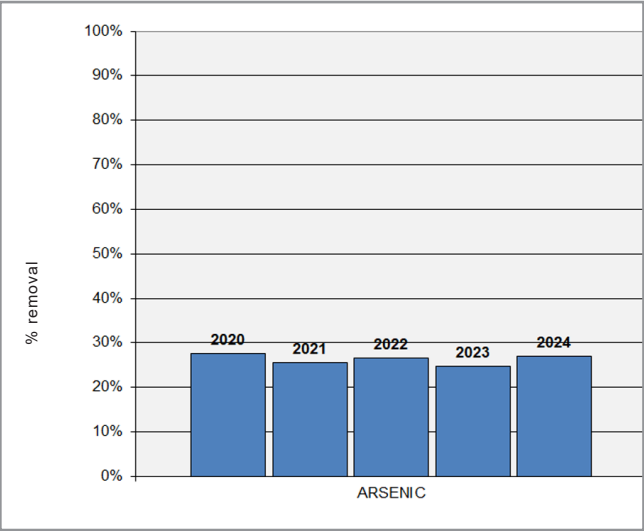


BUDD INLET TREATMENT PLANT
BIOSOLIDS METALS LOADING TRENDS 2020-2024



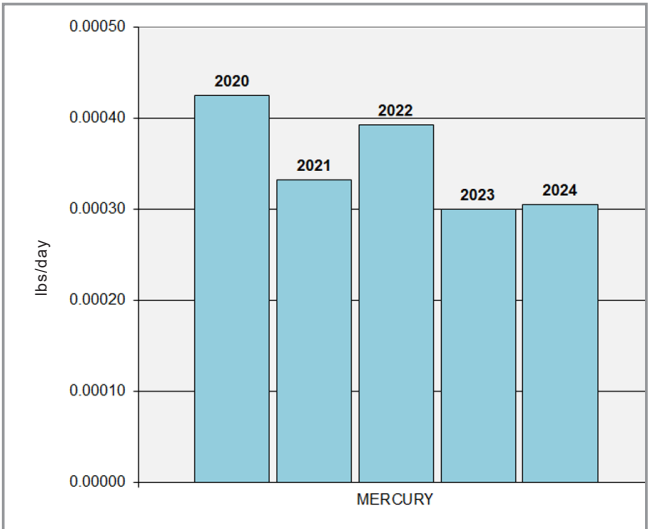
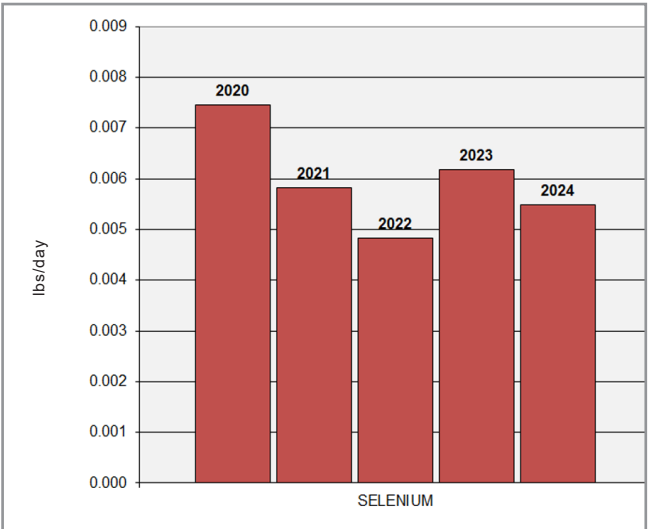
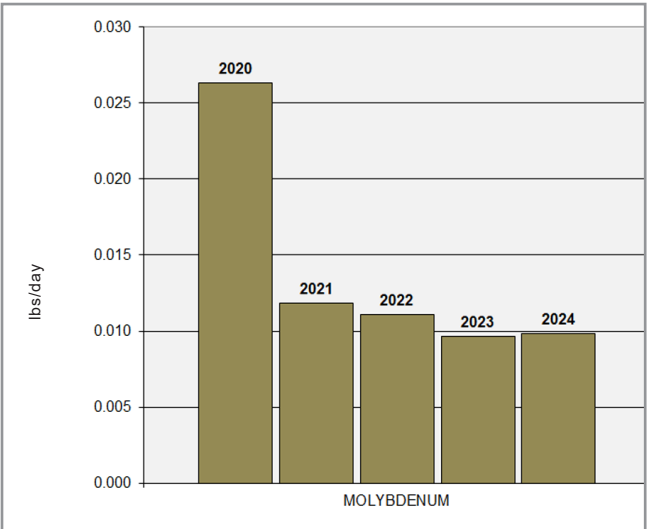
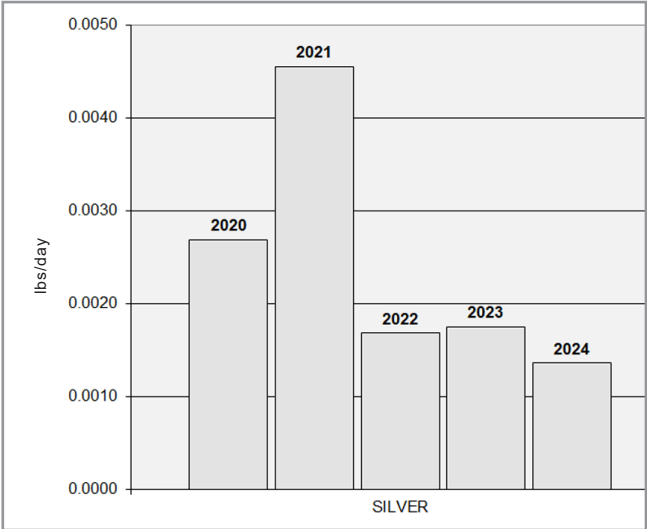
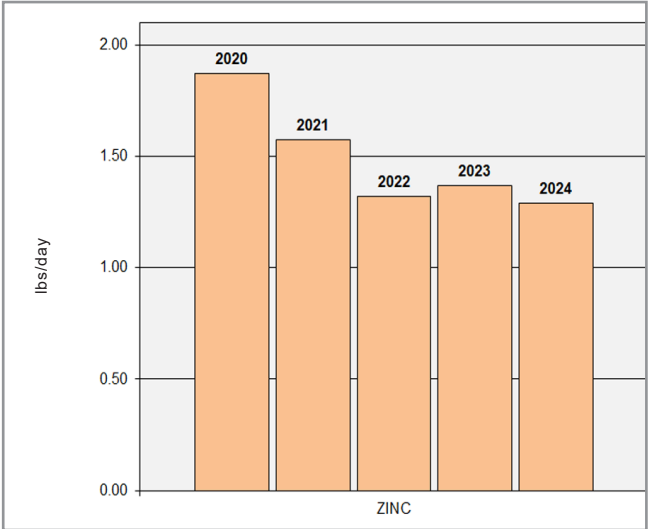
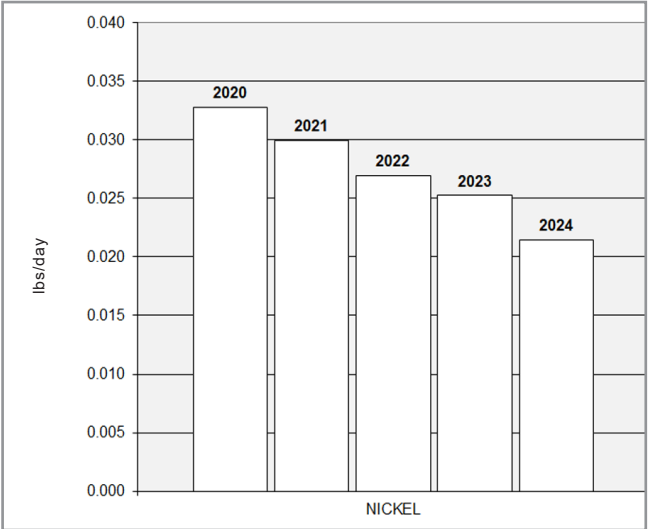
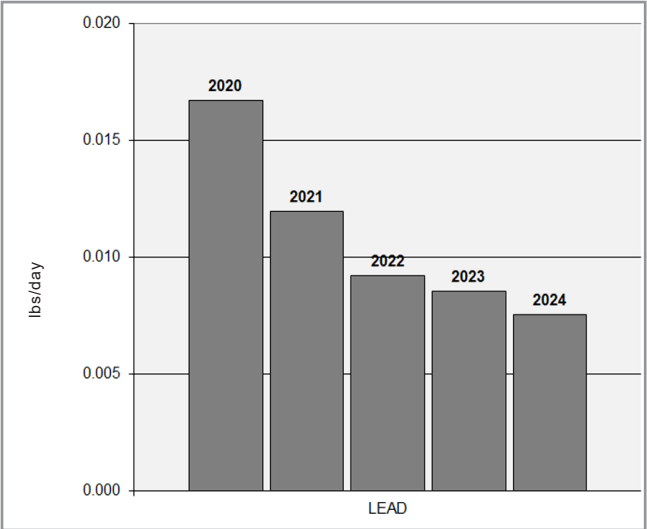
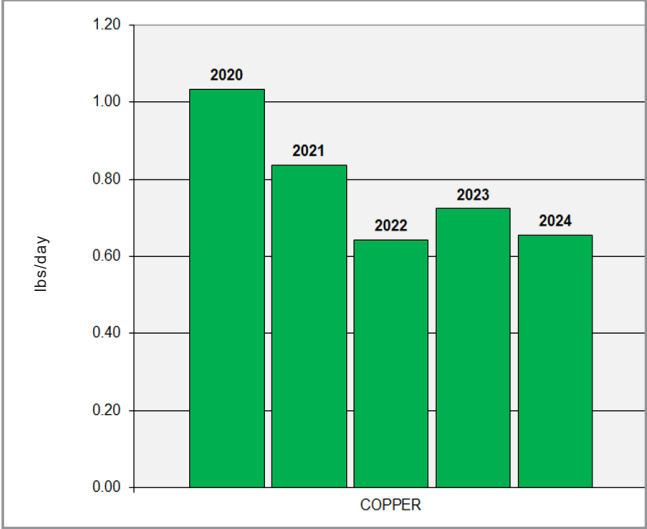
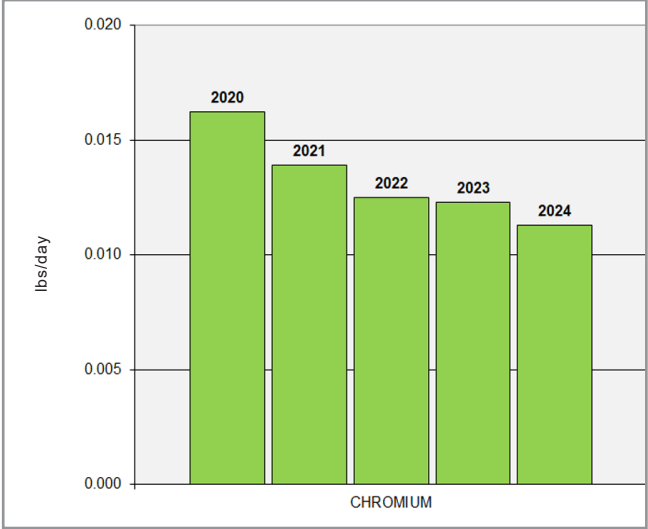
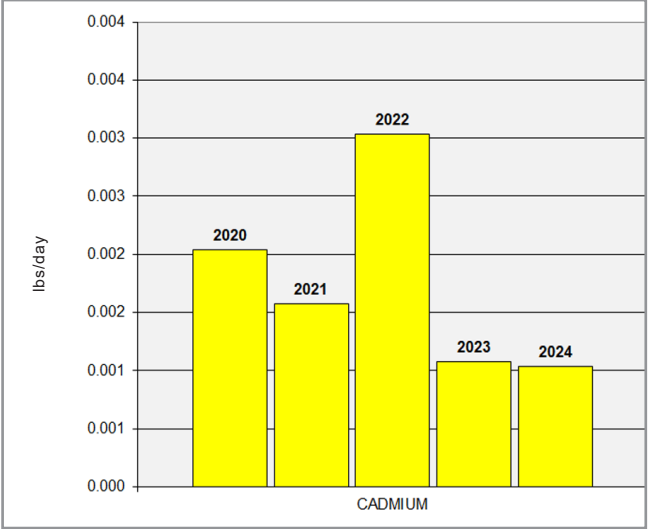
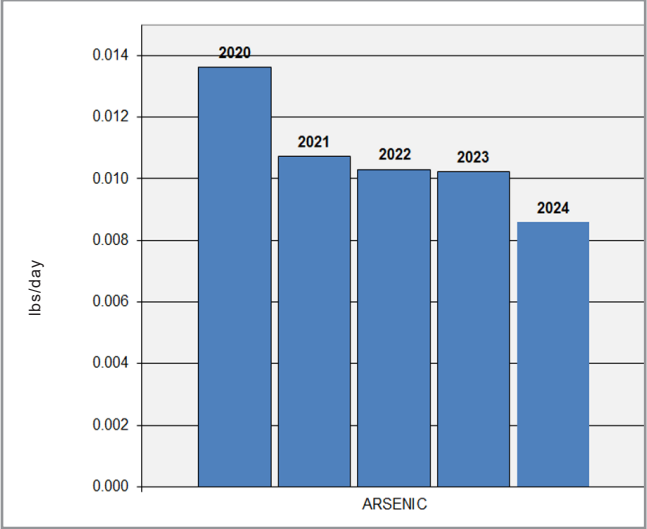
BUDD INLET TREATMENT PLANT

REMOVAL EFFICIENCY TRENDS 2020-2024



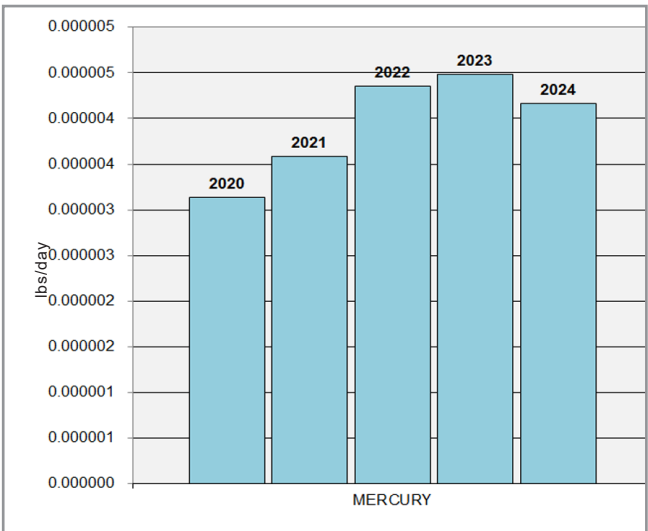
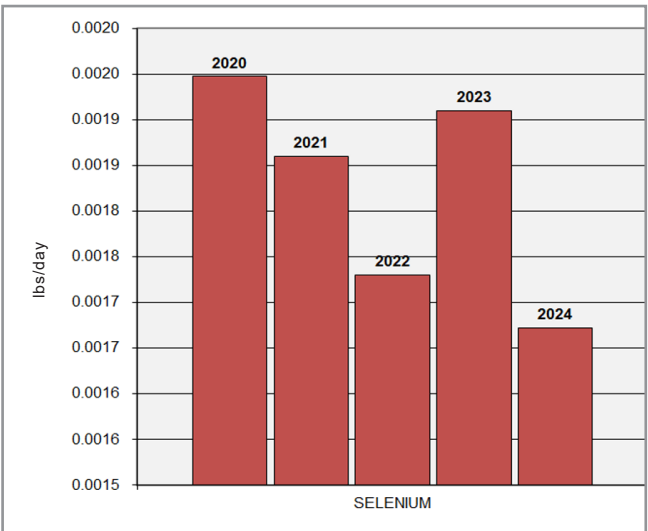
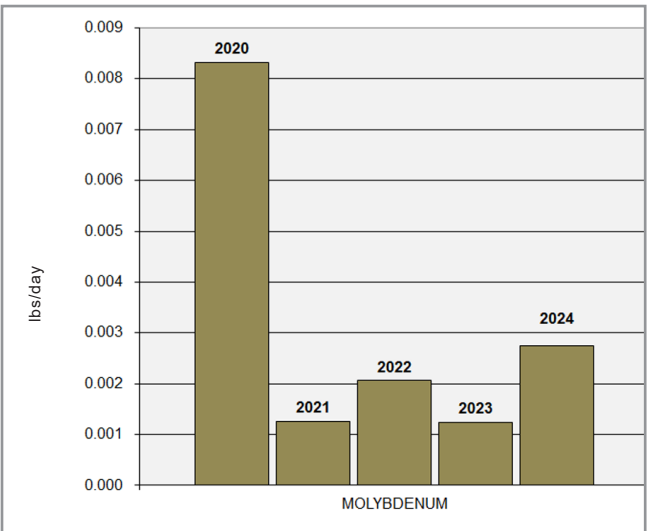
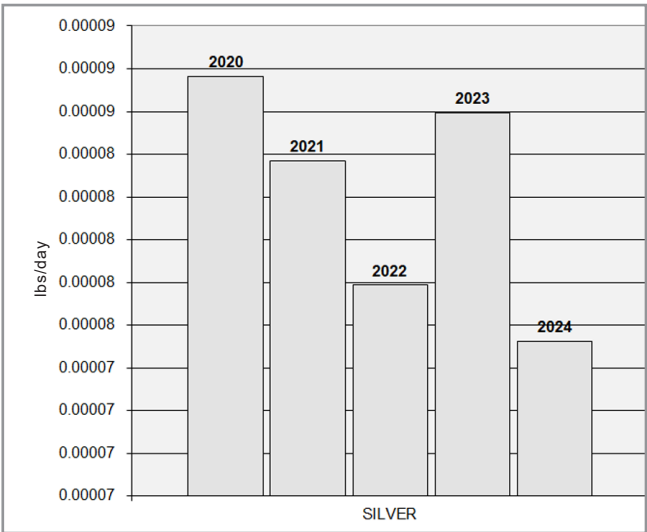
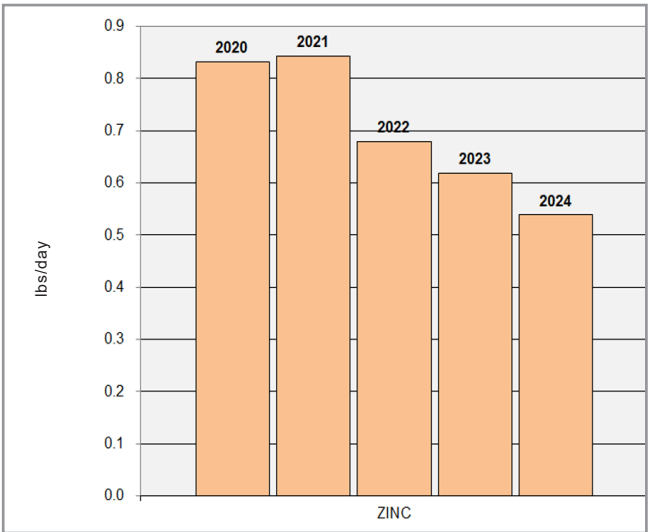
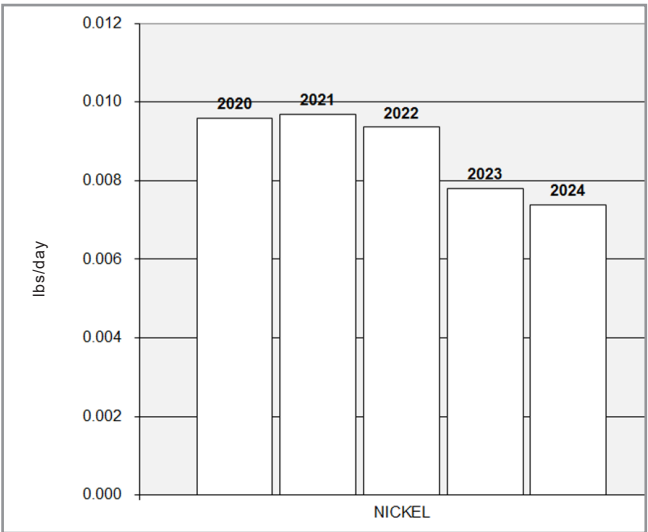
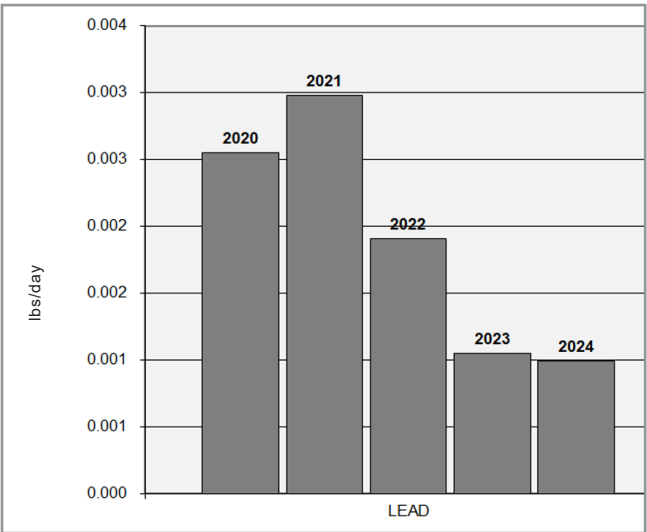
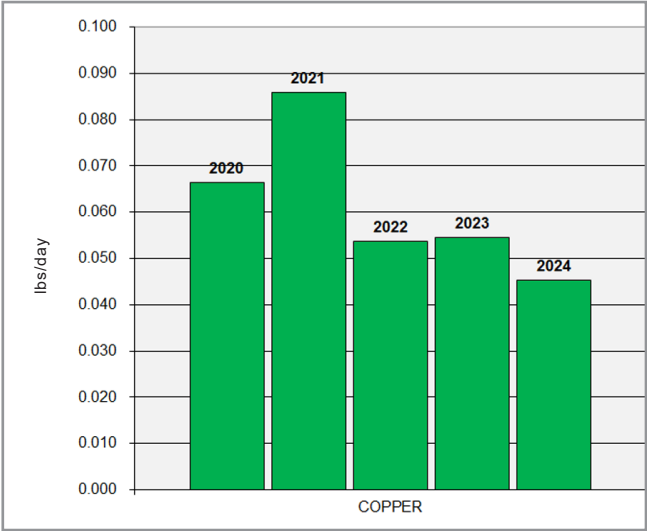
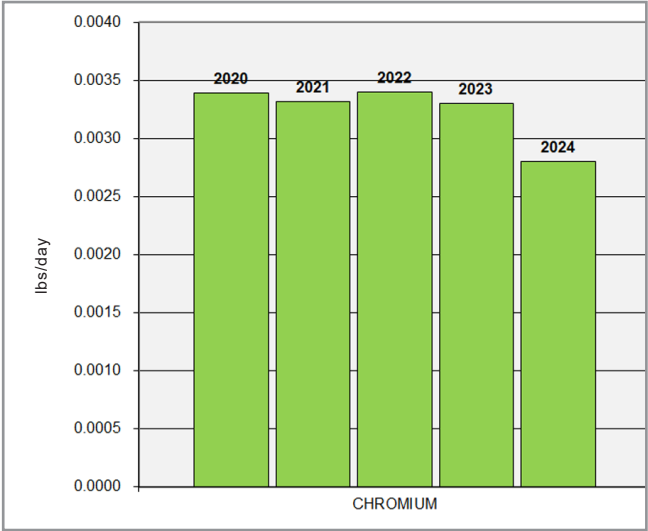
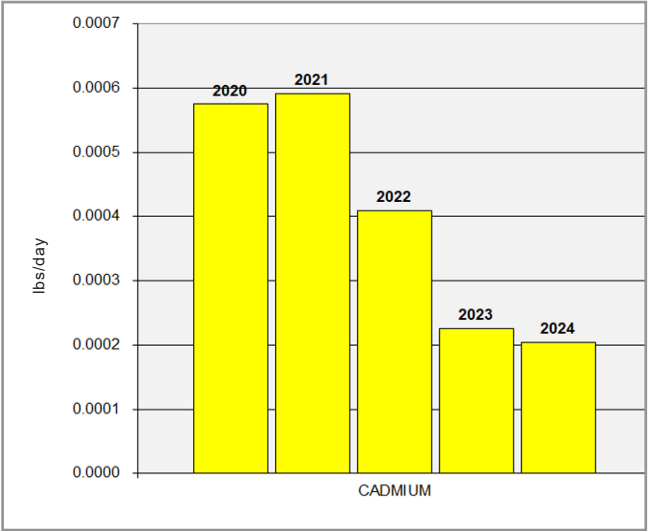
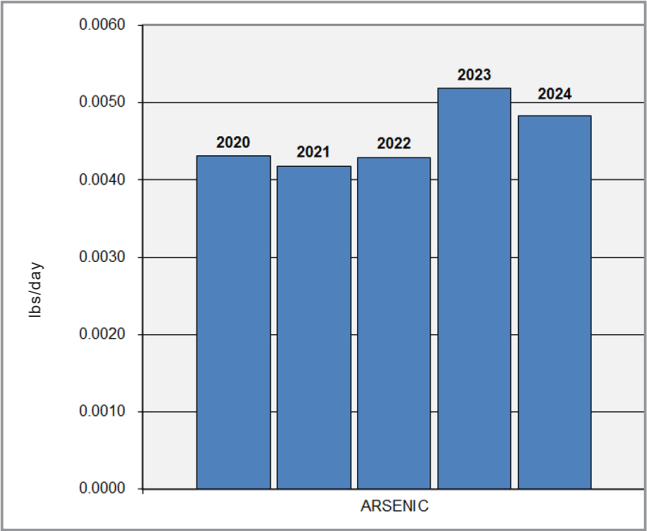
MARTIN WAY RECLAIMED WATER PLANT

INFLUENT METALS LOADING TRENDS 2020-2024



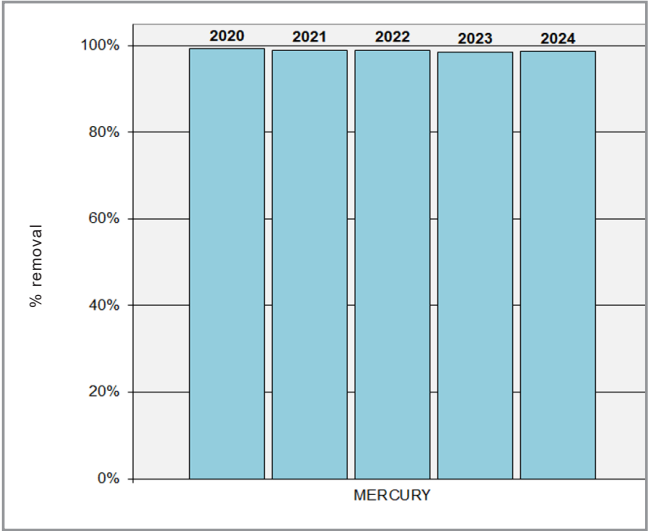
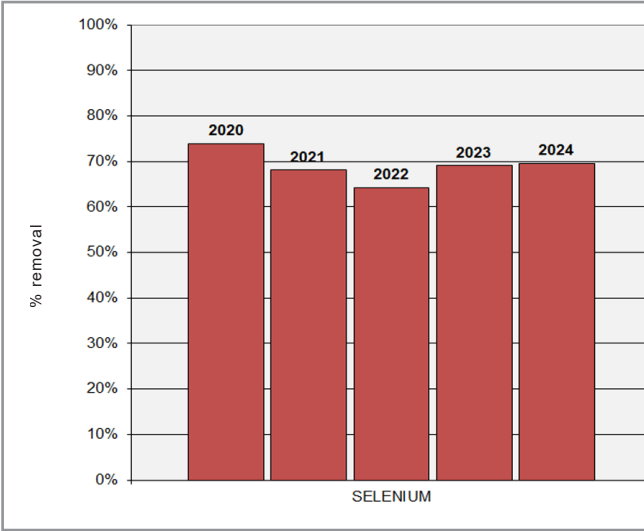
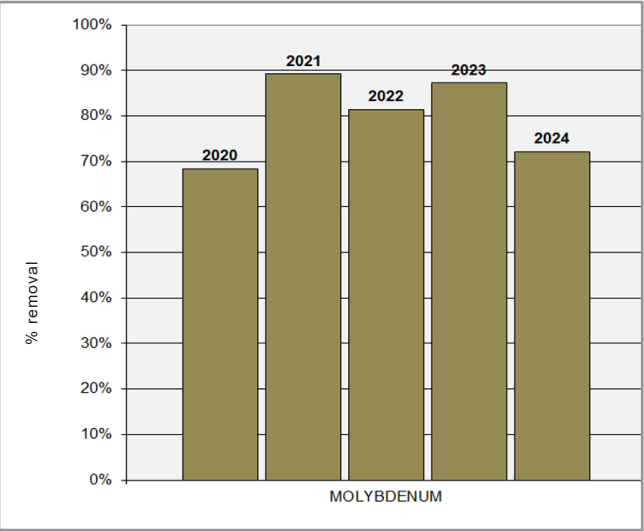
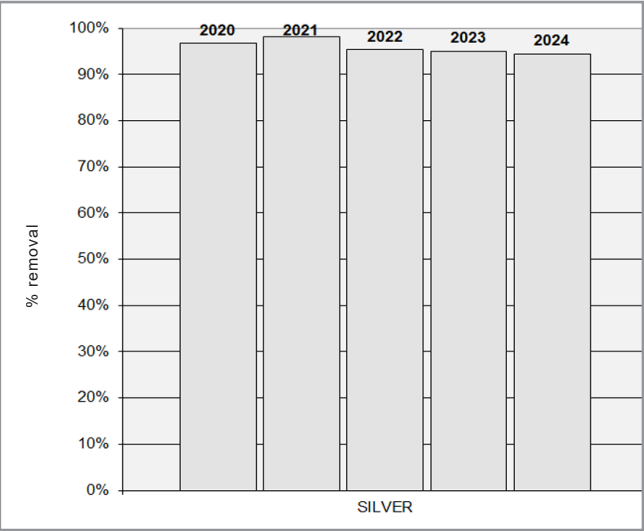
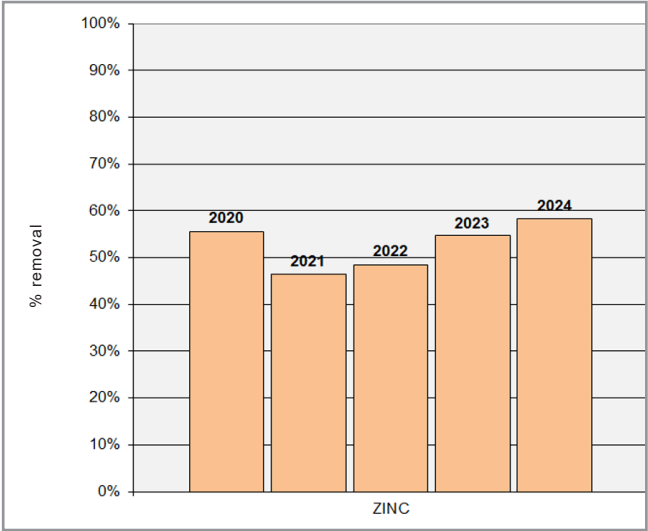
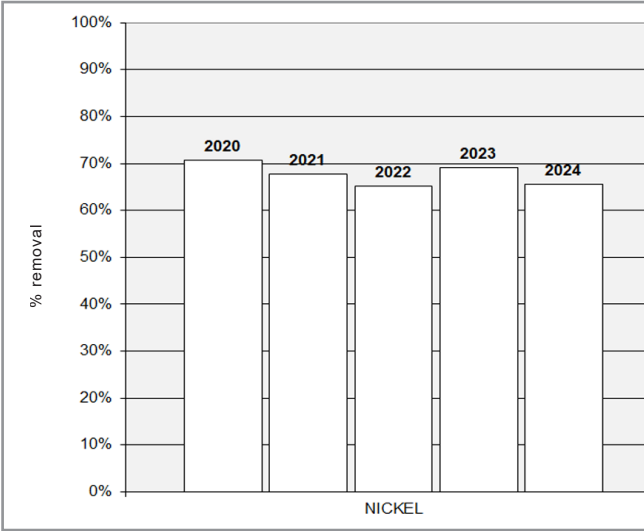
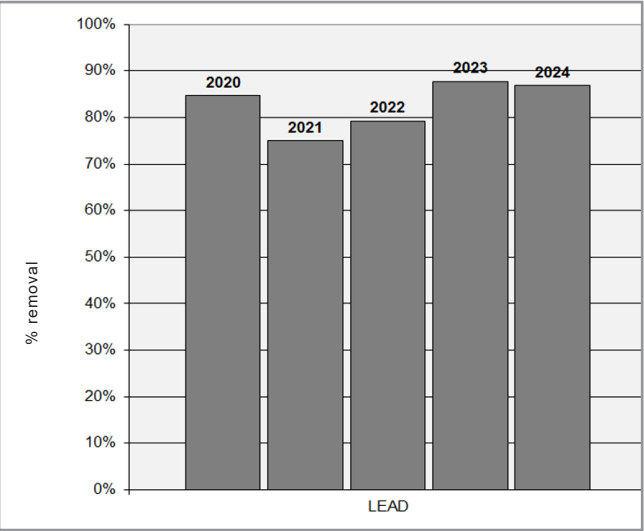
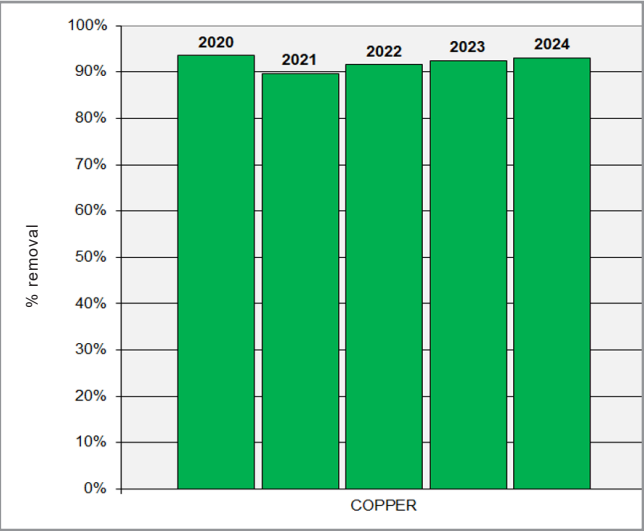
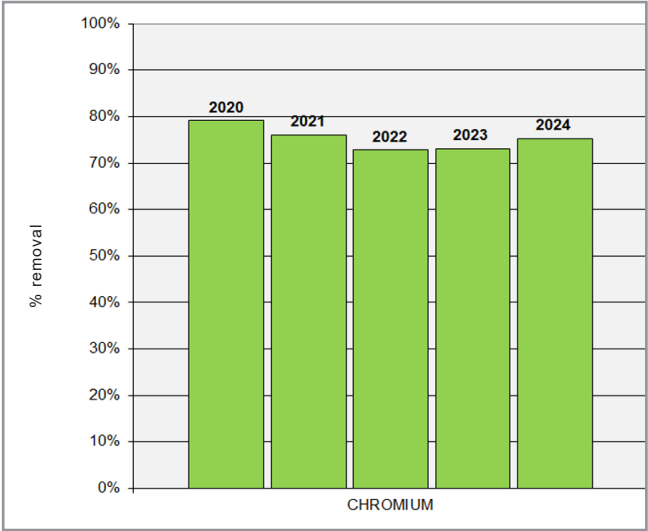
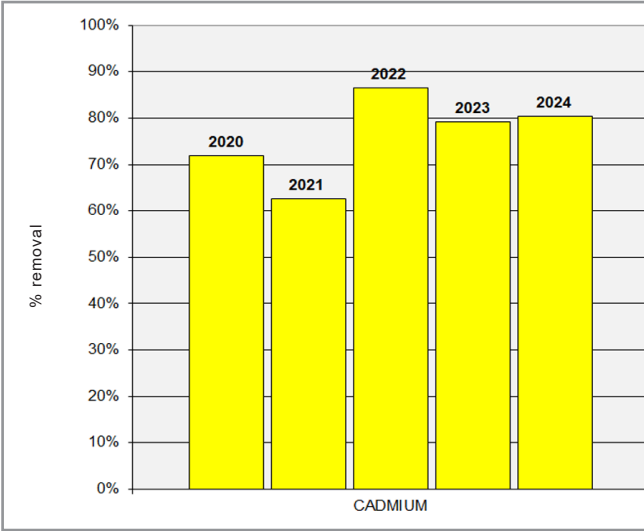
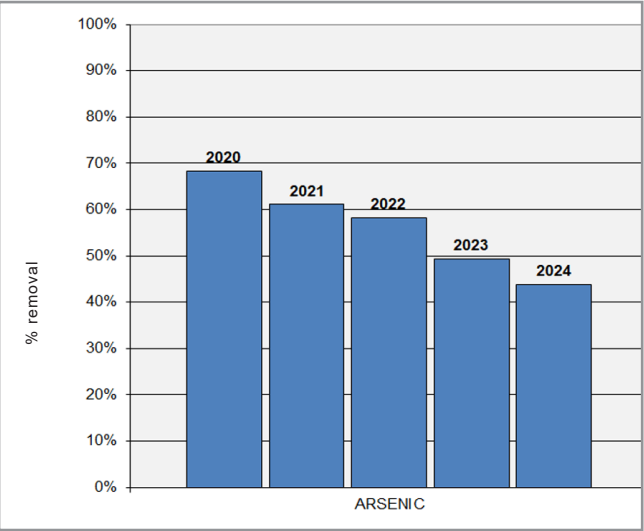
MARTIN WAY RECLAIMED WATER PLANT

FINAL EFFLUENT METALS LOADING TRENDS 2020-2024



MARTIN WAY RECLAIMED WATER PLANT

REMOVAL EFFICIENCY TRENDS 2020-2024



BUDD INLET TREATMENT PLANT
POLLUTANT ANALYSES FOR PLANT INFLUENT PRIMARY EFFLUENT AND FINAL EFFLUENT
2024

POLLUTANT ANALYSES FOR PLANT INFLUENT

ANALYTE		Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Lead		Mercury		Molybdenum		Nickel		Selenium		Silver		Thallium		Zinc		Oil and Grease		Phenolics		Cyanide	
MONTH	AVE. FLOW MGD	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	ng/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day		
JAN	16.48	0.588	0.081	1.65	0.227	0.005 U	0.001 J	0.093	0.013	1.32	0.181	37.1	5.10	1.31	0.180	46.3	0.00636	1.58	0.217	2.34	0.322	0.6 J	0.08 J	0.184	0.0253	0.009 U	0.001 J	96.9	13.3						
FEB	14.95	0.449	0.056	1.30	0.162	0.008 J	0.001 J	0.104	0.0130	1.62	0.202	32.7	4.08	1.15	0.143	42.1	0.00525	1.95	0.243	2.24	0.279	0.4 J	0.05 J	0.126	0.0157	0.015 J	0.0019 J	91.2	11.4	19.4	2.42	0.076	0.0095	0.0005 U	0.0001 J
MAR	13.84	0.508	0.059	1.53	0.177	0.006 J	0.001 J	0.097	0.011	1.01	0.117	36.3	4.19	0.850	0.0981	22.2	0.00256	1.63	0.188	2.18	0.252	0.4 J	0.05 J	0.157	0.0181	0.009 U	0.001 J	96.7	11.2						
APR	12.00	0.605	0.061	1.47	0.147	0.005 U	0.001 J	0.110	0.0110	1.25	0.125	37.6	3.76	1.23	0.123	43.2	0.00432	1.68	0.168	2.45	0.245	0.5 J	0.05 J	0.207	0.0207	0.009 U	0.001 J	106	10.6						
MAY	10.88	0.673	0.061	1.40	0.127	0.006 J	0.001 J	0.126	0.0114	1.57	0.142	53.8	4.88	1.26	0.114	27.9	0.00253	2.11	0.191	2.75	0.250	0.6 J	0.05 J	0.192	0.0174	0.009 U	0.001 J	119	10.8	20.9	1.90	0.093	0.0084	0.0005 U	0.00005 J
JUN	10.64	0.560	0.050	1.67	0.148	0.026	0.0023	0.132	0.0117	2.42	0.215	60.2	5.34	2.61	0.232	24.1	0.00214	2.32	0.206	4.08	0.362	0.7 J	0.06 J	0.294	0.0261	0.014 J	0.0012 J	135	12.0						
JUL	9.83	0.752	0.062	1.55	0.127	0.008 J	0.001 J	0.213	0.0175	1.29	0.106	51.3	4.21	1.92	0.157	25.4	0.00208	2.81	0.230	3.05	0.250	0.5 J	0.04 J	0.258	0.0212	0.009 U	0.001 J	115	9.43						
AUG	10.13	0.57	0.048	2.06	0.174	0.005 U	0.000 J	0.108	0.00912	1.18	0.100	50.8	4.29	1.68	0.142	24.8	0.00210	2.77	0.234	2.74	0.231	0.5 J	0.04 J	0.207	0.0175	0.009 U	0.001 J	124	10.5	21.0	1.77	0.075	0.0063	0.0005 U	0.00004 J
SEP	10.08	0.732	0.062	1.68	0.141	0.006 J	0.001 J	0.114	0.00958	1.31	0.110	49.8	4.19	1.62	0.136	35.0	0.00294	3.68	0.309	2.85	0.240	0.5 J	0.04 J	0.258	0.0217	0.009 U	0.001 J	112	9.42						
OCT	10.34	0.763	0.066	1.95	0.168	0.005 U	0.000 J	0.122	0.0105	1.27	0.110	51.7	4.46	1.65	0.142	29.3	0.00253	2.47	0.213	3.06	0.264	0.8 J	0.07 J	0.225	0.0194	0.009 U	0.001 J	129	11.1						
NOV	12.34	0.577	0.059	1.65	0.170	0.005 U	0.001 J	0.162	0.0167	1.33	0.137	72.2	7.43	1.27	0.131	27.0	0.00278	1.34	0.138	3.01	0.310	0.6 J	0.06 J	0.202	0.0208	0.009 U	0.001 J	133	13.7	27.3	2.81	0.075	0.0077	0.0005 U	0.0001 J
DEC	14.91	0.584	0.073	1.59	0.198	0.009 J	0.001 J	0.263	0.0327	1.54	0.191	67.6	8.41	2.29	0.285	22.7	0.00282	2.12	0.264	2.95	0.367	0.9 J	0.10 J	0.882	0.110	0.009 U	0.001 J	134	16.7						
MAX	16.48	0.763	0.081	2.06	0.227	0.026	0.002 J	0.263	0.0327	2.42	0.215	72.2	8.41	2.61	0.285	46.3	0.00636	3.68	0.309	4.08	0.367	0.9 J	0.10 J	0.882	0.110	0.015 U	0.0019 J	135	16.7	27.3	2.81	0.093	0.0095	0.0005 U	0.0001 J
MIN	9.83	0.449	0.048	1.30	0.127	0.005 U	0.000 J	0.093	0.00912	1.01	0.100	32.7	3.76	0.850	0.0981	22.2	0.00208	1.34	0.138	2.18	0.231	0.4 J	0.04 J	0.126	0.0157	0.009 U	0.001 J	91.2	9.42	19.4	1.77	0.075	0.0063	0.0005 U	0.00004 J
AVE	12.20	0.613	0.061	1.63	0.164	0.008 J	0.001 J	0.137	0.014	1.43	0.145	50.1	5.03	1.57	0.157	30.8	0.00320	2.21	0.217	2.81	0.281	0.6 J	0.06 J	0.266	0.0278	0.01 U	0.001 J	116	11.7	22.2	2.22	0.080	0.0080	0.0005 U	0.0001 J

POLLUTANT ANALYSES FOR PRIMARY EFFLUENT

ANALYTE		Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Lead		Mercury		Molybdenum		Nickel		Selenium		Silver		Thallium		Zinc		
MONTH	AVE. FLOW MGD	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	ng/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	
JAN	16.48	0.479	0.0658	1.33	0.183	0.005 U	0.001 J	0.056	0.0077	0.87	0.12	24.2	3.33	0.619	0.0851	22.3	0.00306	1.58	0.217	2.04	0.280	0.3 J	0.04 J	0.089	0.012	0.009 U	0.001 J	64.3	8.84	
FEB	14.95	0.416	0.0519	1.24	0.155	0.005 U	0.001 J	0.063	0.0079	1.08	0.135	24.0	2.99	0.593	0.0739	16.5	0.00206	1.79	0.223	1.98	0.247	0.3 J	0.04 J	0.084	0.010	0.009 U	0.001 J	63.8	7.95	
MAR	13.84	0.477	0.0551	1.36	0.157	0.005 J	0.001 J	0.076	0.0088	1.13	0.130	24.1	2.78	0.531	0.0613	14.8	0.00171	1.60	0.185	1.96	0.226	0.3 J	0.03 J	0.122	0.0141	0.016 J	0.0018 J	64.8	7.48	
APR	12.00	0.468	0.0468	1.44	0.144	0.005 U	0.001 J	0.061	0.0061	0.73	0.073	26.7	2.67	0.587	0.0587	40.6	0.00406	1.55	0.155	2.05	0.205	0.3 J	0.03 J	0.089	0.0089	0.009 U	0.001 J	71.1	7.12	
MAY	10.88	0.492	0.0446	1.48	0.134	0.005 U	0.000 J	0.081	0.0073	0.80	0.073	33.9	3.08	0.684	0.0621	14.2	0.00129	3.16	0.287	2.30	0.209	0.4 J	0.04 J	0.124	0.0113	0.009 U	0.001 J	79.0	7.17	
JUN	10.64	0.443	0.0393	1.56	0.138	0.021	0.0019	0.087	0.0077	1.76	0.156	32.0	2.84	1.23	0.109	15.0	0.00133	2.09	0.185	3.23	0.287	0.4 J	0.04 J	0.177	0.0157	0.009 U	0.001 J	87.9	7.80	
JUL	9.83	0.576	0.0472	1.62	0.133	0.005 U	0.0004 J	0.083	0.0068	1.16	0.095	38.3	3.14	0.791	0.0648	18.6	0.00152	3.54	0.290	2.74	0.225	0.4 J	0.03 J	0.136	0.0111	0.009 U	0.001 J	90.8	7.44	
AUG	10.13	0.43	0.0363	1.73	0.146	0.005 U	0.0004 J	0.074	0.0063	1.31	0.111	33.6	2.84	1.01	0.0853	4.50	0.00038	2.36	0.199	2.51	0.212	0.4 J	0.03 J	0.106	0.00896	0.009 U	0.001 J	76.4	6.45	
SEP	10.08	0.514	0.0432	1.67	0.140	0.005 U	0.0004 J	0.070	0.0059	1.10	0.092	31.5	2.65	0.998	0.0839	27.9	0.00235	3.50	0.294	2.71	0.228	0.4 J	0.03 J	0.108	0.00908	0.009 U	0.001 J	72.1	6.06	
OCT	10.34	0.551	0.0475	1.77	0.153	0.005 U	0.0004 J	0.080	0.0069	1.32	0.114	33.4	2.88	0.705	0.0608	17.9	0.00154	1.62	0.140	2.89	0.249	0.5 J	0.04 J	0.131	0.0113	0.009 U	0.001 J	82.7	7.13	
NOV	12.34	0.481	0.0495	1.54	0.158	0.005 U	0.001 J	0.074	0.0076	1.05	0.108	37.2	3.83	0.621	0.0639	18.1	0.00186	1.30	0.134	2.41	0.248	0.4 J	0.04 J	0.132	0.0136	0.009 U	0.001 J	78.8	8.11	
DEC	14.91	0.499	0.0621	1.45	0.180	0.005 U	0.001 J	0.177	0.0220	1.00	0.124	28.4	3.53	1.07	0.133	21.3	0.00265	1.69	0.210	2.19	0.272	0.3 J	0.04 J	0.174	0.0216	0.009 U	0.001 J	69.5	8.64	
MAX	16.48	0.576	0.0658	1.77	0.183	0.021	0.0019	0.177	0.0220	1.76	0.156	38.3	3.83	1.23	0.133	40.6	0.00406	3.54	0.294	3.23	0.287	0.5 J	0.04 J	0.177	0.0216	0.016 J	0.0018 J	90.8	8.84	
MIN	9.83	0.416	0.0363	1.24	0.133	0.005 U	0.0004 J	0.056	0.0059	0.73	0.073	24.0	2.65	0.531	0.0587	4.50	0.000380	1.30	0.134	1.96	0.205	0.3 J	0.03 J	0.084	0.0089	0.009 U	0.001 J	63.8	6.06	
AVE	12.20	0.486	0.0491	1.52	0.152	0.006 J	0.0006 J	0.082	0.0084	1.11	0.111	30.6	3.05	0.787	0.0785	19.3	0.00198	2.15	0.210	2.42	0.241	0.4 J	0.04 J	0.123	0.0124	0.01 U	0.001 J	75.1	7.52	

POLLUTANT ANALYSES FOR FINAL EFFLUENT

ANALYTE		Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Lead		Mercury		Molybdenum		Nickel		Selenium		Silver		Thallium		Zinc		Oil and Grease		Phenolics		Cyanide	
MONTH	AVE. FLOW MGD	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	ng/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	mg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day
JAN	16.48	0.364	0.0500	1.25	0.172	0.005 U	0.0007 J	0.008 U	0.001 J	0.36	0.049	3.13	0.430	0.174	0.0239	1.09	0.000150	1.05	0.144	1.13	0.155	0.2 U	0.03 J	0.009 U	0.001 J	0.009 U	0.001 J	38.3	5.26						
FEB	14.95	0.333	0.0415	1.17	0.146	0.005 U	0.0006 J	0.016 J	0.002 J	0.38	0.047	4.03	0.502	0.198	0.0247	1.12	0.000140	1.68	0.209	1.13	0.141	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.001 J	43.0	5.36	1.4 U	0.17 J	0.030	0.000036	0.005 U	0.00000003 J
MAR	13.84	0.349	0.0403	1.14	0.132	0.005 U	0.0006 J	0.031	0.0036	0.47	0.054	6.05	0.698	0.250	0.0289	44.0	0.00508	1.15	0.133	1.29	0.149	0.2 U	0.02 J	0.020	0.0023	0.009 U	0.001 J	45.2	5.22						
APR	12.00	0.358	0.0358	1.05	0.105	0.005 U	0.0005 J	0.018 J	0.002 J	0.35	0.035	3.61	0.361	0.178	0.0178	1.45	0.000145	0.77	0.077	1.24	0.124	0.2 U	0.02 J	0.011 J	0.0011 J	0.009 U	0.0009 J	38.4	3.84						
MAY	10.88	0.378	0.0343	1.14	0.103	0.005 U	0.0005 J	0.024	0.0022	0.34	0.031	3.55	0.322	0.196	0.0178	1.02	0.0000926	1.46	0.132	1.34	0.122	0.2 U	0.02 J	0.009 U	0.0008 J	0.009 U	0.0008 J	50.1	4.55	1.4 U	0.13 J	0.014 J	0.000012 J	0.0005 U	0.000000002 J
JUN	10.64	0.351	0.0311	1.11	0.098	0.005 U	0.0004 J	0.033	0.0029	0.41	0.036	4.30	0.382	0.332	0.0295	1.31	0.000116	1.12	0.0994	1.58	0.140	0.2 U	0.02 J	0.010 J	0.0009 J	0.009 U	0.0008 J	59.6	5.29						
JUL	9.83	0.419	0.0344	1.16	0.095	0.005 U	0.0004 J	0.023	0.0019	0.54	0.044	6.43	0.527	0.507	0.0416	1.90	0.000156	2.03	0.166	1.88	0.154	0.2 U	0.02 J	0.016 J	0.0013 J	0.009 U	0.0007 J	59.7	4.89						
AUG	10.13	0.37	0.031	1.13	0.095	0.005 U	0.0004 J	0.011 J	0.0009 J	0.42	0.035	5.08	0.429	0.278	0.0235	1.37	0.000116	1.83	0.155	1.71	0.144	0.2 U	0.02 J	0.009 U	0.0008 J	0.0090 U	0.00076 J	45.5	3.84	1.4 U	0.12 J	0.017 J	0.000014 J	0.0017 J	0.0000000060 J
SEP	10.08	0.464	0.0390	1.24	0.104	0.005 U	0.0004 J	0.011 J	0.0009 J	0.59	0.050	3.76	0.316	0.267	0.0224	2.25	0.000189	1.93	0.162	1.47	0.124	0.2 U	0.02 J	0.009 U	0.0008 J	0.009 U	0.0008 J	43.3	3.64						
OCT	10.34	0.382	0.0329	1.36	0.117	0.005 U	0.0004 J	0.026	0.0022	0.46	0.040	6.35	0.548	0.410	0.0354	1.31	0.000113	0.65	0.056	1.88	0.162	0.2 U	0.02 J	0.009 U	0.0008 J	0.009 U	0.0008 J	66.1	5.70						
NOV	12.34	0.404	0.0416	1.29	0.133	0.005 U	0.0005 J	0.037	0.0038	0.42	0.043	8.43	0.868	0.384	0.0395	1.55	0.000160	0.70	0.072	1.95	0.201	0.2 U	0.02 J	0.014 J	0.0014 J	0.009 U	0.0009 J	67.7	6.97	2.5 J	0.26 J	0.017 J	0.000019 J	0.0012 J	0.0000000051 J
DEC	14.91	0.387	0.0481	1.08	0.134	0.005 U	0.0006 J	0.008	0.001	0.44	0.055	5.90	0.734	0.208	0.0259	1.6	0.00020	0.84	0.104	1.60	0.199	0.2 U	0.02 J	0.013 J	0.0016 J	0.009 U	0.001 J	43.0	5.35						
MAX	16.48	0.464	0.0500	1.36	0.172	0.005 U	0.0007 J	0.04	0.0038	0.59	0.055	8.43	0.868	0.507	0.0416	44.0	0.00508	2.03	0.209	1.95	0.201	0.2 U	0.03 J	0.020	0.0023	0.009 J	0.001 J	67.7	6.97	2.5 J	0.26 J	0.030	0.000036	0.005 U	0.00000003 J
MIN	9.83	0.333	0.031	1.05	0.095	0.005 U	0.0004 J	0.01	0.0009 J	0.34	0.031	3.13	0.316	0.174	0.0178	1.02	0.0000926	0.65	0.056	1.13	0.122	0.2 U	0.02 J	0.009 J	0.0008 J	0.009 J	0.0007 J	38.3	3.64	1.4 U	0.12 J	0.014 J	0.000012 J	0.0005 J	0.000000002 J
AVE	12.20	0.380	0.038	1.18	0.120	0.005 U	0.0005 J	0.02	0.002 J	0.43	0.043	5.05	0.510	0.282	0.0276	5.00	0.00055	1.3	0.13	1.52	0.151	0.2 U	0.02 J	0.012 J	0.001 J	0.009 J	0.001 J	50.0	4.99	1.7 J	0.17 J	0.02 J	0.000020 J	0.0021 J	0.00000001 J

BUDD INLET TREATMENT PLANT

PRIMARY EFFLUENT AND FINAL EFFLUENT REMOVAL EFFICIENCY

2024

Unless otherwise noted, for purposes of determining removal efficiencies, detection limit values are used for non-detect results.

Primary Effluent Removal Efficiency															
ANALYTE		Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Zinc
MONTH	AVE. FLOW MGD	%	%	%	%	%	%	%	%	%	%	%	%	%	%
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	16.48	18.5	19.4	0.00	39.8	34.1	34.8	52.7	51.8	0.00	12.8	50.0	51.6	0.00	33.6
	14.95	7.3	4.62	37.5	39.4	33.3	26.6	48.4	60.8	8.21	11.6	25.0	33.3	40.0	30.0
	13.84	6.1	11.1	16.7	21.6	-11.9	33.6	37.5	33.3	1.84	10.1	25.0	22.3	-77.8	33.0
	12.00	22.6	2.04	0.00	44.5	41.6	29.0	52.3	6.02	7.74	16.3	40.0	57.0	0.00	32.9
	10.88	26.9	-5.71	16.7	35.7	49.0	37.0	45.7	49.1	-49.8	16.4	33.3	35.4	0.00	33.6
	10.64	20.9	6.59	19.2	34.1	27.3	46.8	52.9	37.8	9.91	20.8	42.9	39.8	35.7	34.9
	9.83	23.4	-4.52	37.5	61.0	10.1	25.3	58.8	26.8	-26.0	10.2	20.0	47.3	0.00	21.0
	10.13	24.6	16.0	0.00	31.5	-11.0	33.9	39.9	81.9	14.8	8.39	20.0	48.8	0.00	38.4
	10.08	29.8	0.60	16.7	38.6	16.0	36.7	38.4	20.3	4.89	4.91	20.0	58.1	0.00	35.6
	10.34	27.8	9.23	0.00	34.4	-3.9	35.4	57.3	38.9	34.4	5.56	37.5	41.8	0.00	35.9
	12.34	16.6	6.67	0.00	54.3	21.1	48.5	51.1	33.0	2.99	19.9	33.3	34.7	0.00	40.8
	14.91	14.6	8.81	44.4	32.7	35.1	58.0	53.3	6.2	20.3	25.8	66.7	80.3	0.00	48.1
MAX	16.48	29.8	19.4	44.4	61.0	49.0	58.0	58.8	81.9	34.4	25.8	66.7	80.3	40.0	48.1
MIN	9.83	6.10	-5.71	0.00	21.6	-11.9	25.3	37.5	6.0	-49.8	4.91	20.0	22.3	-77.8	21.0
AVE	12.20	19.9	6.24	15.7	39.0	20.1	37.1	49.0	37.2	2.44	13.6	34.5	45.9	-0.2	34.8

Final Effluent Removal Efficiency																		
ANALYTE		Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Zinc	Oil and Grease	Phenolics	Cyanide
MONTH	AVE. FLOW MGD	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	16.48	38.1	24.24	0.00	91.4	72.7	91.6	86.7	97.6	33.5	51.7	66.7	95.1	0.00	60.5			
	14.95	25.8	10.00	37.5	84.6	76.5	87.7	82.8	97.3	13.8	49.6	50.0	92.9	40.0	52.9	92.8	60.5	-900.00
	13.84	31.3	25.49	16.7	68.0	53.5	83.3	70.6	-98.2	29.4	40.8	50.0	87.3	0.00	53.3			
	12.00	40.8	28.57	0.00	83.6	72.0	90.4	85.5	96.6	54.2	49.4	60.0	94.7	0.00	63.8			
	10.88	43.8	18.57	16.7	81.0	78.3	93.4	84.4	96.3	30.8	51.3	66.7	95.3	0.00	57.9	93.3	84.9	0.00
	10.64	37.3	33.53	80.8	75.0	83.1	92.9	87.3	94.6	51.7	61.3	71.4	96.6	35.7	55.9			
	9.83	44.3	25.16	37.5	89.2	58.1	87.5	73.6	92.5	27.8	38.4	60.0	93.8	0.00	48.1			
	10.13	35.1	45.15	0.00	89.8	64.4	90.0	83.5	94.5	33.9	37.6	60.0	95.7	0.00	63.3	93.3	77.3	-240.00
	10.08	36.6	26.19	16.7	90.4	55.0	92.4	83.5	93.6	47.6	48.4	60.0	96.5	0.00	61.3			
	10.34	49.9	30.26	0.00	78.7	63.8	87.7	75.2	95.5	73.7	38.6	75.0	96.0	0.00	48.8			
	12.34	30.0	21.82	0.00	77.2	68.4	88.3	69.8	94.3	47.8	35.2	66.7	93.1	0.00	49.1	90.8	77.3	-140.00
	14.91	33.7	32.08	44.4	97.0	71.4	91.3	90.9	93.0	60.4	45.8	77.8	98.5	0.00	67.9			
MAX	16.48	49.9	45.15	80.8	97.0	83.1	93.4	90.9	97.6	73.7	61.3	77.8	98.5	40.0	67.9	93.3	84.95	0.00
MIN	9.83	25.8	10.00	0.00	68.0	53.5	83.3	69.8	-98.2	13.8	35.2	50.0	87.3	0.00	48.1	90.8	60.53	-900
AVE	12.20	37.2	26.75	20.9	83.8	68.1	89.7	81.1	79.0	42.1	45.7	63.7	94.6	9.46	56.9	92.6	75.0	-320

MARTIN WAY RECLAIMED WATER PLANT																															
POLLUTANT ANALYSES FOR PLANT INFLUENT AND CLASS A WATER																															
2024																															
Unless otherwise noted, for purposes of determining removal efficiencies, detection limit values are used for non-detect results.																															
PI – Primary Influent				CLA – Class A Water				RE – Removal Efficiency																							
ANALYTE				Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Iron		Lead		Manganese		Mercury		Molybdenum		Nickel		Selenium		Silver	
DATE	PI AVE. FLOW (MGD)	CLA AVE. FLOW (MGD)		µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	ng/L	lbs/day	µg/L	lbs/day	ug/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day
02/01/24	1.19	1.02	PI	0.547	0.00465	0.76	0.0065	0.007 J	0.0001 J	0.082	0.00081	1.05	0.0104	48.8	0.484	297	2.95	0.695	0.00690	69.0	0.685	13.7	0.000136	0.82	0.0081	1.84	0.0183	0.4 J	0.004 J	0.118	0.00117
			CLA	0.504	0.00429	0.64	0.0054	0.005 U	0.00004 J	0.026	0.00022	0.32	0.0027	6.94	0.0590	16.8	0.143	0.111	0.000944	46.9	0.399	0.39	0.0000033	0.36	0.0031	0.76	0.0065	0.2 U	0.002 J	0.009 U	0.0001 J
			RE	0.079		0.16		0.29		0.68		0.70		0.86		0.94		0.84		0.32		0.97		0.56		0.59		0.50		0.92	
05/02/24	1.18	0.97	PI	0.933	0.00918	0.83	0.0082	0.005 U	0.00005 J	0.101	0.000994	1.01	0.00994	57.5	0.566	214	2.11	0.692	0.00681	33.9	0.334	24.9	0.000245	0.92	0.0091	1.87	0.0184	0.5 J	0.005 J	0.093	0.00092
			CLA	0.520	0.0042	0.48 J	0.0039 J	0.005 U	0.00004 J	0.022	0.00018	0.34	0.0028	4.40	0.036	18.8	0.15	0.145	0.0012	52.7	0.426	0.49	0.0000040	0.36	0.0029	0.83	0.0067	0.2 U	0.002 J	0.009 U	0.0001 J
			RE	0.443		0.42		0.00		0.78		0.66		0.92		0.91		0.79		-0.55		0.98		0.61		0.56		0.60		0.90	
08/22/24	1.11	0.92	PI	0.511	0.00473	1.11	0.0103	0.006 J	0.0001 J	0.126	0.00117	1.22	0.0113	65.6	0.607	625	5.79	0.886	0.00820	125	1.16	54.0	0.000500	1.16	0.0107	2.59	0.0240	0.7 J	0.01 J	0.177	0.00164
			CLA	0.449	0.0034	0.69	0.0053	0.005 U	0.00004 J	0.028	0.00021	0.33	0.0025	5.59	0.043	16.0	0.12	0.096	0.00074	28.0	0.215	0.59	0.0000045	0.56	0.0043	0.91	0.0070	0.2 U	0.002 J	0.009 U	0.0001 J
			RE	0.121		0.38		0.17		0.78		0.73		0.91		0.97		0.89		0.78		0.99		0.52		0.65		0.71		0.95	
11/07/24	1.32	1.10	PI	0.574	0.00632	0.86	0.0095	0.005 U	0.0001 J	0.108	0.00119	1.23	0.0135	87.6	0.964	229	2.52	0.747	0.00822	30.3	0.334	30.9	0.000340	1.04	0.0114	2.29	0.0252	0.6 J	0.01 J	0.156	0.00172
			CLA	0.489	0.0045	0.51	0.0047	0.005 U	0.00005 J	0.022	0.00020	0.35	0.0032	4.80	0.0440	20.3	0.186	0.121	0.00111	41.4	0.380	0.53	0.0000049	0.08 J	0.0007	1.02	0.00936	0.2 U	0.002 J	0.009 U	0.0001 J
			RE	0.148		0.41		0.00		0.80		0.72		0.95		0.91		0.84		-0.37		0.98		0.92		0.55		0.67		0.94	
MIN	1.11	0.92	PI	0.51	0.00465	0.76	0.0065	0.005 U	0.00005 J	0.082	0.00081	1.01	0.0099	48.8	0.484	214	2.11	0.692	0.00681	30.3	0.334	13.7	0.000136	0.82	0.0081	1.84	0.0183	0.4 J	0.004 J	0.093	0.00092
			CLA	0.45	0.0034	0.48	0.0039 J	0.005 U	0.00004 J	0.022	0.00018	0.32	0.0025	4.40	0.036	16.0	0.12	0.096	0.00074	28.0	0.215	0.39	0.0000033	0.08 J	0.0007	0.76	0.0065	0.2 U	0.002 J	0.009 U	0.00
			RE	0.079		0.16		0.00		0.68		0.66		0.86		0.91		0.79		-0.55		0.97		0.52		0.55		0.50		0.90	
MAX	1.32	1.10	PI	0.93	0.00918	1.11	0.0103	0.007 J	0.0001 J	0.126	0.00119	1.23	0.0135	87.6	0.964	625	5.79	0.886	0.00822	125	1.16	54.0	0.000500	1.16	0.0114	2.59	0.0252	0.7 J	0.01 J	0.177	0.00
			CLA	0.52	0.0045	0.69	0.0054	0.005 U	0.00005 J	0.028	0.00022	0.35	0.0032	6.94	0.059	20.3	0.186	0.145	0.0012	52.7	0.426	0.59	0.0000049	0.56	0.0043	1.02	0.00936	0.2 U	0.002 J	0.009 U	0.00
			RE	0.443		0.42		0.29		0.80		0.73		0.95		0.97		0.89		0.78		0.99		0.92		0.65		0.71		0.95	
AVERAGE	1.20	1.00	PI	0.64	0.0062	0.89	0.0086	0.006 J	0.0001 J	0.10	0.0010	1.13	0.0113	64.9	0.655	341	3.34	0.755	0.00753	64.6	0.627	30.88	0.000305	0.99	0.0098	2.15	0.0215	0.6 J	0.01 J	0.136	0.00
			CLA	0.49	0.0041	0.58 J	0.0048	0.005 J	0.00004 J	0.02	0.00020	0.34	0.0028	5.43	0.045	18.0	0.15	0.12	0.0010	42.3	0.355	0.50	0.0000042	0.3	0.003	0.88	0.0074	0.2 J	0.002 J	0.009 J	0.00
			RE	19.8%		34.1%		11.3%		76.0%		70.1%		91.0%		93.5%		84.0%		4.4%		98.1%		65.2%		58.7%		62.0%		93.0%	
				Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Iron		Lead		Manganese		Mercury		Molybdenum		Nickel		Selenium		Silver	

ANALYTE				Thallium		Zinc		Cr6		Conductivity		TDS		Chloride		Sulfate		Hydrazine		Oil & Grease, Total		Phenolics, Total		Cyanide, Total		Orthophosphate		Phosphorus, Total		
DATE	PI AVE. FLOW (MGD)	CLA AVE. FLOW (MGD)		µg/L	lbs/day	µg/L	lbs/day	µg/L	lbs/day	uMHOS/cm	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	µg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
02/01/24	1.19	1.02	PI	0.009 U	0.0001 J	101	1.00	0.14	0.0014	744	348	3450	40.2	399	21.1	209	115	1.14	17.1	170	0.107	1.06	0.0005 U	0.005 J	4.08	40.5	6.03	59.8		
			CLA	0.009 U	0.0001 J	55.0	0.468	0.059	0.00050	519	309	2630	49.0	417	28.9	246	2.1 J	0.018 J	3.2 J	27 J	0.021	0.18	0.0009 J	0.008 J	2.10	17.9	1.96	16.7		
			RE	0.00		0.46		0.58		0.30		0.11		-0.22		-0.37		0.98		0.81		0.80		-0.80		0.49		0.67		
05/02/24	1.18	0.97	PI	0.009 U	0.0001 J	130	1.28	0.30	0.0030	802	383	3770	42.7	420	23.2	228	124	1.22	21.9	216	0.093	0.92	0.0005 U	0.00	4.78	47.0	6.55	64.5		
			CLA	0.009 U	0.0001 J	67.0	0.54	0.13	0.0011	526	323	2600	45.9	370	25.5	206	2.2 J	0.018 J	1.4 U	11	0.021	0.17	0.0009 J	0.01	2.50	20	2.55	20.6		
			RE	0.00		0.48		0.57		0.34		0.16		-0.07		-0.10		0.98		0.94		0.77		-0.80		0.48		0.61		
08/22/24	1.11	0.92	PI	0.021	0.00019	139	1.29	0.36	0.0033	773	360	3330	43.9	406	27.2	252	208	1.93	10.5	97.2	0.073	0.68	0.0005 U	0.00	4.96	45.9	7.35	68.0		
			CLA	0.009 U	0.0001 J	55.4	0.43	0.36	0.0028	524	327	2500	50.2	380	27.1	208	0.9 U	0.01 J	2.1 J	16	0.012 J	0.09	0.0005 U	0.00	5.50	42.2	5.25	40.3		
			RE	0.57		0.60		0.00		0.32		0.09		-0.14		0.00		1.00		0.80		0.84		0.00		-0.11		0.29		
11/07/24	1.32	1.10	PI	0.009 U	0.0001 J	145	1.60	0.41	0.0045	821	384	4230	45.2	498	20.0	220	6.9	0.076	20.5	226	0.100	1.10	0.0005 U	0.01	5.25	57.8	6.75	74.3		
			CLA	0.009 U	0.0001 J	78.5	0.720	0.54	0.0050	525	329	3000	48.5	445	25.2	231	0.9 J	0.008 J	1.8 J	17	0.016 J	0.15	0.0005 U	0.00	2.52	23.1	2.40	22.0		
			RE	0.00		0.46		-0.32		0.36		0.14		-0.07		-0.26		0.87		0.91		0.84		0.00		0.52		0.64		
MIN	1.11	0.92	PI	0.009 U	0.0001 J	101	1.00	0.14	0.0030	744	348	3330	40.2	399	20.0	209	6.9	0.076	10.5	97.2	0.07	0.68	0.00	0.00	4.08	40.5	6.03	59.8		
			CLA	0.009 U	0.0001 J	55.0	0.43	0.059	0.0011	519	309	2500	45.9	370	25.2	206	0.9 U	0.01 J	1.4 U	11	0.01	0.09	0.00	0.00	2.10	17.9	1.96	16.7		
			RE	0.00		0.46		-0.32		0.30		0.09		-0.22		-0.37		0.87		0.80		0.77		-0.80		-0.11		0.29		
MAX	1.32	1.10	PI	0.021	0.00019	145	1.60	0.41	0.0045	821	384	4230	45.2	498	27.2	252	208	1.93	21.9	226	0.11	1.10	0.00	0.01	5.25	57.8	7.35	74.3		
			CLA	0.009 U	0.0001 J	78.5	0.720	0.54	0.0050	526	329	3000	50.2	445	28.9	246	2.2 J	0.018 J	3.2 J	27 J	0.02	0.18	0.00	0.01	5.50	42.2	5.25	40.3		
			RE	0.57		0.60		0.57		0.36		0.16		-0.07		0.00		1.00		0.94		0.84		0.00		0.52		0.67		
AVERAGE	1.20	1.00	PI	0.01 J	0.0001 J	129	1.29	0.27	0.0036	785	369	3700	43.0	431	22.9	227	113	1.1	17.5	177	0.09	0.94	0.00	0.01	4.77	47.8	6.67	66.7		
			CLA	0.01 J	0.0001 J	64.0	0.54	0.26	0.0029	524	322	2700	48.4	403	26.7	223	2 J	0.01 J	2.1 J	18 J	0.02	0.15	0.00	0.01	3.16	25.9	3.04	24.9		
			RE	14.3%		50.0%		8.3%		33.2%		12.6%		-12.8%		-18.1%		95.7%		86.5%		81.3%		-40.0%		34.3%		55.4%		
				Thallium		Zinc		Cr6		Conductivity		TDS		Chloride		Sulfate		Hydrazine		Oil & Grease, Total		Phenolics, Total		Cyanide, Total		Orthophosphate		Phosphorus, Total		

BIOSOLIDS PRIORITY POLLUTANTS ANALYSES SUMMARY
2024
40 CFR Part 122 Table III Metals/Cyanide/Phenol Priority Pollutants & Molybdenum

	Units	ANTIMONY DRY WT.		ARSENIC DRY WT.		BERYLLIUM DRY WT.		CADMIUM DRY WT.		CHROMIUM DRY WT.		COPPER DRY WT.		LEAD DRY WT.		MERCURY DRY WT.	
		mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day
MONTH	DRY TONS																
JAN	153.35																
FEB	129.47	1.78	0.0171	4.0	0.04	0.07 J	0.001 J	0.82	0.0079	14.2	0.136	350	3.36	12.3	0.118	0.594	0.00569
MAR	144.01																
APR	151.22	2.34	0.0227	4.0	0.04	0.082	0.00079	0.974	0.00943	20.1	0.195	378	3.66	16.1	0.156	0.365	0.00353
MAY	186.85																
JUN	152.71	2.01	0.0224	3.6	0.040	0.097	0.0011	0.871	0.00970	16.8	0.187	359	4.00	11.8	0.131	0.429	0.00478
JUL	141.17																
AUG	146.70	2.73	0.0254	5.1	0.047	0.15	0.0014	1.37	0.0127	23.0	0.214	529	4.91	22.6	0.210	0.40	0.00371
SEP	121.39																
OCT	158.86	2.30	0.0211	4.5	0.041	0.074 J	0.00068 J	0.949	0.00872	19.0	0.175	434	3.99	14.7	0.135	0.362	0.00333
NOV	145.24																
DEC	177.76	2.06	0.0218	4.0	0.042	0.070 J	0.00074 J	0.879	0.00931	20.1	0.213	417	4.42	14.9	0.158	0.44	0.00466
	MIN	1.78	0.0171	3.60	0.038	0.070	0.001 J	0.82	0.0079	14.2	0.136	350	3.36	11.8	0.118	0.362	0.00333
	MAX	2.73	0.0254	5.10	0.047	0.150	0.0014	1.37	0.0127	23.0	0.214	529	4.91	22.6	0.210	0.594	0.00569
	AVG	2.20	0.0217	4.20	0.041	0.091	0.001 J	0.98	0.00962	18.9	0.186	411	4.05	15.4	0.151	0.43	0.00428
Biosolids Limits	Table 1* Table 3*			75 41				85 39				4,300 1,500		840 300		57 17	

	Units	MOLYBDENUM DRY WT.		NICKEL DRY WT.		SELENIUM DRY WT.		SILVER DRY WT.		THALLIUM DRY WT.		ZINC DRY WT.		CYANIDE DRY WT.		PHENOLICS DRY WT.	
		mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day	mg/Kg	lbs/day
MONTH	DRY TONS																
JAN	153.35																
FEB	129.47	8.39	0.0804	15.5	0.149	5.5	0.053	2.55	0.0244	0.05 J	0.0005 J	616	5.91	2.72	0.0261	2.2	0.021
MAR	144.01																
APR	151.22	9.11	0.0882	17.2	0.166	6.4	0.062	2.85	0.0276	0.043 J	0.00042 J	665	6.44	2.41	0.0233	2.20	0.0213
MAY	186.85																
JUN	152.71	9.07	0.101	14.8	0.165	5.8	0.065	2.00	0.0223	0.049 J	0.00055 J	640	7.13	2.60	0.0289	10.5	0.117
JUL	141.17																
AUG	146.70	12.9	0.120	20.8	0.193	8.8	0.082	2.78	0.0258	0.11	0.0010	922	8.56	1.7	0.0158	16.9	0.157
SEP	121.39																
OCT	158.86	10.1	0.0928	15.8	0.145	6.7	0.062	2.47	0.0227	0.039 J	0.00036 J	922	8.47	700 J	6 J	2.40	0.0217
NOV	145.24																
DEC	177.76	10.3	0.109	15.8	0.167	6.7	0.071	2.39	0.0253	0.103	0.0011	683	7.23	1300	14	1.8 J	0.019
	MIN	8.39	0.0804	14.8	0.145	5.5	0.053	2.00	0.0223	0.039 J	0.00036 J	616	5.91	1.70	0.0158	1.8 J	0.019
	MAX	12.9	0.120	20.8	0.193	8.8	0.082	2.85	0.0276	0.11	0.0011	922	8.56	1300	14	16.9	0.157
	AVG	9.98	0.0985	16.7	0.164	6.7	0.066	2.51	0.0247	0.066 J	0.0007 J	741	7.29	334.91	3 J	6.0 J	0.059
Biosolids Limits	Table 1* Table 3*	75		420 420		100 100						7,500 2,800					

Analyses performed by ALS Environmental (formerly Columbia Analytical, Inc.), Kelso, WA
† – These compounds are unstable under normal conditions. As per EPA Method 624 guideline, the reported values are estimates.
B – The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards
D – The reported result is from a dilution.
J – The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N – The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P – The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U – The compound was analyzed for, but not detected ("Non-detect") at or above the MRL/MDL.
i – The MRL/MDL has been elevated due to a matrix interference.
DL – Detection level
QL – Quantitation Level
RDL – Regulatory Detection Level
RQL – Regulatory Quantitation Level
* 40 CFR § 503.13 Biosolids Ceiling Limit and Monthly Average Limit

BUDD INLET TREATMENT PLANT PRIMARY INFLUENT 2024 TABLE II, 40 CFR Part 122, ORGANICS, PRIORITY POLLUTANTS																								
VOLATILE ORGANIC COMPOUNDS						SEMI-VOLATILE ORGANIC COMPOUNDS											ORGANOCHLORINE PESTICIDES							
METHOD EPA 624	SAMPLE DATE					METHOD EPA 625	SAMPLE DATE					METHOD EPA 625	SAMPLE DATE					METHOD EPA 3520C/608	SAMPLE DATE					
	08/22/24						08/22/24						08/22/24						08/22/24					
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L	ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L	ANALYTE	CAS	DL	QL	RDL-RQL	ug/L	ANALYTE	CAS	DL	QL	RDL-RQL	ng/L	
Chloromethane	74873	0.060	0.50	1.0 - 2.0	0.15 J	1,2,4-Trichlorobenzene	120821	0.33	8.0	1.9 - 5.7	0.33 U	Bis(2-ethylhexyl) Phthalate	117817	5.8	8.0	2.5 - 7.5	7.3 J	alpha-BHC	319846	9.4	0.51	3.0 - 9.0	3.9 JP	
Vinyl Chloride	75014	0.090	0.50	1.0 - 2.0	0.090 U	2,4,6-Trichlorophenol	88062	3.0	8.0	2.7 - 8.1	3.0 U	Butyl Benzyl Phthalate	85687	7.8	8.0	2.5 - 7.5	7.8 U	beta-BHC	319857	42	42	6.0 - 18	42 U	
Bromomethane	74839	0.090	0.50	5.0 - 10.0	0.090 U	2,4-Dichlorophenol	120832	1.1	8.0	2.7 - 8.1	1.1 U	Chrysene	218019	0.79	8.0	2.5 - 7.5	0.79 U	gamma-BHC (Lindane)	58899	9.4	0.67	4.0 - 12	9.4 U	
Chloroethane	75003	0.10	0.50	1.0 - 2.0	0.10 U	2,4-Dimethylphenol	105679	2.0	8.0	2.7 - 8.1	2.0 U	Dibenz(a,h)acridine*	226368	-	20	2.5 - 10.0	20 U	delta-BHC	319868	9.4	0.46	9.0 - 27	9.4 U	
1,1-Dichloroethene	75354	0.080	0.50	2.8 - 8.4	0.080 U	2,4-Dinitrophenol	51285	18	40	42 - 126	18 U	Dibenz(a,h)anthracene	53703	1.5	8.0	2.5 - 7.5	1.5 U	Heptachlor	76448	9.8	9.8	3.0 - 9.0	9.8 U	
Methylene Chloride	75092	0.30	0.50	2.8 - 8.4	0.30 U	2,4-Dinitrotoluene	121142	1.9	8.0	5.7 - 17.1	1.9 U	Dibenz(a,j)acridine*	224420	-	20	2.5 - 10.0	20 U	Aldrin	309002	9.4	0.49	4.0 - 12	9.4 U	
trans-1,2-Dichloroethene	156605	0.070	0.50	1.6 - 4.8	0.070 U	2,6-Dinitrotoluene	606202	1.7	8.0	1.9 - 5.7	1.7 U	Dibenzo(a,e)pyrene*	192654	-	20	2.5 - 10.0	20 U	Heptachlor Epoxide	1024573	9.4	2.2	83 - 249	9.4 U	
1,1-Dichloroethane	75343	0.070	0.50	1.0 - 2.0	0.070 U	2-Chloronaphthalene	91587	0.38	8.0	1.9 - 5.7	0.38 U	Dibenzo(a,h)pyrene*	189640	-	20	2.5 - 10.0	20 U	Endosulfan I	959988	9.4	3.2	14 - 42	7.1 JP	
Chloroform	67663	0.070	0.50	1.6 - 4.8	8.1	2-Chlorophenol	95578	0.57	8.0	3.3 - 9.9	0.57 U	Dibenzo(a,i)pyrene*	189559	-	20	1.3 - 5.0	20 U	Dieldrin	60571	9.4	0.52	2.0 - 6.0	9.4 U	
1,1,1-Trichloroethane (TCA)	71556	0.070	0.50	3.8 - 11.4	0.070 U	2-Methyl-4,6-dinitrophenol	534521	17	20	24 - 72	17 U	Diethyl Phthalate	84662	0.65	8.0	1.9 - 5.7	1.5 J	4,4'-DDE	72559	9.4	0.74	4.0 - 12	9.4 U	
Carbon Tetrachloride	56235	0.20	0.50	2.8 - 8.4	0.20 U	2-Nitrophenol	88755	0.86	8.0	3.6 - 10.8	0.86 U	Dimethyl Phthalate	131113	0.68	8.0	1.6 - 4.8	0.68 U	Endrin	72208	9.4	0.53	6.0 - 18	9.4 U	
Benzene	71432	0.060	0.50	4.4 - 13.2	0.060 U	3,3'-Dichlorobenzidine	91941	0.89	20	16.5 - 49.5	0.89 U	Di-n-butyl Phthalate	84742	7.3	8.0	2.5 - 7.5	7.3 U	Endosulfan II	33213659	9.4	0.88	4.0 - 12	9.4 U	
1,2-Dichloroethane (EDC)	107062	0.060	0.50	2.8 - 8.4	0.060 U	3-Methylcholanthrene*	56495	-	20	2.0 - 8.0	20 U	Di-n-octyl Phthalate	117840	1.4	8.0	2.5 - 7.5	1.4 U	4,4'-DDD	72548	9.4	0.50	11 - 33	9.4 U	
Trichloroethene (TCE)	79016	0.080	0.50	1.9 - 5.7	0.080 U	4-Bromophenyl Phenyl Ether	101553	0.56	8.0	1.9 - 5.7	0.56 U	Fluoranthene	206440	0.69	8.0	2.2 - 6.6	0.69 U	Endrin Aldehyde	7421934	9.4	0.51	23 - 70	9.4 U	
1,2-Dichloropropane	78875	0.070	0.50	6.0 - 18.0	0.070 U	4-Chloro-3-methylphenol	59507	1.8	8.0	3.0 - 9.0	1.8 U	Fluorene	86737	0.35	8.0	1.9 - 5.7	0.35 U	Endosulfan Sulfate	1031078	9.4	0.36	66 - 198	9.4 U	
Bromodichloromethane	75274	0.20	0.50	2.2 - 6.6	0.96	4-Chlorophenyl Phenyl Ether	7005723	0.51	8.0	4.2 - 12.6	0.51 U	Hexachlorobenzene	118741	0.41	8.0	1.9 - 5.7	0.41 U	4,4'-DDT	50293	9.4	0.77	12 - 36	9.4 U	
2-Chloroethyl Vinyl Ether	110758	0.20	1.0	1.0 - 2.0	0.20 U	4-Nitrophenol	100027	18	20	2.4 - 7.2	18 U	Hexachlorobutadiene	87683	2.1	8.0	0.9 - 2.7	2.1 U	Toxaphene	8001352	470	56	0.24 - 0.5	470 U	
Trans-1,3-Dichloropropene	10061026	0.090	0.50	1.0 - 2.0	0.090 U	Acenaphthene	83329	0.38	8.0	1.9 - 5.7	0.38 U	Hexachlorocyclopentadiene	77474	11	40	2.0 - 4.0	11 U	Chlordane	57749	190	29	14 - 42	190 U	
Toluene	108883	0.070	0.50	6.0 - 18.0	0.78	Acenaphthylene	208968	0.52	8.0	3.5 - 10.5	0.52 U	Hexachloroethane	67721	2.1	8.0	1.6 - 4.8	2.1 U							
cis-1,3-Dichloropropene	542756	0.090	0.50	5.0 - 15.0	0.090 U	Anthracene	120127	1.2	8.0	1.9 - 5.7	1.2 U	Indeno(1,2,3-cd)pyrene	193395	2.0	8.0	3.7 - 11.1	2.0 U							
1,1,2-Trichloroethane	79005	0.060	0.50	5.0 - 15.0	0.060 U	Azobenzene†	122667	0.82	8.0	5.0 - 20	0.82 U	Isophorone	78591	1.7	8.0	2.2 - 6.6	1.7 U	POLYCHLORINATED BIPHENYLS (PCBs)						
Tetrachloroethene (PCE)	127184	0.050	0.50	4.1 - 12.3	0.050 U	Benz(a)anthracene	56553	0.60	8.0	7.8 - 23.4	0.60 U	Naphthalene	91203	0.39	8.0	1.6 - 4.8	0.39 U	METHOD EPA 3520C/608	SAMPLE DATE					
Dibromochloromethane	124481	0.20	0.50	3.1 - 9.3	0.26 J	Benzidine	92875	19	20	44 - 132	19 U	Nitrobenzene	98953	1.4	8.0	1.9 - 5.7	1.4 U		08/22/24					
Chlorobenzene	108907	0.050	0.50	6.0 - 18.0	0.050 U	Benzo(a)pyrene	50328	0.64	8.0	2.5 - 7.5	0.64 U	N-Nitrosodimethylamine	62759	2.8	8.0	2.0 - 4.0	2.8 U	ANALYTE	CAS	DL	QL	RDL-RQL	ng/L	
Ethylbenzene	100414	0.030	0.50	7.2 - 21.6	0.030 U	Benzo(g,h,i)perylene	191242	1.4	8.0	4.1 - 12.3	1.4 U	N-Nitrosodi-n-propylamine	621647	1.4	8.0	0.5 - 1.0	1.4 U	Aroclor-1016	12674112	100	19	0.065 - 0.195	100 U	
Bromoform	75252	0.40	0.50	4.7 - 14.1	0.40 U	Bis(2-chloroethoxy)methane	111911	0.52	8.0	5.3 - 15.9	0.52 U	N-Nitrosodiphenylamine	86306	0.82	8.0	1.0 - 2.0	0.8 U	Aroclor-1221	11104282	100	19	0.065 - 0.195	100 U	
1,1,2,2-Tetrachloroethane	79345	0.080	0.50	6.9 - 20.7	0.080 U	Bis(2-chloroethyl) Ether	111444	0.66	8.0	5.7 - 17.1	0.66 U	Pentachlorophenol	87865	4.9	20	3.6 - 10.8	4.9 U	Aroclor-1232	11141165	100	19	0.065 - 0.195	100 U	
1,3-Dichlorobenzene	541731	0.060	0.50	1.9 - 7.6	0.060 U	Bis(2-Chloro-1-Methylethyl) Ether *†	108601	0.46	8.0	5.7 - 17.1	0.46 U	Perylene*	198550	-	8.0	1.9 - 7.6	8.0 U	Aroclor-1242	53469219	100	19	0.065 - 0.195	100 U	
1,4-Dichlorobenzene	106467	0.090	0.50	4.4 - 17.6	0.21 J	Benzo(b)fluoranthene	205992	0.55	8.0	0.8 - 1.6	0.55 U	Phenanthrene	85018	0.34	8.0	5.4 - 16.2	0.34 U	Aroclor-1248	12672296	100	19	0.065 - 0.195	100 U	
1,2-Dichlorobenzene	95501	0.060	0.50	1.9 - 7.6	0.060 U	Benzo(k)fluoranthene	207089	8.0	8.0	0.8 - 1.6	8.0 U	Phenol	108952	0.22	8.0	1.5 - 4.5	16	Aroclor-1254	11097691	100	24	0.065 - 0.195	100 U	
Acrolein†	107028	2.0	5.0	5 - 10	2.0 U							Pyrene	129000	0.90	8.0	1.9 - 5.7	0.90 U	Aroclor-1260	11096825	100	24	0.065 - 0.195	100 U	
Acrylonitrile†	107131	0.20	0.50	1.0 - 2.0	0.20 U							† – 1,2-Diphenylhydrazine is reported as Azobenzene												

Analyses performed by ALS Environmental (formerly Columbia Analytical, Inc.), Kelso, WA

* - This compound is searched for as a tentatively identified compound.

† – These compounds are unstable under normal conditions. As per EPA Method 624 guideline, the reported values are estimates.

*1 - Previously reported as: Bis(2-chloroisopropyl) ether

B – The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards

D – The reported result is from a dilution.

J – The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

N – The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.

P – The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).

U – The compound was analyzed for, but not detected ("Non-detect") at or above the MRL/MDL.

i – The MRL/MDL has been elevated due to a matrix interference.

BUDD INLET TREATMENT PLANT
FINAL EFFLUENT
2024

TABLE II, 40 CFR Part 122, ORGANICS, PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS						SEMI-VOLATILE ORGANIC COMPOUNDS												ORGANOCHLORINE PESTICIDES					
METHOD EPA 624	SAMPLE DATE					METHOD EPA 625	SAMPLE DATE					METHOD EPA 625	SAMPLE DATE					METHOD EPA 3520C/608	SAMPLE DATE				
	08/22/24						08/22/24						08/22/24						08/22/24				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L	ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L	ANALYTE	CAS	DL	QL	RDL-RQL	ug/L	ANALYTE	CAS	DL	QL	RDL-RQL	ng/L
Chloromethane	74873	0.060	0.50	1.0 - 2.0	0.11 J	1,2,4-Trichlorobenzene	120821	0.033	0.80	1.9 - 5.7	0.033 U	Bis(2-ethylhexyl) Phthalate	117817	0.58	0.80	2.5 - 7.5	0.58 U	alpha-BHC	319846	9.5	0.51	3.0 - 9.0	9.5 U
Vinyl Chloride	75014	0.090	0.50	1.0 - 2.0	0.090 U	2,4,6-Trichlorophenol	88062	0.30	0.80	2.7 - 8.1	0.30 U	Butyl Benzyl Phthalate	85687	0.78	0.80	2.5 - 7.5	0.78 U	beta-BHC	319857	42	42	6.0 - 18	42 U
Bromomethane	74839	0.090	0.50	5.0 - 10.0	0.090 U	2,4-Dichlorophenol	120832	0.11	0.80	2.7 - 8.1	0.11 U	Chrysene	218019	0.079	0.80	2.5 - 7.5	0.079 U	gamma-BHC (Lindane)	58899	9.5	0.67	4.0 - 12	9.5 U
Chloroethane	75003	0.10	0.50	1.0 - 2.0	0.10 U	2,4-Dimethylphenol	105679	0.20	0.80	2.7 - 8.1	0.20 U	Dibenz(a,h)acridine*	226368	-	2.0	2.5 - 10.0	2.0 U	delta-BHC	319868	9.5	0.46	9.0 - 27	0.0061 JP
1,1-Dichloroethene	75354	0.080	0.50	2.8 - 8.4	0.080 U	2,4-Dinitrophenol	51285	1.8	4.0	42 - 126	1.8 U	Dibenz(a,h)anthracene	53703	0.15	0.80	2.5 - 7.5	0.15 U	Heptachlor	76448	9.5	0.51	3.0 - 9.0	9.5 U
Methylene Chloride	75092	0.30	0.50	2.8 - 8.4	0.38 J	2,4-Dinitrotoluene	121142	0.19	0.80	5.7 - 17.1	0.19 U	Dibenz(a,j)acridine*	224420	-	2.0	2.5 - 10.0	2.0 U	Aldrin	309002	9.5	0.49	4.0 - 12	9.5 U
trans-1,2-Dichloroethene	156605	0.070	0.50	1.6 - 4.8	0.070 U	2,6-Dinitrotoluene	606202	0.17	0.80	1.9 - 5.7	0.17 U	Dibenzo(a,e)pyrene*	192654	-	2.0	2.5 - 10.0	2.0 U	Heptachlor Epoxide	1024573	9.5	2.2	83 - 249	9.5 U
1,1-Dichloroethane	75343	0.070	0.50	1.0 - 2.0	0.070 U	2-Chloronaphthalene	91587	0.038	0.80	1.9 - 5.7	0.038 U	Dibenzo(a,h)pyrene*	189640	-	2.0	2.5 - 10.0	2.0 U	Endosulfan I	959988	9.5	3.2	14 - 42	9.5 U
Chloroform	67663	0.070	0.50	1.6 - 4.8	0.28 J	2-Chlorophenol	95578	0.057	0.80	3.3 - 9.9	0.057 U	Dibenzo(a,i)pyrene*	189559	-	2.0	1.3 - 5.0	2.0 U	Dieldrin	60571	9.5	0.52	2.0 - 6.0	9.5 U
1,1,1-Trichloroethane (TCA)	71556	0.070	0.50	3.8 - 11.4	0.070 U	2-Methyl-4,6-dinitrophenol	534521	1.7	2.0	24 - 72	1.7 U	Diethyl Phthalate	84662	0.065	0.80	1.9 - 5.7	0.068 BJ	4,4'-DDE	72559	9.5	0.74	4.0 - 12	9.5 U
Carbon Tetrachloride	56235	0.20	0.50	2.8 - 8.4	0.20 U	2-Nitrophenol	88755	0.086	0.80	3.6 - 10.8	0.086 U	Dimethyl Phthalate	131113	0.068	0.80	1.6 - 4.8	0.068 U	Endrin	72208	9.5	0.53	6.0 - 18	9.5 U
Benzene	71432	0.060	0.50	4.4 - 13.2	0.060 U	3,3'-Dichlorobenzidine	91941	0.089	2.0	16.5 - 49.5	0.089 U	Di-n-butyl Phthalate	84742	0.73	0.80	2.5 - 7.5	0.73 U	Endosulfan II	33213659	9.5	0.88	4.0 - 12	9.5 U
1,2-Dichloroethane (EDC)	107062	0.060	0.50	2.8 - 8.4	0.060 U	3-Methylcholanthrene*	56495	-	2.0	2.0 - 8.0	2.0 U	Di-n-octyl Phthalate	117840	0.14	0.80	2.5 - 7.5	0.14 U	4,4'-DDD	72548	9.5	0.50	11 - 33	9.5 U
Trichloroethene (TCE)	79016	0.080	0.50	1.9 - 5.7	0.080 U	4-Bromophenyl Phenyl Ether	101553	0.056	0.80	1.9 - 5.7	0.056 U	Fluoranthene	206440	0.069	0.80	2.2 - 6.6	0.069 U	Endrin Aldehyde	7421934	9.5	5.1	23 - 70	9.5 U
1,2-Dichloropropane	78875	0.070	0.50	6.0 - 18.0	0.070 U	4-Chloro-3-methylphenol	59507	0.051	0.80	3.0 - 9.0	0.051 U	Fluorene	86737	0.035	0.80	1.9 - 5.7	0.035 U	Endosulfan Sulfate	1031078	9.5	0.36	66 - 198	9.5 U
Bromodichloromethane	75274	0.20	0.50	2.2 - 6.6	0.20 U	4-Chlorophenyl Phenyl Ether	7005723	0.18	0.80	4.2 - 12.6	0.18 U	Hexachlorobenzene	118741	0.041	0.80	1.9 - 5.7	0.041 U	4,4'-DDT	50293	9.5	0.77	12 - 36	9.5 U
2-Chloroethyl Vinyl Ether	110758	0.20	1.0	1.0 - 2.0	0.20 U	4-Nitrophenol	100027	1.8	2.0	2.4 - 7.2	1.8 U	Hexachlorobutadiene	87683	0.21	0.80	0.9 - 2.7	0.21 U	Toxaphene	8001352	480	56	0.24 - 0.5	480 U
Trans-1,3-Dichloropropene	10061026	0.090	0.50	1.0 - 2.0	0.090 U	Acenaphthene	83329	0.038	0.80	1.9 - 5.7	0.038 U	Hexachlorocyclopentadiene	77474	1.1	4.0	2.0 - 4.0	1.1 U	Chlordane	57749	190	29	14 - 42	190 U
Toluene	108883	0.070	0.50	6.0 - 18.0	0.070 J	Acenaphthylene	208968	0.052	0.80	3.5 - 10.5	0.052 U	Hexachloroethane	67721	0.21	0.80	1.6 - 4.8	0.21 U	POLYCHLORINATED BIPHENYLS (PCBs)					
cis-1,3-Dichloropropene	542756	0.090	0.50	5.0 - 15.0	0.090 U	Anthracene	120127	0.12	0.80	1.9 - 5.7	0.12 U	Indeno(1,2,3-cd)pyrene	193395	0.20	0.80	3.7 - 11.1	0.20 U						
1,1,2-Trichloroethane	79005	0.060	0.50	5.0 - 15.0	0.060 U	Azobenzene†	122667	0.082	0.80	5.0 - 20	0.082 U	Isophorone	78591	0.17	0.80	2.2 - 6.6	0.17 U						
Tetrachloroethene (PCE)	127184	0.050	0.50	4.1 - 12.3	0.050 U	Benzo(a)anthracene	56553	0.060	0.80	7.8 - 23.4	0.060 U	Naphthalene	91203	0.039	0.80	1.6 - 4.8	0.039 U	METHOD	SAMPLE DATE				
Dibromochloromethane	124481	0.20	0.50	3.1 - 9.3	0.20 U	Benzidine	92875	1.9	2.0	44 - 132	1.9 U	Nitrobenzene	98953	0.14	0.80	1.9 - 5.7	0.14 U	EPA 3520C/608					
Chlorobenzene	108907	0.050	0.50	6.0 - 18.0	0.050 U	Benzo(a)pyrene	50328	0.064	0.80	2.5 - 7.5	0.064 U	N-Nitrosodimethylamine	62759	0.28	0.80	2.0 - 4.0	0.28 U	ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Ethylbenzene	100414	0.030	0.50	7.2 - 21.6	0.030 U	Benzo(g,h,i)perylene	191242	0.14	0.80	4.1 - 12.3	0.14 U	N-Nitrosodi-n-propylamine	621647	0.14	0.80	0.5 - 1.0	0.14 U	Aroclor-1016	12674112	100	19	0.065 - 0.195	100 U
Bromoform	75252	0.40	0.50	4.7 - 14.1	0.40 U	Bis(2-chloroethoxy)methane	111911	0.052	0.80	5.3 - 15.9	0.052 U	N-Nitrosodiphenylamine	86306	0.082	0.80	1.0 - 2.0	0.082 U	Aroclor-1221	11104282	100	19	0.065 - 0.195	100 U
1,1,2,2-Tetrachloroethane	79345	0.080	0.50	6.9 - 20.7	0.080 U	Bis(2-chloroethyl) Ether	111444	0.066	0.80	5.7 - 17.1	0.066 U	Pentachlorophenol	87865	0.49	2.0	3.6 - 10.8	0.49 U	Aroclor-1232	11141165	100	19	0.065 - 0.195	100 U
1,3-Dichlorobenzene	541731	0.060	0.50	1.9 - 7.6	0.060 U	Bis(2-Chloro-1-Methylethyl) Ether * ¹	108601	0.046	0.80	5.7 - 17.1	0.046 U	Perylene*	198550	-	0.80	1.9 - 7.6	0.80 U	Aroclor-1242	53469219	100	19	0.065 - 0.195	100 U
1,4-Dichlorobenzene	106467	0.090	0.50	4.4 - 17.6	0.15 J	Benzo(b)fluoranthene	205992	0.055	0.80	0.8 - 1.6	0.055 U	Phenanthrene	85018	0.034	0.80	5.4 - 16.2	0.034 U	Aroclor-1248	12672296	100	19	0.065 - 0.195	100 U
1,2-Dichlorobenzene	95501	0.060	0.50	1.9 - 7.6	0.060 U	Benzo(k)fluoranthene	207089	0.080	0.80		0.080 U	Phenol	108952	0.022	0.80	1.5 - 4.5	0.022 U	Aroclor-1254	11097691	100	24	0.065 - 0.195	100 U
Acrolein†	107028	2.0	5.0	5 - 10	2.0 U							Pyrene	129000	0.090	0.80	1.9 - 5.7	0.090 U	Aroclor-1260	11096825	100	24	0.065 - 0.195	100 U
Acrylonitrile†	107131	0.20	0.5	1.0 - 2.0	0.20 U							† – 1,2-Diphenylhydrazine is reported as Azobenzene											

Analyses performed by ALS Environmental (formerly Columbia Analytical, Inc.), Kelso, WA

† – These compounds are unstable under normal conditions. As per EPA Method 624 guideline, the reported values are estimates.

B – The analyte was found in the associated method blank at a level that is signifigant relative to the sample result as defined by the DOD or NELAC standards

D – The reported result is from a dilution.

J – The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

N – The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.

P – The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).

U – The compound was analyzed for, but not detected ("Non-detect") at or above the MRL/MDL.

i – The MRL/MDL has been elevated due to a matrix interference.

DL – Detection level

QL – Quantitation Level

RDL – Regulatory Detection Level

RQL – Regulatory Quantitation Level

* - This compound is searched for as a tentatively identified compound.

*¹ - Previously reported as: Bis(2-chloroisopropyl) ether

*² Sum of Benzo(b)fluoranthene (CAS 205992), Benzo(k)fluoranthene (CAS 207089)

VOLATILE ORGANIC COMPOUNDS																												SEMI-VOLATILE ORGANIC COMPOUNDS																		ORGANOCHLORINE PESTICIDES									
Method EPA 5035A 8260C		SAMPLE DATE 10/3/24				Method EPA 5035A 8260C		SAMPLE DATE 10/3/24				Method EPA 3541 8270D		SAMPLE DATE 8/22/24				Method EPA 3541 8270D		SAMPLE DATE 8/22/24				Method EPA 3541 8081B		SAMPLE DATE 8/22/24																													
ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L	ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L	ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L	ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L	ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L																										
Acetone	67641	29	-		29 U	cis-1,3-Dichloropropene	542756	0.72	-	1 - 2	0.72 U	1,2,4-Trichlorobenzene	120821	2.1	62	0.3 - 0.6	2.1 U	Benzoic Acid	65850	27	380		27 U	alpha-BHC	319846	9.5	-	0.025 - 0.05	9.5 U																										
Benzene	71432	0.72	-	1 - 2	0.72 U	trans-1,3-Dichloropropene	10061026	0.72	-		0.72 U	1,2-Dichlorobenzene	95501	1.5	62	1.9 - 736	1.5 U	Benzyl Alcohol	100516	1.4	62		1.4 U	beta-BHC	319857	6.0	-	0.025 - 0.05	6.0 U																										
Bromobenzene	108861	2.9	-		2.9 U	Ethylbenzene	100414	0.72	-	1 - 2	0.72 U	1,3-Dichlorobenzene	541731	1.6	62	1.9 - 7.6	1.6 U	Bis(2-chloroethoxy) methane	111911	1.8	62		1.8 U	gamma-BHC (Lindane)	58899	44	-	0.025 - 0.05	44 U																										
Bromochloromethane	74975	0.72	-		0.72 U	Hexachlorobutadiene	87683	2.9	-	0.5 - 1	2.9 U	1,4-Dichlorobenzene	106467	1.6	62	4.4 - 17.6	1.6 U	Bis(2-chloroethyl) Ether	111444	1.6	62	0.3 - 1	1.6 U	delta-BHC	319868	6.0	-	0.025 - 0.05	6.0 U																										
Bromodichloromethane	75274	0.72	-	1 - 2	0.72 U	2-Hexanone	591786	29	-		29 U	2,4,5-Trichlorophenol	95954	1.6	62		1.6 U	Bis(2-chloro-1-methylethyl) Ether *1	52438912	1.5	62	0.5 - 1	1.5 U	Heptachlor	76448	6.0	-	0.025 - 0.05	6.0 U																										
Bromoform	75252	0.72	-	1 - 2	0.72 U	Isopropylbenzene	98828	2.9	-		2.9 U	2,4,6-Trichlorophenol	88062	2.7	62	2 - 4	2.7 U	Bis(2-ethylhexyl) Phthalate	117817	1.4	62	0.3 - 1	17 J Aldrin	309002	12	-	0.025 - 0.05	12 U																											
Bromomethane	74839	0.72	-	5 - 10	0.72 U	4-Isopropyltoluene	99876	2.9	-		2.9 U	2,4-Dichlorophenol	120832	1.5	62	0.5 - 1	1.5 U	Butyl Benzyl Phthalate	85687	2.9	62	0.3 - 0.6	2.9 U	Heptachlor Epoxide	1024573	12	-	0.025 - 0.05	12 U																										
2-Butanone (MEK)	78933	29	-		29 U	4-Methyl-2-pentanone (MIBK)	108101	29	-		29 U	2,4-Dimethylphenol	105679	6.9	62	0.5 - 1	6.9 U	Chrysene	218019	2.7	62	0.3 - 0.6	2.7 U	gamma-Chlordane†	5566347	44	-		44 U																										
n-Butylbenzene	104518	2.9	-		2.9 U	Methylene Chloride	75092	2.9	-	5 - 10	2.9 U	2,4-Dinitrophenol	51285	27	380	1.5 - 3	27 U	Dibenz(a,h)anthracene	53703	2.7	62	0.8 - 1.6	2.7 U	Endosulfan I	959988	6.0	-	0.025 - 0.05	6.0 U																										
sec-Butylbenzene	135988	2.9	-		2.9 U	Naphthalene	91203	2.9	-	0.4 - 0.75	2.9 U	2,4-Dinitrotoluene	121142	2.9	62	1 - 2	2.9 U	Dibenzofuran	132649	1.9	62		1.9 U	alpha-Chlordane	5103719	6.0	-		6.0 U																										
tert-Butylbenzene	98066	2.9	-		2.9 U	n-Propylbenzene	103651	2.9	-		2.9 U	2,6-Dinitrotoluene	606202	1.4	62	1 - 2	1.4 U	Diethyl Phthalate	84662	1.5	62	1.9 - 7.6	1.5 U	Dieldrin	60571	6.0	-	0.025 - 0.05	6.0 U																										
Carbon Disulfide	75150	0.72	-		0.72 U	Styrene	100425	0.72	-		0.72 U	2-Chloronaphthalene	91587	1.9	62	0.3 - 0.6	1.9 U	Dimethyl Phthalate	131113	1.5	62	1.6 - 6.4	1.5 U	4,4'-DDE	72559	6.0	-	0.025 - 0.05	6.0 U																										
Carbon Tetrachloride	56235	0.72	-	1 - 2	0.72 U	1,1,1,2-Tetrachloroethane	630206	0.72	-		0.72 U	2-Chlorophenol	95578	1.7	62	1 - 2	1.7 U	Di-n-butyl Phthalate	84742	2.9	62	0.5 - 1	2.9 U	Endrin	72208	6.0	-	0.025 - 0.05	6.0 U																										
Chlorobenzene	108907	0.72	-	1 - 2	0.72 U	1,1,2,2-Tetrachloroethane	79345	0.72	-	1.9 - 2	0.72 U	2-Methyl-4,6-dinitrophenol	534521	6.1	380	-	6.1 U	Di-n-octyl Phthalate	117840	1.9	62	0.3 - 0.6	1.9 U	Endosulfan II	33213659	46	-	0.025 - 0.05	46 U																										
Chloroethane	75003	0.72	-	1 - 2	0.72 U	Tetrachloroethene (PCE)	127184	0.72	-	1 - 2	0.72 U	2-Methylnaphthalene	91576	2.1	62		2.1 U	Fluoranthene	206440	2.3	62	0.3 - 0.6	2.3 U	4,4'-DDD	72548	12	-	0.025 - 0.05	12 U																										
Chloroform	67663	0.72	-	1 - 2	0.72 U	Toluene	108883	0.72	-	1 - 2	0.72 U	2-Methylphenol	95487	2.9	62		2.9 U	Fluorene	86737	2.5	62	0.3 - 0.6	2.5 U	Endrin Aldehyde	7421934	12	-	0.025 - 0.05	12 U																										
Chloromethane	74873	1.1	-	1 - 2	1.1 U	1,2,3-Trichlorobenzene	87616	2.9	-		2.9 U	2-Nitroaniline	88744	8.0	62		8.0 U	Hexachlorobenzene	118741	3.1	62	0.3 - 0.6	3.1 U	Endosulfan Sulfate	1031078	12	-	0.025 - 0.05	12 U																										
2-Chlorotoluene	95498	2.9	-		2.9 U	1,2,4-Trichlorobenzene	120821	2.9	-	0.3 - 0.6	2.9 U	2-Nitrophenol	88755	2.7	62	0.5 - 1	2.7 U	Hexachlorobutadiene	87683	2.1	62	0.5 - 1	2.1 U	4,4'-DDT	50293	12	-	0.025 - 0.05	12 U																										
4-Chlorotoluene	106434	2.9	-		2.9 U	1,1,2-Trichloroethane	79005	0.72	-	1 - 2	0.72 U	3,3'-Dichlorobenzidine	91941	5.2	62	2 - 14	5.2 U	Hexachlorocyclopentadiene	77474	4.6	62	2 - 4	4.6 U	Endrin Ketone	53494705	6.0	-		6.0 U																										
1,2-Dibromo-3-chloropropane	96128	2.9	-		2.9 U	1,1,1-Trichloroethane (TCA)	71556	0.72	-	1 - 2	0.72 U	3-Nitroaniline	99092	1.5	62		1.5 U	Hexachloroethane	67721	1.5	62	0.5 - 1	1.5 U	Methoxychlor	72435	100	-		100 U																										
Dibromochloromethane	124481	0.72	-	1 - 2	0.72 U	Trichloroethene (TCE)	79016	0.72	-	1 - 2	0.72 U	4-Bromophenyl Phenyl Ether	101553	2.5	62	0.3 - 0.5	2.5 U	Indeno(1,2,3-cd)pyrene	193395	2.1	62	0.5 - 1	2.1 U	Toxaphene	8001352	600	-	0.24 - 0.5	600 U																										
1,2-Dibromoethane (EDB)	106934	2.9	-		2.9 U	Trichlorofluoromethane (CFC 11)	75694	0.72	-		0.72 U	4-Chloro-3-methylphenol	59507	1.7	62	-	1.7 U	Isophorone	78591	2.1	62	0.5 - 1	2.1 U	POLYCHLORINATED BIPHENYLS (PCBs)																															
Dibromomethane	74953	0.72	-		0.72 U	1,2,3-Trichloropropane	96184	0.72	-		0.72 U	4-Chloroaniline	106478	1.4	62		1.4 U	Naphthalene	91203	2.1	62	0.4 - 0.75	2.1 U																																
1,2-Dichlorobenzene	95501	0.72	-	1.9 - 736	0.72 U	1,2,4-Trimethybenzene	95636	2.9	-		2.9 U	4-Chlorophenyl Phenyl Ether	7005723	1.7	62	0.3 - 0.5	1.7 U	Nitrobenzene	98953	2.1	62	0.5 - 1	2.1 U																																
1,3-Dichlorobenzene	541731	0.72	-	1.9 - 7.6	0.72 U	1,3,5-Trimethybenzene	108678	2.9	-		2.9 U	4-Methylphenol †	106445	1.9	62		1.9 U	N-Nitrosodimethylamine	62759	57	380	1 - 2	57 U	Method EPA 3541 8082A	SAMPLE DATE 8/22/24																														
1,4-Dichlorobenzene	106467	0.72	-	4.4 - 17.6	0.72 U	Vinyl Chloride	75014	0.72	-	1 - 2	0.72 U	4-Nitroaniline	100016	1.9	380		1.9 U	N-Nitrosodi-n-propylamine	621647	2.1	62	0.5 - 1	2.1 U	ANALYTE																															
Dichlorodifluoromethane	75718	0.72	-		0.72 U	o-Xylene	95476	0.72	-		0.72 U	4-Nitrophenol	100027	9.3	380	1 - 2	9.3 U	N-Nitrosodiphenylamine	86306	1.5	62	1 - 2	1.5 U																																
1,1-Dichloroethane	75343	0.72	-	1 - 2	0.72 U	m,p-Xylenes	179601231	0.72	-		0.72 U	Acenaphthene	83329	1.8	62	0.2 - 0.4	1.8 U	Pentachlorophenol	87865	12	380	0.5 - 1	12 U	Aroclor-1016	12674112	31	-	0.05 - 0.2	31 U																										
1,2-Dichloroethane (EDC)	107062	0.72	-	1 - 2	0.72 U				-			Acenaphthylene	208968	1.4	62	0.3 - 0.6	1.4 U	Phenanthrene	85018	2.1	62	0.3 - 0.6	2.1 U	Aroclor-1221	11104282	31	-	0.05 - 0.2	31 U																										
1,1-Dichloroethene	75354	0.72	-	1 - 2	0.72 U				-			Aniline	62533	2.3	190		2.3 U	Phenol	108952	3.6	62	2 - 4	3.6 U	Aroclor-1232	11141165	31	-	0.05 - 0.2	31 U																										
cis-1,2-Dichloroethene	156592	0.72	-		0.72 U				-			Anthracene	120127	1.7	62	0.3 - 0.6	1.7 U	Pyrene	129000	1.9	62	0.3 - 0.6	1.9 U	Aroclor-1242	53469219	31	-	0.05 - 0.2	31 U																										
trans-1,2-Dichloroethene	156605	0.72	-	1 - 2	0.72 U				-			Benz(a)anthracene	56553	1.8	62	0.3 - 0.6	1.8 U							Aroclor-1248	12672296	31	-	0.05 - 0.2	31 U																										
1,2-Dichloropropane	78875	0.72	-	1 - 2	0.72 U				-			Benzo(a)pyrene	50328	3.1	62	0.5 - 1	3.1 U							Aroclor-1254	11097691	31	-	0.05 - 0.2	31 U																										
1,3-Dichloropropane	142289	0.72	-		0.72 U				-			Benzo(g,h,i)perylene	191242	2.1	62	0.5 - 1	2.1 U							Aroclor-1260	11096825	31	-	0.05 - 0.2	31 U																										
2,2 Dichloropropane	594207	0.72	-		0.72 U				-			Benzo(b)fluoranthene	205992	2.3	62	0.8 - 1.6	2.3 U																																						
1,1-Dichloropropene	563586	0.72	-		0.72 U				-			Benzo(k)fluoranthene	207089	2.7	62	0.8 - 1.6	2.7 U																																						

Analyses performed by ALS Environmental (formerly Columbia Analytical, Inc.), Kelso, WA

† – These compounds are unstable under normal conditions. As per EPA Method 624 guideline, the reported values are estimates.

B – The analyte was found in the associated method blank at a level that is signifant relative to the sample result as defined by the DOD or NELAC standards

D – The reported result is from a dilution.

J – The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

N – The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.

P – The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).

U – The compound was analyzed for, but not detected ("Non-detect") at or above the MRL/MDL.

i – The MRL/MDL has been elevated due to a matrix interference.

DL – Detection level

† – This analyte cannot be separated from 3-Methylphenol.

*1 - Previously reported as: Bis(2-chloroisopropyl) ether

MARTIN WAY RECLAIMED WATER PLANT

PRIMARY INFLUENT

2024

TABLE II, 40 CFR Part 122, ORGANICS, PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS						SEMI-VOLATILE ORGANIC COMPOUNDS												ORGANOCHLORINE PESTICIDES					
METHOD EPA 624	SAMPLE DATE					METHOD EPA 625	SAMPLE DATE					METHOD EPA 625	SAMPLE DATE					METHOD EPA 3520C/608	SAMPLE DATE				
	08/22/24						08/22/24						08/22/24						08/22/24				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L	ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L	ANALYTE	CAS	DL	QL	RDL-RQL	ug/L	ANALYTE	CAS	DL	QL	RDL-RQL	ng/L
Chloromethane	74873	0.60	0.50	1.0 - 2.0	0.24 J	1,2,4-Trichlorobenzene	120821	0.033	0.80	1.9 - 5.7	0.033 U	Bis(2-ethylhexyl) Phthalate	117817	5.8	8.0	2.5 - 7.5	6.7 J	alpha-BHC	319846	3.6	9.4	3.0 - 9.0	3.6 U
Vinyl Chloride	75014	0.090	0.50	1.0 - 2.0	0.09 U	2,4,6-Trichlorophenol	88062	0.30	0.80	2.7 - 8.1	0.30 U	Butyl Benzyl Phthalate	85687	7.8	8.0	2.5 - 7.5	7.8 U	beta-BHC	319857	42	42	6.0 - 18	42 U
Bromomethane	74839	0.090	0.50	5.0 - 10.0	0.090 U	2,4-Dichlorophenol	120832	1.1	8.0	2.7 - 8.1	1.1 U	Chrysene	218019	0.79	8.0	2.5 - 7.5	0.79 U	gamma-BHC (Lindane)	58899	0.67	9.4	4.0 - 12	0.67 U
Chloroethane	75003	0.10	0.50	1.0 - 2.0	0.10 U	2,4-Dimethylphenol	105679	2.0	8.0	2.7 - 8.1	2.0 U	Dibenz(a,h)acridine*	226368	-	20	2.5 - 10.0	-	delta-BHC	319868	0.46	9.4	9.0 - 27	0.46 U
1,1-Dichloroethene	75354	0.080	0.50	2.8 - 8.4	0.080 U	2,4-Dinitrophenol	51285	18	40	42 - 126	18 U	Dibenz(a,h)anthracene	53703	0.15	0.8	2.5 - 7.5	0.15 U	Heptachlor	76448	5.1	9.4	3.0 - 9.0	5.1 U
Methylene Chloride	75092	0.30	0.50	2.8 - 8.4	0.30 U	2,4-Dinitrotoluene	121142	1.9	8.0	5.7 - 17.1	1.9 U	Dibenz(a,j)acridine*	224420	-	20	2.5 - 10.0	-	Aldrin	309002	0.49	9.4	4.0 - 12	0.49 U
trans-1,2-Dichloroethene	156605	0.070	0.50	1.6 - 4.8	0.070 U	2,6-Dinitrotoluene	606202	1.7	8.0	1.9 - 5.7	1.7 U	Dibenzo(a,e)pyrene*	192654	-	20	2.5 - 10.0	-	Heptachlor Epoxide	1024573	2.2	9.4	83 - 249	2.2 U
1,1-Dichloroethane	75343	0.070	0.50	1.0 - 2.0	0.070 U	2-Chloronaphthalene	91587	0.38	8.0	1.9 - 5.7	0.38 U	Dibenzo(a,h)pyrene*	189640	-	20	2.5 - 10.0	-	Endosulfan I	959988	3.2	9.4	14 - 42	0.0082 JP
Chloroform	67663	0.070	0.50	1.6 - 4.8	1.3	2-Chlorophenol	95578	0.57	8.0	3.3 - 9.9	0.57 U	Dibenzo(a,i)pyrene*	189559	-	20	1.3 - 5.0	-	Dieldrin	60571	0.52	9.4	2.0 - 6.0	0.52 U
1,1,1-Trichloroethane (TCA)	71556	0.070	0.50	3.8 - 11.4	0.070 U	2-Methyl-4,6-dinitrophenol	534521	17	20	24 - 72	17 U	Diethyl Phthalate	84662	0.65	8.0	1.9 - 5.7	0.72 BJ	4,4'-DDE	72559	0.74	9.4	4.0 - 12	0.74 U
Carbon Tetrachloride	56235	0.20	0.50	2.8 - 8.4	0.20 U	2-Nitrophenol	88755	0.86	8.0	3.6 - 10.8	0.86 U	Dimethyl Phthalate	131113	0.68	8.0	1.6 - 4.8	0.68 U	Endrin	72208	0.53	9.4	6.0 - 18	0.53 U
Benzene	71432	0.060	0.50	4.4 - 13.2	0.060 U	3,3'-Dichlorobenzidine	91941	0.89	20	16.5 - 49.5	0.89 U	Di-n-butyl Phthalate	84742	7.3	8.0	2.5 - 7.5	7.3 U	Endosulfan II	33213659	0.88	9.4	4.0 - 12	0.88 U
1,2-Dichloroethane (EDC)	107062	0.060	0.50	2.8 - 8.4	0.060 U	3-Methylcholanthrene*	56495	-	20	2.0 - 8.0	-	Di-n-octyl Phthalate	117840	1.4	8.0	2.5 - 7.5	1.4 U	4,4'-DDD	72548	0.50	9.4	11 - 33	0.50 U
Trichloroethene (TCE)	79016	0.080	0.50	1.9 - 5.7	0.080 U	4-Bromophenyl Phenyl Ether	101553	0.56	8.0	1.9 - 5.7	0.56 U	Fluoranthene	206440	0.69	8.0	2.2 - 6.6	0.69 U	Endrin Aldehyde	7421934	5.1	9.4	23 - 70	5.1 U
1,2-Dichloropropane	78875	0.070	0.50	6.0 - 18.0	0.070 U	4-Chloro-3-methylphenol	59507	1.8	8.0	3.0 - 9.0	1.8 U	Fluorene	86737	0.35	8.0	1.9 - 5.7	0.35 U	Endosulfan Sulfate	1031078	0.36	9.4	66 - 198	0.36 U
Bromodichloromethane	75274	0.20	0.50	2.2 - 6.6	0.20 U	4-Chlorophenyl Phenyl Ether	7005723	0.51	8.0	4.2 - 12.6	0.51 U	Hexachlorobenzene	118741	0.41	8.0	1.9 - 5.7	0.41 U	4,4'-DDT	50293	0.77	9.4	12 - 36	0.77 U
2-Chloroethyl Vinyl Ether	110758	0.20	1.0	1.0 - 2.0	0.20 U	4-Nitrophenol	100027	1.8	2.0	2.4 - 7.2	1.8 U	Hexachlorobutadiene	87683	2.1	8.0	0.9 - 2.7	2.1 U	Toxaphene	8001352	56	470.0	0.24 - 0.5	56 U
Trans-1,3-Dichloropropene	10061026	0.090	0.50	1.0 - 2.0	0.090 U	Acenaphthene	83329	0.38	8.0	1.9 - 5.7	0.4 U	Hexachlorocyclopentadiene	77474	11	40	2.0 - 4.0	11 U	Chlordane	57749	29	190.0	14 - 42	29 U
Toluene	108883	0.070	0.50	6.0 - 18.0	5.0	Acenaphthylene	208968	0.52	8.0	3.5 - 10.5	0.5 U	Hexachloroethane	67721	2.1	8.0	1.6 - 4.8	2.1 U						
cis-1,3-Dichloropropene	542756	0.090	0.50	5.0 - 15.0	0.090 U	Anthracene	120127	1.2	8.0	1.9 - 5.7	1.2 U	Indeno(1,2,3-cd)pyrene	193395	2.0	8.0	3.7 - 11.1	2.0 U						
1,1,2-Trichloroethane	79005	0.060	0.50	5.0 - 15.0	0.060 U	Azobenzene†	122667	0.82	8.0	5.0 - 20	0.82 U	Isophorone	78591	1.7	8.0	2.2 - 6.6	1.7 U	POLYCHLORINATED BIPHENYLS (PCBs)					
Tetrachloroethene (PCE)	127184	0.050	0.50	4.1 - 12.3	0.05 U	Benz(a)anthracene	56553	0.6	8.0	7.8 - 23.4	0.6 U	Naphthalene	91203	0.39	8.0	1.6 - 4.8	0.39 U	METHOD EPA 3520C/608	SAMPLE DATE				
Dibromochloromethane	124481	0.20	0.50	3.1 - 9.3	0.20 U	Benzidine	92875	19	20	44 - 132	19 U	Nitrobenzene	98953	1.4	8.0	1.9 - 5.7	1.4 U		08/22/24				
Chlorobenzene	108907	0.050	0.50	6.0 - 18.0	0.050 U	Benzo(a)pyrene	50328	0.64	8.0	2.5 - 7.5	0.64 U	N-Nitrosodimethylamine	62759	2.8	8.0	2.0 - 4.0	2.8 U	ANALYTE	CAS	DL	QL	RDL-RQL	ng/L
Ethylbenzene	100414	0.030	0.50	7.2 - 21.6	0.030 U	Benzo(g,h,i)perylene	191242	1.4	8.0	4.1 - 12.3	1.4 U	N-Nitrosodi-n-propylamine	621647	0.14	8.0	0.5 - 1.0	0.14 U	Aroclor-1016	12674112	19	0.019	0.065 - 0.195	19 U
Bromoform	75252	0.40	0.50	4.7 - 14.1	0.40 U	Bis(2-chloroethoxy)methane	111911	0.52	8.0	5.3 - 15.9	0.52 U	N-Nitrosodiphenylamine	86306	0.082	0.80	1.0 - 2.0	0.082 U	Aroclor-1221	11104282	19	0.019	0.065 - 0.195	19 U
1,1,2,2-Tetrachloroethane	79345	0.080	0.50	6.9 - 20.7	0.080 U	Bis(2-chloroethyl) Ether	111444	0.66	8.0	5.7 - 17.1	0.66 U	Pentachlorophenol (PCP)	87865	0.49	2.0	3.6 - 10.8	0.49 U	Aroclor-1232	11141165	19	0.019	0.065 - 0.195	19 U
1,3-Dichlorobenzene	541731	0.060	0.50	1.9 - 7.6	0.060 U	Bis(2-Chloro-1-Methylethyl) Ether *1	108601	0.046	0.80	5.7 - 17.1	0.046 U	Perylene*	198550	-	0.80	1.9 - 7.6	-	Aroclor-1242	53469219	19	0.019	0.065 - 0.195	19 U
1,4-Dichlorobenzene	106467	0.090	0.50	4.4 - 17.6	0.43 J	Benzo(b)fluoranthene	205992	0.55	8.0	0.8 - 1.6	0.55 U	Phenanthrene	85018	0.034	0.80	5.4 - 16.2	0.034 U	Aroclor-1248	12672296	19	0.019	0.065 - 0.195	19 U
1,2-Dichlorobenzene	95501	0.060	0.50	1.9 - 7.6	0.060 U	Benzo(k)fluoranthene	207089	0.80	8.0	0.8 - 1.6	0.80 U	Phenol	108952	0.022	0.80	1.5 - 4.5	17	Aroclor-1254	11097691	19	0.019	0.065 - 0.195	19 U
Acrolein†	107028	2.0	5.0	5 - 10	2.0 U							Pyrene	129000	0.09	0.80	1.9 - 5.7	0.09 U	Aroclor-1260	11096825	19	0.019	0.065 - 0.195	19 U
Acrylonitrile†	107131	0.20	0.50	1.0 - 2.0	0.20 U							† – 1,2-Diphenylhydrazine is reported as Azobenzene											

Analyses performed by ALS Environmental (formerly Columbia Analytical, Inc.), Kelso, WA

† – These compounds are unstable under normal conditions. As per EPA Method 624 guideline, the reported values are estimates.

B – The analyte was found in the associated method blank at a level that is signifigant relative to the sample result as defined by the DOD or NELAC standards.

D – The reported result is from a dilution.

J – The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

N – The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.

P – The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).

U – The compound was analyzed for, but not detected ("Non-detect") at or above the MRL/MDL.

i – The MRL/MDL has been elevated due to a matrix interference.

* - This compound is searched for as a tentatively identified compound.

*1 - Previously reported as: Bis(2-chloroisopropyl) ether

MARTIN WAY RECLAIMED WATER PLANT

CLASS A WATER

2024

TABLE II, 40 CFR Part 122, ORGANICS, PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS						SEMI-VOLATILE ORGANIC COMPOUNDS											ORGANOCHLORINE PESTICIDES							
METHOD EPA 624	SAMPLE DATE					METHOD EPA 625	SAMPLE DATE					METHOD EPA 625	SAMPLE DATE					METHOD EPA 608	SAMPLE DATE					
	08/22/24						08/22/24						08/22/24						08/22/24					
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L	ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L	ANALYTE	CAS	DL	QL	RDL-RQL	ug/L	ANALYTE	CAS	DL	QL	RDL-RQL	ng/L	
Chloromethane	74873	0.060	0.50	1.0 - 2.0	0.060 U	1,2,4-Trichlorobenzene	120821	0.033	0.80	1.9 - 5.7	0.033 U	Bis(2-ethylhexyl) Phthalate	117817	0.58	0.80	2.5 - 7.5	0.58 U	alpha-BHC	319846	0.51	9.4	3.0 - 9.0	6.3 J	
Vinyl Chloride	75014	0.090	0.50	1.0 - 2.0	0.090 U	2,4,6-Trichlorophenol	88062	0.30	0.80	2.7 - 8.1	0.30 U	Butyl Benzyl Phthalate	85687	0.78	0.80	2.5 - 7.5	0.78 U	beta-BHC	319857	42	42	6.0 - 18	42 U	
Bromomethane	74839	0.090	0.50	5.0 - 10.0	0.090 U	2,4-Dichlorophenol	120832	0.11	0.80	2.7 - 8.1	0.11 U	Chrysene	218019	0.079	0.80	2.5 - 7.5	0.079 U	gamma-BHC (Lindane)	58899	0.67	9.4	4.0 - 12	0.67 U	
Chloroethane	75003	0.10	0.50	1.0 - 2.0	0.10 U	2,4-Dimethylphenol	105679	0.20	0.80	2.7 - 8.1	0.20 U	Dibenz(a,h)acridine*	226368	-	2.0	2.5 - 10.0	2.0 U	delta-BHC	319868	0.46	9.4	9.0 - 27	0.46 U	
1,1-Dichloroethene	75354	0.080	0.50	2.8 - 8.4	0.080 U	2,4-Dinitrophenol	51285	1.8	4.0	42 - 126	1.8 U	Dibenz(a,h)anthracene	53703	0.15	0.80	2.5 - 7.5	0.15 U	Heptachlor	76448	0.51	9.4	3.0 - 9.0	0.51 U	
Methylene Chloride	75092	0.30	0.50	2.8 - 8.4	0.30 U	2,4-Dinitrotoluene	121142	0.19	0.8	5.7 - 17.1	0.19 U	Dibenz(a,j)acridine*	224420	-	2.0	2.5 - 10.0	2.0 U	Aldrin	309002	0.49	9.4	4.0 - 12	0.49 U	
trans-1,2-Dichloroethene	156605	0.070	0.50	1.6 - 4.8	0.070 U	2,6-Dinitrotoluene	606202	0.17	0.80	1.9 - 5.7	0.17 U	Dibenzo(a,e)pyrene*	192654	-	2.0	2.5 - 10.0	2.0 U	Heptachlor Epoxide	1024573	2.2	9.4	83 - 249	2.2 U	
1,1-Dichloroethane	75343	0.070	0.50	1.0 - 2.0	0.07 U	2-Chloronaphthalene	91587	0.038	0.80	1.9 - 5.7	0.038 U	Dibenzo(a,h)pyrene*	189640	-	2.0	2.5 - 10.0	2.0 U	Endosulfan I	959988	3.2	9.4	14 - 42	3.2 U	
Chloroform	67663	0.070	0.50	1.6 - 4.8	2.24	2-Chlorophenol	95578	0.057	0.80	3.3 - 9.9	0.057 U	Dibenzo(a,i)pyrene*	189559	-	2.0	1.3 - 5.0	2.0 U	Dieldrin	60571	0.52	9.4	2.0 - 6.0	0.52 U	
1,1,1-Trichloroethane (TCA)	71556	0.070	0.50	3.8 - 11.4	0.07 U	2-Methyl-4,6-dinitrophenol	534521	1.7	2.0	24 - 72	1.7 U	Diethyl Phthalate	84662	0.065	0.80	1.9 - 5.7	0.065 U	4,4'-DDE	72559	0.74	9.4	4.0 - 12	0.74 U	
Carbon Tetrachloride	56235	0.20	0.50	2.8 - 8.4	0.20 U	2-Nitrophenol	88755	0.086	0.80	3.6 - 10.8	0.086 U	Dimethyl Phthalate	131113	0.068	0.80	1.6 - 4.8	0.068 U	Endrin	72208	0.5	9.4	6.0 - 18	0.5 U	
Benzene	71432	0.060	0.50	4.4 - 13.2	0.060 U	3,3'-Dichlorobenzidine	91941	0.089	2.0	16.5 - 49.5	0.089 U	Di-n-butyl Phthalate	84742	0.73	0.80	2.5 - 7.5	0.7 U	Endosulfan II	33213659	0.88	9.4	4.0 - 12	0.88 U	
1,2-Dichloroethane (EDC)	107062	0.060	0.50	2.8 - 8.4	0.060 U	3-Methylcholanthrene*	56495	-	2.0	2.0 - 8.0	-	Di-n-octyl Phthalate	117840	0.14	0.80	2.5 - 7.5	0.14 U	4,4'-DDD	72548	0.50	9.4	11 - 33	0.50 U	
Trichloroethene (TCE)	79016	0.080	0.50	1.9 - 5.7	0.080 U	4-Bromophenyl Phenyl Ether	101553	0.056	0.80	1.9 - 5.7	0.06 U	Fluoranthene	206440	0.069	0.80	2.2 - 6.6	0.069 U	Endrin Aldehyde	7421934	5.1	9.4	23 - 70	5.1 U	
1,2-Dichloropropane	78875	0.070	0.50	6.0 - 18.0	0.070 U	4-Chloro-3-methylphenol	59507	0.18	0.80	3.0 - 9.0	0.18 U	Fluorene	86737	0.04	0.80	1.9 - 5.7	0.035 U	Endosulfan Sulfate	1031078	0.36	9.4	66 - 198	0.36 U	
Bromodichloromethane	75274	0.20	0.50	2.2 - 6.6	2.9	4-Chlorophenyl Phenyl Ether	7005723	0.051	0.80	4.2 - 12.6	0.051 U	Hexachlorobenzene	118741	0.041	0.80	1.9 - 5.7	0.041 U	4,4'-DDT	50293	0.77	9.4	12 - 36	0.77 U	
2-Chloroethyl Vinyl Ether	110758	0.20	1.0	1.0 - 2.0	0.20 U	4-Nitrophenol	100027	1.8	2.0	2.4 - 7.2	1.8 U	Hexachlorobutadiene	87683	0.21	0.80	0.9 - 2.7	0.21 U	Toxaphene	8001352	56	470	0.24 - 0.5	56 U	
Trans-1,3-Dichloropropene	10061026	0.090	0.50	1.0 - 2.0	0.090 U	Acenaphthene	83329	0.0038	0.8	1.9 - 5.7	0.0038 U	Hexachlorocyclopentadiene	77474	1.1	4.0	2.0 - 4.0	1 U	Chlordane	57749	29	190	14 - 42	29 U	
Toluene	108883	0.070	0.50	6.0 - 18.0	0.070 U	Acenaphthylene	208968	0.052	0.80	3.5 - 10.5	0.052 U	Hexachloroethane	67721	0.21	0.80	1.6 - 4.8	0.2 U	POLYCHLORINATED BIPHENYLS (PCBs)						
cis-1,3-Dichloropropene	542756	0.090	0.50	5.0 - 15.0	0.090 U	Anthracene	120127	0.12	0.80	1.9 - 5.7	0.12 U	Indeno(1,2,3-cd)pyrene	193395	0.20	0.80	3.7 - 11.1	0.2 U							
1,1,2-Trichloroethane	79005	0.060	0.50	5.0 - 15.0	0.060 U	Azobenzene†	122667	0.082	0.80	5.0 - 20	0.08 U	Isophorone	78591	0.17	0.80	2.2 - 6.6	0.2 U							
Tetrachloroethene (PCE)	127184	0.050	0.50	4.1 - 12.3	0.050 U	Benz(a)anthracene	56553	0.060	0.80	7.8 - 23.4	0.060 U	Naphthalene	91203	0.04	0.80	1.6 - 4.8	0.04 U	METHOD EPA 3520C/608		SAMPLE DATE				
Dibromochloromethane	124481	0.20	0.50	3.1 - 9.3	0.28 J	Benizidine	92875	1.9	2.0	44 - 132	1.9 U	Nitrobenzene	98953	0.14	0.80	1.9 - 5.7	0.1 U			08/22/24				
Chlorobenzene	108907	0.050	0.50	6.0 - 18.0	0.050 U	Benzo(a)pyrene	50328	0.064	0.80	2.5 - 7.5	0.064 U	N-Nitrosodimethylamine	62759	0.28	0.80	2.0 - 4.0	0.3 U	ANALYTE		CAS	DL	QL	RDL-RQL	ug/L
Ethylbenzene	100414	0.030	0.50	7.2 - 21.6	0.030 U	Benzo(g,h,i)perylene	191242	0.14	0.80	4.1 - 12.3	0.14 U	N-Nitrosodi-n-propylamine	621647	0.14	0.80	0.5 - 1.0	0.1 U			Aroclor-1016	12674112	19	100	0.065 - 0.195
Bromoform	75252	0.40	0.50	4.7 - 14.1	0.40 U	Bis(2-chloroethoxy)methane	111911	0.052	0.80	5.3 - 15.9	0.052 U	N-Nitrosodiphenylamine	86306	0.082	0.80	1.0 - 2.0	0.08 U	Aroclor-1221	11104282	19	100	0.065 - 0.195	19 U	
1,1,2,2-Tetrachloroethane	79345	0.080	0.50	6.9 - 20.7	0.080 U	Bis(2-chloroethyl) Ether	111444	0.066	0.80	5.7 - 17.1	0.066 U	Pentachlorophenol	87865	0.49	2.0	3.6 - 10.8	0.5 U	Aroclor-1232	11141165	19	100	0.065 - 0.195	19 U	
1,3-Dichlorobenzene	541731	0.060	0.50	1.9 - 7.6	0.06 U	Bis(2-Chloro-1-Methylethyl) Ether *	108601	0.0046	0.80	5.7 - 17.1	0.0046 U	Perylene*	198550	-	0.80	1.9 - 7.6	-	Aroclor-1242	53469219	19	100	0.065 - 0.195	19 U	
1,4-Dichlorobenzene	106467	0.090	0.50	4.4 - 17.6	0.10 J	Benzo(b)fluoranthene	205992	0.055	0.80	0.8 - 1.6	0.055 U	Phenanthrene	85018	0.034	0.80	5.4 - 16.2	0.03 U	Aroclor-1248	12672296	19	100	0.065 - 0.195	19 U	
1,2-Dichlorobenzene	95501	0.060	0.50	1.9 - 7.6	0.060 U	Benzo(k)fluoranthene	207089	0.080	0.80	0.8 - 1.6	0.080 U	Phenol	108952	0.022	0.80	1.5 - 4.5	0.022 U	Aroclor-1254	11097691	24	100	0.065 - 0.195	24 U	
Acrolein†	107028	2.0	5.0	5 - 10	2.0 U							Pyrene	129000	0.09	0.80	1.9 - 5.7	0.09 U	Aroclor-1260	11096825	24	100	0.065 - 0.195	24 U	
Acrylonitrile†	107131	0.20	0.50	1.0 - 2.0	0.20 U							† – 1,2-Diphenylhydrazine is reported as Azobenzene												

Analyses performed by ALS Environmental (formerly Columbia Analytical, Inc.), Kelso, WA

† – These compounds are unstable under normal conditions. As per EPA Method 624 guideline, the reported values are estimates.

B – THe analyte was found in the associated method blank at a level that is signifigant relative to the sample result as defined by the DOD or NELAC standards

D – The reported result is from a dilution.

J – The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

N – The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.

P – The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).

U – The compound was analyzed for, but not detected ("Non-detect") at or above the MRL/MDL.

i – The MRL/MDL has been elevated due to a matrix interference.

DL – Detection level

QL – Quantitation Level

RDL – Regulatory Detection Level

RQL – Regulatory Quantitiation Level

* - This compound is searched for as a tentatively identified compound.

*1 - Previously reported as: Bis(2-chloroisopropyl) ether

LOCAL LIMIT EVALUATION

Total (ATF): 12.20 MGD				Domestic (ADF): 7.31 MGD				Comm/Industrial (AIF): 2.52 MGD				I&I (AIIF) ⁴ : 2.37 MGD			
PARAMETER	LOCAL	INFLUENT LIMIT		Average Concentrations (mg/l)			LL Calc ⁵	Calculated Data							
	LIMIT	(lbs/day)		Influent ¹	Domestic ²	I & I ³	MAHL (lbs)	CHL	CDL	CIL	MIL	%LL	RC	MAHL	%RC
	(mg/l)	CALC.	ACTUAL	(C)	(D)	(E)	(F)	(G) ⁶	(H) ⁶	(I)	(J)	(K)	(L)	(M)	(N)
Arsenic	0.2	20.35	0.17	0.00163	0.000970	0.00186	36.7	0.17	0.059	0.069	4.86	1.43	36.53	36.64	99.71
Cadmium	0.2	20.35	0.014	0.00014	0.000159	0.00024	36.7	0.014	0.010	-0.0005	4.86	-0.011	36.68	36.69	99.99
Chromium	1.0	101.76	0.15	0.00143	0.00127	0.00227	183	0.15	0.077	0.023	24.30	0.09	183.33	183.40	99.96
Copper	0.5	50.88	5.10	0.05009	0.0861	0.06394	91.7	5.10	5.25	-1.42	12.15	-11.68	86.64	86.49	100.18
Lead	0.4	40.70	0.16	0.00157	0.00107	0.00298	73.4	0.16	0.065	0.035	9.72	0.36	73.23	73.33	99.87
Mercury	0.05	5.09	0.0031	0.00003	0.000026	0.00009	9.17	0.0031	0.0016	-0.0001	1.22	-0.01	9.17	9.17	99.98
Nickel	0.5	50.88	0.29	0.00281	0.00191	0.00250	91.7	0.29	0.12	0.120	12.15	0.99	91.45	91.62	99.82
Silver	0.2	20.35	0.027	0.00027	0.000131	0.00061	36.7	0.027	0.0080	0.007	4.86	0.14	36.67	36.69	99.95
Zinc	1.0	101.76	11.80	0.11598	0.127	0.11394	183	11.8	7.72	1.83	24.30	7.52	171.68	175.76	97.68

¹ Influent metals are sampled and analyzed monthly.

² Domestic concentrations from 2011 sampling results.

³ When lowest loading occurred during low-flow months (June-October), (AVERAGE LOADING - LOWEST LOADING) / AVERAGE INFLOW & INFILTRATION FLOW / 8.34; otherwise, zero.

⁴ AIIF – Average Inflow & Infiltration Flow 2.37 MGD TOTAL ANNUAL FLOW – (LOWEST AVERAGE DAILY FLOW X 365) / 365

⁵ Based on 22.00 MGD

⁶ ATF – Average total flow 12.20 MGD

INDUSTRIAL SURVEY

The following tables are LOTT's current industrial survey.

INDUSTRIAL USER SURVEY SIGNIFICANT INDUSTRIAL USERS						
Name of Industrial User	Permit Number	Federal Category (40 CFR Part)	SIC Code	Inspected? (Y/N)	Permitted? (Y/N)	Comments
A&R Aviation	TU-014	433	4581	Y	Y	Metal finishing.
Crown Cork & Seal Co. Inc.	OL-002	465 Subpart D	3411	Y	Y	Coil coating.
Pepsi Northwest Beverages, LLC	TU-006	Not categorical	2086	Y	Y	Process wastewater flows over 25,000 gpd.
Thurston County Waste and Recovery Center	LA-004	Not categorical	4953	Y	Y	Process wastewater flows over 25,000 gpd.

INDUSTRIAL USER SURVEY NON-SIGNIFICANT CATEGORICAL INDUSTRIAL USERS						
Name of Industrial User	Permit Number	Federal Category (40 CFR Part)	SIC Code	Inspected? (Y/N)	Permitted? (Y/N)	Comments
American Benchmark Machine Works	TU-0013	433	3841	Y	Y	Zero discharge metal finishing.
Earth Friendly Products	LA-015	417 Subpart P	2841	Y	Y	Zero discharge detergent manufacturing.
J. R. Setina Mfg. Co., Inc.	OL-007	433	3499	Y	Y	Zero discharge metal finishing.
Winsor Fireform, LLC	OL-009	466 Subpart A	3993	Y	Y	Zero discharge porcelain enameling.

INDUSTRIAL USER SURVEY MINOR INDUSTRIAL USERS					
Name of Industry	Permit Number	SIC Code	Inspected Y/N	Permitted Y/N	Comments
Alaffia		2841	Y	N	Soap manufacturer. Inspected in 2015 and 2016.
Amcor Rigid Plastics		3085	Y	N	Manufacturer of polyethylene terephthalate (PET) packaging. Inspected in 2011, and 2018.
Artizen Cannabis Company			Y	N	Cannabis producer/processor. Inspected in 2022.
Border States Electric			Y	N	Electrical supply warehouse. Inspected in 2024
Capital Campus Powerhouse and Heating Plant			Y	N	Operates large boilers for heating. Inspected in 2024.
Capital Machine			Y	N	Machine shop, and metal fabricator. Inspected in 2019.
Capital Medical Center		806202	Y	N	Hospital. Inspected in 2019.
Cardinal CG Company		3231	Y	N	Manufacturer of coated glass panels. Inspected in 2010, and 2019.
Carman Manufacturing		2515	N	N	Mattress manufacturer. Inspected in 2010.
C.T. Specialties		3603	Y	N	Powder coater. No core metal finishing processes are performed onsite. Inspected in 2021. Reclassified from SIU to MIU on October 28, 2021.
D G Parrott & Son		359903	Y	N	Machine shop, and metal fabricator. Inspected in 2019.
Dart Warehouse			Y	N	Distribution warehouse. Inspected in 2022.
Dart Container Corporation		3086	Y	N	Manufacturer of single-use poly-styrene foam beverage cups & bowls. Inspected in 2018.
Empire Packing		5147	Y	N	Meat packaging plant. Inspected in 2022.
Flair Packaging			Y	N	Plastic container manufacturer. Inspected in 2022.

INDUSTRIAL USER SURVEY MINOR INDUSTRIAL USERS					
Name of Industry	Permit Number	SIC Code	Inspected Y/N	Permitted Y/N	Comments
Forever Powder Coating			Y	N	Powder coater. No core metal finishing is performed onsite. Inspected in 2018.
Four Star Accessory Overhaul		3724	Y	N	Aircraft engine repair shop. Inspected in 2012, and 2019.
Georgia-Pacific Corrugated LLC	OL-001	2653	Y	Y	Corrugated cardboard container manufacturer.
Girard Wood Products			Y	N	Wood pallet recycler. Inspected in 2022.
Glacken Fabrication			Y	N	Machine shop, and metal fabricator. Inspected in 2024.
Harmony Farms			Y	N	Cannabis producer/processor. Inspected in 2021.
H2O Jet, Inc.			Y	N	Pump distributor. Inspected in 2019.
Hauled Wastewater			N/A	Y	STEP system haulers; portable toilet waste haulers, carpet cleaners, greywater dischargers, and mobile food units.
Hella Loud			Y	N	Cannabis producer/processor. Inspected in 2022.
Heritage Distillery			Y	N	Alcoholic beverage blending.
Home Depot by DHL			Y	N	Distribution warehouse. Inspected in 2022.
Home Depot #5650 Distribution Center			Y	N	Distribution warehouse. Inspected in 2022.
Hummingbird Precision Machine Co.			Y	N	Machine shop, and metal fabricator. Inspected in 2022.
Ilk Beer			Y	N	Microbrewery - Inspected in 2023.
International Paper Company	LA-003	2653	Y	Y	Corrugated cardboard container manufacturer.

INDUSTRIAL USER SURVEY MINOR INDUSTRIAL USERS					
Name of Industry	Permit Number	SIC Code	Inspected Y/N	Permitted Y/N	Comments
I.P. Callison & Sons IPC		2899	Y	N	Mint oils, flavors, & mint-related ingredients supplier. Inspected in 2010.
Intercity Transit			Y	N	Bus fleet maintenance and washing. Inspected in 2019, and 2023.
Kaiser Permanente Olympia Medical Center		806201	Y	N	Medical center. Inspected in 2019.
Kloeckner Metals Corp			Y	N	Metal milling, and laser cutting. Inspected in 2019
Magic Kombucha			Y	N	Kombucha manufacturer. Inspected in 2023.
Mission Glass LLC		523110	Y	N	Window assembly. Inspected in 2019
Mutual Materials Co			Y	N	Concrete paver manufacturer. Inspected in 2019.
NW Welding and Fabrication			Y	N	Welding and metal fabricator. Inspected in 2019.
Olympia Regional Airport			Y	N	Regional Airport. Inspected in 2024.
Port of Olympia	MIU-OL-003	4491	Y	Y	Vehicle wash racks, stormwater treatment facility, decant facility. Renewed discharge permit in 2022.
Powerclean			N	N	Restaurant fume hood cleaning company.
PR Systems Inc.		1611	Y	N	Asphalt recycling company. Inspected in 2017.
Providence St. Peter's Hospital		8062	N	N	Hospital. Inspected in 2019.
Roy's Designs, Inc.		3499	Y	N	Powder coater. No core metal finishing processes are performed onsite. Inspected in 2023. Reclassified from NSCIU to MIU on October 24, 2023.
Signarama			N	N	Sign manufacturing company.

INDUSTRIAL USER SURVEY MINOR INDUSTRIAL USERS					
Name of Industry	Permit Number	SIC Code	Inspected Y/N	Permitted Y/N	Comments
Sherwood Forest Farms			Y	N	Christmas wreath manufacturer. Inspected in 2022.
Shoebox Spirits		2085	N	N	Distillery.
South Puget Sound Community College			Y	N	Food service, and dental school. Inspected in 2022.
Target Warehouse		1541	Y	N	Distribution warehouse, battery wash, and wash pad. Inspected in 2016, and 2019.
The Evergreen State Community College		8221	Y	N	State college campus. Inspected in 2016, and 2019.
Three Magnets Brewery		2083	N	N	Microbrewery and restaurant - surveyed in 2014.
Top Rung Brewery		2083	Y	N	Microbrewery - Inspected in 2015.
Tops Countertops			Y	N	Stone countertop manufacturer. Inspected in 2021, 2022, and 2024.
Tri-City Meats			Y	N	Meat packaging plant. Inspected in 2022.
Valvoline Instant Oil Change			Y	N	Automobile oil change facility. Inspected in 2022.
Washington State Department of Transportation			Y	N	Vehicle maintenance facility. Inspected in 2021.
Whole Foods Distribution Center		4222	Y	N	Warehouse distribution center for Whole Foods. Inspected in 2022. Issued discharge permit for spill prevention in 2023. Permit was cancelled in 2024 due to elimination of spill potential.
World Class Distribution Inc.		4222	Y		Warehouse distribution center for Trader Joe's. Inspected in 2024.
World Class Distribution Inc.		4222	Y	N	Warehouse distribution center for Trader Joe's. Inspected in 2018, and 2025.
Zeigler's Welding Inc.		508522	Y	N	Welding and metal fabricator. Inspected in 2019.

INDUSTRIAL USER SURVEY OTHER COMMERCIAL USERS		
Commercial User Type	Number	Comments
Brewed/fermented beverage production	18	Includes breweries, cideries, distilleries, and kombucha production.
Cannabis	22	
Cleaning services	32	Includes carpet cleaning companies, and custodial services.
Dental	125	Includes dental offices subject to dental amalgam rule, exempt facilities, and dental laboratories.
Food Service	797	Includes restaurants, grocery stores, hotels, schools, convalescent homes, and houses of worship.
Metal fabrication	33	Includes metal fabricators, powder coaters, and jewelers.
Laundry	23	Includes dry cleaners, and coin operated laundries.
Manufacturing	40	Includes paper, glass, food, beverage, soap, detergent, plastic, and stone countertops.
Medical	409	Includes; chiropractic, convalescent homes, dialysis centers, funeral services, general practitioners, hospitals, imaging/radiology centers, laboratories, massage therapists, pharmacies, physical therapists, phycologists, surgical centers, and veterinarians.
Pool	86	Includes pools at residential apartments and recreational centers.
Printing	43	Includes; screen printers, photo processing centers, and printing facilities.
Transportation	210	Includes; automotive service centers, fleet maintenance facilities, auto body repair, vehicle washing, and gas stations.
Warehouses	14	Includes retail, and industrial warehouses.

Each industry sector is first given an industrial user survey form to discover possible waste streams that may affect the POTW. LOTT uses the generic survey form created by the Department of Ecology to survey potential categorical and significant industrial users.

To survey minor industrial users, the generic survey form is revised to include industry specific questions. In order to know what questions to ask, EPA guidance documents are reviewed, and excerpts from other municipality's forms are used. We also use online communication with pretreatment professionals from around the country to get industry specific questions.

Information gained from the surveys is shared with our Partners and used to enhance our database. Industries that are found to have the potential to discharge harmful or dangerous wastes will receive BMPs and/or an inspection.

BMPs developed by the Department of Ecology and other municipalities are used as templates for LOTT's BMPs. If applicable, the information from surveys and inspections is used to tailor the BMP to the industry. BMPs used by LOTT are provided to businesses during inspections.

SIGNIFICANT INDUSTRIAL USER COMPLIANCE SUMMARY

Permitted Industrial User	Permit		Monitoring Frequency ¹	In Significant Non-Compliance? (Y/N) ³	Compliance ²					Comments
	Effective	Expires			1	2	3	4	5	
1. A&R Aviation	12/20/20	12/20/25	P- 1/Year S- Variable	F - 0 L - 0 P - 0 S - 0						
2. Crown Cork & Seal Company, Inc.	03/05/21	03/05/26	P- 1/Year S- 12/Year	F - 0 L - 0 P - 0 S - 0						
3. Pepsi Northwest Beverages, LLC	09/18/20	09/18/25	P- 1/Year S- 12/Year	F - 0 L - 0 P - 0 S - 0						
4. Thurston County Waste & Recovery Center	09/29/22	09/28/27	P- 1/Year S- 12/Year	F - 0 L - 2 P - 0 S - 0	N	N	N	N	N	See details in enforcement section of report summary.

¹ P-POTW compliance monitoring; S-industrial self-monitoring.

² F-Categorical standards violation; L-Local limit violation; P- Prohibited discharge standards violation; S-Failed to meet submittal deadline.

³ 1-Wastewater discharge limits; 2-Compliance schedule milestones; 3-Failure to provide reports; 4-Failure to accurately report non-compliance; 5-Other significant violations.

NON SIGNIFICANT CATEGORICAL INDUSTRIAL USER COMPLIANCE SUMMARY

Permitted Industrial User	Permit		Monitoring Frequency ¹	In Compliance ²	Significant Non-compliance (Y/N) ³					Comments
	Effective	Expires			1	2	3	4	5	
1. American Benchmark Machine Works	10/15/20	10/14/25	P- S-	⁴ ⁴	F - 0 L - 0 P - 0 S - 0					
2. Earth Friendly Products	12/07/20	12/07/25	P- S-	⁴ ⁴	F - 0 L - 0 P - 0 S - 0					
3. J. R. Setina Manufacturing Company, Inc.	09/29/22	09/28/27	P- S-	⁴ ⁴	F - 0 L - 0 P - 0 S - 0					
4. Winsor Fireform, LLC	11/31/2023	11/31/2028	P- S-	⁴ ⁴	F - 0 L - 0 P - 0 S - 0					

¹ P-POTW compliance monitoring; S-industrial self-monitoring.

² F-Categorical standards violation; L-Local limit violation; P- Prohibited discharge standards violation; S-Failed to meet submittal deadline.

³ 1-Wastewater discharge limits; 2-Compliance schedule milestones; 3-Failure to provide reports; 4-Failure to accurately report non-compliance; 5-Other significant violations.

⁴ Maintained zero-discharge status

GEORGIA-PACIFIC CORRUGATED, LLC

2024			JAN	FEB	MAR	APR	MAY	JUN		JUL	AUG	SEP	OCT	NOV	DEC
Date DMR Received			2/13/24	3/6/24	4/12/24	5/13/24	6/13/24	7/15/24	6/16/24	8/7/24	9/11/24	10/11/24	11/13/24	12/11/24	1/10/25
Parameter	Units	Local Limit							LOTT						
Flow (max)	gpd	16,000	5,082	10,164	5,082	5,082	5,082	5,082		5,082	10,164	10,164	10,164	5,082	10,164
Flow (ave)	gpd	11,000	2,951	2,804	2,951	3,388	3,607	3,049		3,443	3,115	3,049	3,934	2,880	3,279
BOD (ave)	mg/L	N/A	363	713	487	550	151	178	-	570	396.7	319	293	616	447
TSS (ave)	mg/L	N/A	46	65	153	39	127	75	-	23	21	81	73	53	32
pH (min)	SU	5.0	6.78	6.83	6.77	6.34	6.63	5.89	7.59	5.77	5.83	6.95	7.14	6.80	5.43
pH (max)	SU	11.0	7.66	8.38	7.91	7.78	7.69	7.95	7.59	8.46	7.78	8.00	8.16	8.71	9.09
FOG-T (HEM)	mg/L	N/A	4.8 U	4.8 U	5.40	6.7	4.8 U	4.8 U	5.0 J	7.4	4.9 U	4.8 U	4.8 U	4.8 U	4.8
FOG-Polar	mg/L	300	0.0 J	0.0 J	0.6 J	1.9 J	0.0 J	0.0 J	2.1 J	2.7 J	0.0 J	0.0 J	0.0 J	0.0 J	0.0 J
FOG-NP (SGT)	mg/L	100	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	2.9 J	4.7 U	4.9 U	4.8 U	4.8 U	4.8 U	4.8 U
Ammonia	mg/L	N/A	183	103	140	88	126	150	-	117	85	78	38	63	47
Arsenic	mg/L	0.2	NT	NT	NT	NT	NT	0.0012	1.1 J	NT	NT	NT	NT	NT	0.0015
Cadmium	mg/L	0.2	NT	NT	NT	NT	NT	0.00040 U	0.07 J	NT	NT	NT	NT	NT	0.00040 U
Chromium	mg/L	1.0	NT	NT	NT	NT	NT	0.00080 U	0.3 J	NT	NT	NT	NT	NT	0.00080 U
Chromium +6	mg/L	0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	mg/L	0.5	NT	NT	NT	NT	NT	0.095	18.0	NT	NT	NT	NT	NT	0.037
Lead	mg/L	0.4	NT	NT	NT	NT	NT	0.00040	0.11	NT	NT	NT	NT	NT	0.00050 U
Mercury	mg/L	0.05	NT	NT	NT	NT	NT	0.00030 U	0.42 J	NT	NT	NT	NT	NT	0.00030 U
Molybdenum	mg/L	N/A	NT	NT	NT	NT	NT	0.69	745	NT	NT	NT	NT	NT	0.31
Nickel	mg/L	0.5	NT	NT	NT	NT	NT	0.0082	9.7	NT	NT	NT	NT	NT	0.0072
Selenium	mg/L	N/A	NT	NT	NT	NT	NT	0.00800	1.0 U	NT	NT	NT	NT	NT	0.0080 U
Silver	mg/L	0.2	NT	NT	NT	NT	NT	0.00040	0.05 U	NT	NT	NT	NT	NT	0.00040 U
Zinc	mg/L	1.0	NT	NT	NT	NT	NT	0.011	12	NT	NT	NT	NT	NT	0.018
CN, total	mg/L	0.64	NT	NT	NT	NT	NT	0.021	0.18 J	NT	NT	NT	NT	NT	0.020 U
CN, free	mg/L	0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

All results from self-monitoring except **bold** print, which is POTW monitoring. **Red** print denotes violation. NT - not tested

CROWN CORK & SEAL COMPANY, INC. CATEGORICAL LIMITS

2024			JAN	FEB	MAR	6-MONTH SNC REVIEW	APR	MAY	JUN	6-MONTH SNC REVIEW	JUL	AUG		SEP	6-MONTH SNC REVIEW	OCT	NOV	DEC	6-MONTH SNC REVIEW
Date DMR Received			2/15/24	3/15/24	4/15/24		5/10/24	6/17/24	7/15/24		8/9/24	8/8/24	9/19/24	10/14/24		11/15/24	12/13/24	1/15/25	
Parameter	Units	40 CFR Part 465, Subpart D				10/23-3/24				1/24-6/24		LOTT			4/24-9/24				7/24-12/24
Chromium (max)	gm/mmcans	36.92	0.05	0.05	0.06	NO	0.06	0.11	0.05	NO	0.09	0.07	0.01	NO	0.02	0.01	0.00	NO	
Chromium (monthly ave)	gm/mmcans	15.10	0.05	0.05	0.05	NO	0.06	0.11	0.05	NO	0.09	0.05	0.01	NO	0.02	0.01	0.00	NO	
Copper (max)	gm/mmcans	159.41	0.85	0.43	0.85	NO	0.81	0.87	0.39	NO	0.78	0.64	0.10	NO	0.19	0.11	0.04	NO	
Copper (monthly average)	gm/mmcans	83.90	0.85	0.43	0.58	NO	0.81	0.87	0.39	NO	0.78	0.52	0.10	NO	0.19	0.11	0.04	NO	
Zinc (max)	gm/mmcans	122.49	0.85	0.46	1.02	NO	0.81	0.76	0.55	NO	0.91	1.94	1.35	NO	1.79	1.59	1.14	NO	
Zinc (monthly average)	gm/mmcans	51.18	0.85	0.46	0.87	NO	0.81	0.76	0.55	NO	0.91	1.32	1.35	NO	1.79	1.59	1.14	NO	
Fluoride (max)	gm/mmcans	4,992.05	600	525	475	NO	484	563	378	NO	719	550	275	NO	314.72	204.19	109	NO	
Fluoride (monthly ave)	gm/mmcans	2,214.96	600	525	475	NO	484	563	378	NO	719	355	275	NO	314.72	204.19	109	NO	
Phosphorus (max)	gm/mmcans	1,401.13	1.09	1.61	2.78	NO	1.84	4.22	2.57	NO	1.01	14.45	3.75	NO	1.40	1.03	1.01	NO	
Phosphorus (monthly ave)	gm/mmcans	573.04	1.09	1.61	2.78	NO	1.84	4.22	2.57	NO	1.01	7.70	3.75	NO	1.40	1.03	1.01	NO	
Manganese (max)	gm/mmcans	57.05	6.35	4.92	9.16	NO	3.88	7.31	3.78	NO	5.88	10.11	5.75	NO	14.28	8.07	5.05	NO	
Manganese (monthly ave)	gm/mmcans	24.33	6.35	4.92	6.14	NO	3.88	7.31	3.78	NO	5.88	10.13	5.75	NO	14.28	8.07	5.05	NO	
Oil & Grease (max)*	gm/mmcans	1,678.00	91.7	78.79	81.43	NO	107	95.64	42.91	NO	219	562	63	NO	213.04	37.81	20.59	NO	
Oil & Grease (monthly ave)*	gm/mmcans	1,006.80	91.7	78.79	81.43	NO	107	95.64	42.91	NO	219	355	63	NO	213.04	37.81	20.59	NO	
* in lieu of TTO												All results from self-monitoring except bold print, which is POTW monitoring. Red print denotes violation. NT - not tested							
Flow (max)	gpd	101,000	78,250	67,679	76,723	NO	69,167	66,218	73,120	NO	73,510	71,653	59,019	NO	62,504	72,561	62,972	NO	
Flow (monthly ave)	gpd	90,000	61,826	56,798	61,222	NO	55,723	53,856	59,762	NO	61,152	56,400	46,892	NO	46,879	42,341	35,891	NO	
pH (min)	SU	5.0	6.65	7.0	7.01	NO	6.97	6.20	6.14	NO	7.14	7.69	5.03	7.13	NO	6.80	7.43	7.20	NO
pH (max)	SU	11.0	8.08	8.3	7.64	NO	7.62	9.89	9.84	NO	8.93	7.69	10.00	9.07	NO	8.27	10.14	10.47	NO
Chromium (max)	mg/L	0.007	0.0015	0.0014	0.0019	NO	0.0019	0.0038	0.0027	NO	0.0029	0.00219	0.0012	0.00036	NO	0.00095	0.00037 J	0.00026	NO
Chromium (monthly ave)	mg/L	0.007	0.0015	0.0014	0.0014	NO	0.0019	0.0038	0.0027	NO	0.0029	0.0017		0.00036	NO	0.00095	0.00037 J	0.00026	NO
Copper (max)	mg/L	0.006	0.024	0.013	0.025	NO	0.025	0.031	0.023	NO	0.024	0.0209	0.013	0.0040	NO	0.0077	0.0044	0.0023	NO
Copper (monthly average)	mg/L	0.006	0.024	0.013	0.017	NO	0.025	0.031	0.023	NO	0.024	0.017		0.0040	NO	0.0077	0.0044	0.0023	NO
Zinc (max)	mg/L	0.006	0.024	0.014	0.030	NO	0.025	0.027	0.032	NO	0.028	0.023	0.063	0.054	NO	0.074	0.063	0.061	NO
Zinc (monthly average)	mg/L	0.006	0.024	0.014	0.026	NO	0.025	0.027	0.032	NO	0.028	0.043		0.054	NO	0.074	0.063	0.061	NO
Fluoride (max)	mg/L	0.2	17	16	14	NO	15	20	22	NO	22	17.9	5.2	11	NO	13	8.1	5.8	NO
Fluoride (monthly ave)	mg/L	0.2	17	16	14	NO	15	20	22	NO	22	12		11	NO	13	8.1	5.8	NO
Phosphorus (max)	mg/L	0.1	0.031 U	0.049 J	0.082 J	NO	0.057 U	0.15	0.15 U	NO	0.031 U	0.47 U	0.031 U	0.15 U	NO	0.058 J	0.041 J	0.054	NO
Phosphorus (monthly ave)	mg/L	0.1	0.031 U	0.049 J	0.082 J	NO	0.057 U	0.15	0.15 U	NO	0.031 U	0.251 U		0.15 U	NO	0.058 J	0.041 J	0.054	NO
Manganese (max)	mg/L	0.002	0.18	0.15	0.27	NO	0.120	0.26	0.22	NO	0.18	0.329	0.33	0.23	NO	0.59	0.32	0.27	NO
Manganese (monthly ave)	mg/L	0.002	0.18	0.15	0.18	NO	0.120	0.26	0.22	NO	0.18	0.33		0.23	NO	0.59	0.32	0.27	NO
Oil & Grease (SGT) (max)*	mg/L	5	2.6 J	2.4 J	2.4 J	NO	3.3 J	3.4 J	2.5 J	NO	6.7	18.3	4.8 U	2.5 J	NO	8.8	1.5 J	1.1 U	NO
Oil & Grease (SGT)(monthly ave)*	mg/L	5	2.6 J	2.4 J	2.4 J	NO	3.3 J	3.4 J	2.5 J	NO	6.7	11.6		2.5 J	NO	8.8	1.5 J	1.1 U	NO

CROWN CORK & SEAL COMPANY, INC. LOCAL LIMITS

2024			JAN	FEB	MAR	6-MONTH SNC REVIEW	APR	MAY	JUN	6-MONTH SNC REVIEW	JUL	AUG		SEP	6-MONTH SNC REVIEW	OCT	NOV	DEC	6-MONTH SNC REVIEW
Date DMR Received			2/15/24	3/15/24	4/15/24		5/10/24	6/17/24	7/15/24		8/9/24	8/8/24	9/19/24	10/14/24		11/15/24	12/13/24	1/15/25	
Parameter	Units	Local Limit				10/23-3/24				1/24-6/24		LOTT			4/24-9/24				7/24-12/24
Flow (max)	gpd	101,000	78,250	67,679	76,723	NO	69,167	66,218	73,120	NO	73,510	71,653		59,019	NO	62,504	72,561	62,972	NO
Flow monthly (ave)	gpd	90,000	61,826	56,798	61,222	NO	55,723	53,856	59,762	NO	61,152	56,400		46,892	NO	46,879	42,341	35,891	NO
BOD (ave)	mg/L	N/A	NT	NT	NT	NO	NT	280	NT	NO	NT	223		NT	NO	NT	24	NT	NO
TSS (ave)	mg/L	N/A	NT	NT	NT	NO	NT	16	NT	NO	NT	17.0		NT	NO	NT	7.5	NT	NO
pH (min)	SU	5.0	6.65	7.00	7.01	NO	6.97	6.20	6.14	NO	7.14	7.69	5.03	7.13	NO	6.80	7.43	7.20	NO
pH (max)	SU	11.0	8.08	8.30	7.64	NO	7.62	9.89	9.84	NO	8.93	7.69	10.00	9.07	NO	9.76	10.14	10.47	NO
FOG-T (HEM)	mg/L	N/A	4.0 J	5.1	4.3 J	NO	6.1	5.8	12.2	NO	10.60	37.7	4.8 U	4.9	NO	8.8 J	4.0 J	1.6 J	NO
FOG-Polar	mg/L	300	1.4 J	2.7 J	1.9 J	NO	2.8 J	2.4 J	9.7 J	NO	3.90 J	19.4 J	0.0 J	2.4 J	NO	4.7 J	2.5 J	0.5 J	NO
FOG-NP (SGT)	mg/L	100	2.6 J	2.4 J	2.4 J	NO	3.3 J	3.4 J	2.5 J	NO	6.7 J	18.3 J	4.8 U	2.5 J	NO	4.1 J	1.5 J	1.1 U	NO
Ammonia	mg/L	N/A	NT	NT	NT	NO	NT	NT	NT	NO	NT	2.08	NT	NT	NO	NT	NT	NT	NO
Arsenic	mg/L	0.2	NT	NT	NT	NO	NT	0.00020 U	NT	NO	NT	0.00009	NT	NT	NO	NT	0.00026 J	NT	NO
Cadmium	mg/L	0.2	NT	NT	NT	NO	NT	0.000170 J	NT	NO	NT	0.000073	NT	NT	NO	NT	0.00022 J	NT	NO
Chromium	mg/L	1.0	0.0015	0.0014	0.0019	NO	0.0019	0.0038	0.0027	NO	0.0029	0.00219	0.0012	0.00036	NO	0.00095	0.0004	0.0003	NO
Chromium +6	mg/L	0.25	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NT	NO	NT	NT	NT	NO
Copper	mg/L	0.5	0.024	0.013	0.025	NO	0.025	0.031	0.023	NO	0.024	0.0209	0.013	0.0040	NO	0.0077	0.004	0.002	NO
Lead	mg/L	0.4	NT	NT	NT	NO	NT	0.0053	NT	NO	NT	0.00338	NT	NT	NO	NT	0.0051	NT	NO
Mercury	mg/L	0.05	NT	NT	NT	NO	NT	0.00015 U	NT	NO	NT	0.00466	NT	NT	NO	NT	0.00005 U	NT	NO
Molybdenum	mg/L	N/A	NT	NT	NT	NO	NT	0.019	NT	NO	NT	0.0114	NT	NT	NO	NT	0.013	NT	NO
Nickel	mg/L	0.5	NT	NT	NT	NO	NT	0.057	NT	NO	NT	0.042	NT	NT	NO	NT	0.044	NT	NO
Selenium	mg/L	N/A	NT	NT	NT	NO	NT	0.0021 U	NT	NO	NT	0.0002	NT	NT	NO	NT	0.0080 U	NT	NO
Silver	mg/L	0.2	NT	NT	NT	NO	NT	0.000025 U	NT	NO	NT	0.000009	NT	NT	NO	NT	0.00040 U	NT	NO
Zinc	mg/L	1.0	0.024	0.014	0.030	NO	0.025	0.027	0.032	NO	0.028	0.023	0.063	0.054	NO	0.074	0.063	0.061	NO
CN, total	mg/L	0.64	0.0080 J	0.0081 J	NT	NO	0.02 U	0.0073 J	0.029	NO	0.016 J	0.0005 J	0.0096	0.0080 U	NO	NT	0.020 U	NT	NO
CN, free	mg/L	0.25	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NT	NO	NT	NT	NT	NO

All results from self-monitoring except **bold** print, which is POTW monitoring. **Red** print denotes violation. NT - not tested

A & R AVIATION CATEGORICAL LIMITS

2024			JAN	FEB	MAR	6-MONTH SNC REVIEW	APR	MAY	JUN	6-MONTH SNC REVIEW	JUL	AUG	SEP	6-MONTH SNC REVIEW	OCT		NOV	DEC	6-MONTH SNC REVIEW
Date DMR Received			2/7/24	3/4/24	4/4/24		5/6/24	6/12/24	7/22/24		8/5/24	9/9/24	10/8/24		11/4/24	10/25/24	12/3/24	1/6/25	
Parameter	Units	40 CFR Part 433 Subpart A				10/23-3/24				1/24-6/24				4/24-9/24		LOTT			7/24-12/24
Cadmium Daily Max	mg/L	0.11	0.0042	Zero Discharge	Zero Discharge	NO	Zero Discharge	0.00478	Zero Discharge	NO	Zero Discharge	Zero Discharge	Zero Discharge	NO	0.00637	0.00435	Zero Discharge	Zero Discharge	
Cadmium Monthly Average	mg/L	0.07	0.0042			NO		0.00478		NO				NO	0.00536				
Chromium Daily Max	mg/L	2.77	0.0108			NO		0.01870		NO				NO	0.0176	0.0112			
Chromium Monthly Average	mg/L	1.71	0.0108			NO		0.01870		NO				NO	0.0144				
Copper Daily Max	mg/L	3.38	0.121			NO		0.110		NO				NO	0.157	0.125			
Copper Monthly Average	mg/L	2.07	0.121			NO		0.110		NO				NO	0.141				
Lead Daily Max	mg/L	0.69	0.00599			NO		0.00698		NO				NO	0.0073	0.0061			
Lead Monthly Average	mg/L	0.43	0.00599			NO		0.00698		NO				NO	0.0067				
Nickel Daily Max	mg/L	3.98	0.00568			NO		0.00484		NO				NO	0.0095	0.0080			
Nickel Monthly Average	mg/L	2.38	0.00568			NO		0.00484		NO				NO	0.0087				
Silver Daily Max	mg/L	0.43	0.000061			NO		0.000053		NO				NO	0.0001 U	0.000037 U			
Silver Monthly Average	mg/L	0.24	0.000061			NO		0.000053		NO				NO	0.000069 J				
Zinc Daily Max	mg/L	2.61	0.272			NO		0.288		NO				NO	0.382	0.154			
Zinc Monthly Average	mg/L	1.48	0.272			NO		0.288		NO				NO	0.268				
CN, Daily Max	mg/L	1.20	0.02 U			NO		0.020 U		NO				NO	0.020 U	0.0005 U			
CN, Monthly Average	mg/L	0.65	0.02 U			NO		0.020 U		NO				NO	0.010 U				
TTO	mg/L	2.13	NT			NO		NT		NO				NO	NT	NT			

All results from self-monitoring except **bold** print, which is POTW monitoring. **Red** print denotes violation. NT - not tested

A & R AVIATION LOCAL LIMITS

2024			JAN	FEB	MAR	6-MONTH SNC REVIEW	APR	MAY	JUN	6-MONTH SNC REVIEW	JUL	AUG	SEP	6-MONTH SNC REVIEW	OCT		NOV	DEC	6-MONTH SNC REVIEW
Date DMR Received			2/7/24	3/4/24	4/4/24		5/6/24	6/12/24	7/22/24		8/5/24	9/9/24	10/8/24		11/4/24	10/25/24	12/3/24	1/6/25	
Parameter	Units	Local Limit				10/23-3/24				1/24-6/24				4/24-9/24		LOTT			7/24-12/24
Flow (max)	gpd	N/A	255	Zero Discharge	Zero Discharge	NO	Zero Discharge	258	Zero Discharge	NO	Zero Discharge	Zero Discharge	Zero Discharge	Zero Discharge	NO	246	Zero Discharge	Zero Discharge	
Flow (ave)	gpd	N/A	246			NO		235		NO					NO	197			
pH (min)	SU	5.0	5.09			NO		6.17		NO					NO	5.73			
pH (max)	SU	11.0	7.10			NO		7.24		NO					NO	8.1			
FOG-T (HEM)	mg/L	N/A	62.6			NO		37.4		NO					NO	26.7			
FOG-Polar	mg/L	300	57.4 J			NO		32.5 J		NO					NO	0.00 U			
FOG-NP (SGT)	mg/L	100	5.2 U			NO		4.9 U		NO					NO	2.80			
Arsenic	lbs/day	0.002	NT			NO		NT		NO					NO	NT			
Cadmium	lbs/day	0.002	0.000009			NO		0.0000093		NO					NO	0.000010			
Chromium	lbs/day	0.008	0.000022			NO		0.0000366		NO					NO	0.0000289			
Chromium +6	lbs/day	0.002	NT			NO		NT		NO					NO	NT			
Copper	lbs/day	0.004	0.00025			NO		0.0002152		NO					NO	0.000258			
Lead	lbs/day	0.004	0.0000123			NO		0.0000137		NO					NO	0.000012			
Mercury	lbs/day	0.0004	NT			NO		NT		NO					NO	NT			
Molybdenum	lbs/day	N/A	NT			NO		NT		NO					NO	NT			
Nickel	lbs/day	0.004	0.000012			NO		0.0000095		NO					NO	0.000016			
Selenium	lbs/day	N/A	NT			NO		NT		NO					NO	NT			
Silver	lbs/day	0.002	0.000000125			NO		0.0000001		NO					NO	0.000000164			
Zinc	lbs/day	0.008	0.00056			NO		0.0005633		NO					NO	0.00063			
CN, total	lbs/day	0.005	0.000033			NO		0.0000391		NO					NO	0.000033			
CN, free	lbs/day	0.002	NT			NO		NT		NO					NO	NT			

All results from self-monitoring except **bold** print, which is POTW monitoring. **Red** print denotes violation. NT - not tested

INTERNATIONAL PAPER COMPANY

2024			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
Date DMR Received			2/6/24	3/5/24	4/3/24	5/7/24	6/4/24	7/10/24	8/7/24	9/5/24	10/4/24	11/6/24	12/10/24	11/15/24	1/8/25
Parameter	Units	Local Limit											LOTT		
Flow (max)	gpd	15,000	9,400	11,500	6,600	9,703	12,907	10,600	9,199	13600	10,200	9,756	14900		9020
Flow (ave)	gpd	11,000	3,230	2,757	2,578	3,220	2,874	2,740	3510	4594	3200	2952	4787		2182
BOD (ave)	mg/L	N/A	543	350	168	296	620	390	627	1020	290	1520	663	148	337
TSS (ave)	mg/L	N/A	6.0	10.3	9.7	7.7	22	13.2	12.8	9.0	12.5	7.5	6.3	40.0	5.5
pH (min)	SU	5.0	7.2	7.0	7.2	6.9	6.7	7.0	6.8	6.5	6.5	6.7	7.4	8.06	7.0
pH (max)	SU	11.0	10.0	9.5	10.1	9.0	8.7	8.5	8.5	8.9	8.7	9.8	9.0	8.06	9.6
FOG-T (HEM)	mg/L	N/A	5.2 U	NT	NT	NT	NT	NT	5.0 U	NT	NT	NT	NT	4.1 J	NT
FOG-Polar	mg/L	300	0.00 J	NT	NT	NT	NT	NT	0.0 J	NT	NT	NT	NT	1.7 J	NT
FOG-NP (SGT)	mg/L	100	5.2 U	NT	NT	NT	NT	NT	5.0 U	NT	NT	NT	NT	2.4 J	NT
Ammonia	mg/L	N/A	25.5	46.6	13.3	24.3	14.7	19.6	30.0	14.3	30.3	22.7	23.2	27.5	30.0
Arsenic	mg/L	0.2	0.00065	NT	NT	NT	NT	NT	1.35	NT	NT	NT	NT	0.00	NT
Cadmium	mg/L	0.2	0.000046	NT	NT	NT	NT	NT	0.037	NT	NT	NT	NT	0.00	NT
Chromium	mg/L	1.0	0.0002 U	NT	NT	NT	NT	NT	0.20 U	NT	NT	NT	NT	0.00	NT
Chromium +6	mg/L	0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	mg/L	0.5	0.0581	NT	NT	NT	NT	NT	40.4	NT	NT	NT	NT	0.0472	NT
Lead	mg/L	0.4	0.00122	NT	NT	NT	NT	NT	0.049	NT	NT	NT	NT	0.00064	NT
Mercury	mg/L	0.05	0.0002 U	NT	NT	NT	NT	NT	0.20 U	NT	NT	NT	NT	0.00000048	NT
Molybdenum	mg/L	N/A	0.109	NT	NT	NT	NT	NT	16.4	NT	NT	NT	NT	0.0162	NT
Nickel	mg/L	0.5	0.00297	NT	NT	NT	NT	NT	11.0	NT	NT	NT	NT	0.0077	NT
Selenium	mg/L	N/A	0.001 U	NT	NT	NT	NT	NT	1.0	NT	NT	NT	NT	0.0002	NT
Silver	mg/L	0.2	0.000021	NT	NT	NT	NT	NT	0.020	NT	NT	NT	NT	0.00003 U	NT
Zinc	mg/L	1.0	0.0165	NT	NT	NT	NT	NT	25.9	NT	NT	NT	NT	0.0124	NT
CN, total	mg/L	0.64	0.20 U	NT	NT	NT	NT	NT	0.020 U	NT	NT	NT	NT	0.002 J	NT
CN, free	mg/L	0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

All results from self-monitoring except **bold** print, which is POTW monitoring. **Red** print denotes violation. NT - not tested

THURSTON COUNTY WATER & WASTE MANAGEMENT – WASTE & RECOVERY CENTER

2024				JAN	FEB	MAR	6-MONTH SNC REVIEW	APR	MAY	JUN	6-MONTH SNC REVIEW	JUL	AUG	SEP	6-MONTH SNC REVIEW	OCT	NOV		DEC	6-MONTH SNC REVIEW
Date DMR Received				2/12/24	3/14/24	4/12/24		5/15/24	6/17/24	N/A		N/A	N/A	N/A		11/25/24	12/13/24	11/15/24	1/15/25	
Parameter	Units	Local Limit					10/23-3/24				1/24-6/24				4/24-9/24		LOTT			7/24-12/24
001	Flow (max)	gpd	100,000	40,400	36,800	26,700	NO	24,865	0.00	0.00	NO	0.00	0.00	0.00	NO	24,087	10,473		37,255	NO
	Flow (ave)	gpd	50,000	28,523	20,207	11,498	NO	14,159	0.00	0.00	NO	0.00	0.00	0.00	NO	12,227	5461		16,540	NO
002	Flow (max)	gpd	100,000	2344	1,100	962	NO	795	597	644	NO	622	653	759	NO	819	628		1,591	NO
	Flow (ave)	gpd	50,000	714	430	133	NO	218	241	210	NO	292	386	149	NO	390	345		509	NO
003	Flow (max)	gpd	100,000	40,800	37,881	27,562	NO	25,023	597	644	NO	622	653	759	NO	24,704	10,619		38,021	NO
	Flow (ave)	gpd	50,000	29,237	20,637	11,631	NO	14,378	241	210	NO	292	386	149	NO	12,617	5619		17,048	NO
	BOD (ave)	mg/L	N/A	66.7	103	149	NO	32	432	NT	NO	NT	NT	NT	NO	46	49	148	119	NO
	TSS (ave)	mg/L	N/A	40.7	68	214	NO	11	144	NT	NO	NT	NT	NT	NO	55	27	40	47.7	NO
	pH (min)	SU	5.0	6.79	6.83	7.09	NO	6.66	7.16	NT	NO	NT	NT	NT	NO	6.96	7.11	7.99	7.20	NO
	pH (max)	SU	11.0	7.29	7.15	7.20	NO	7.53	7.46	NT	NO	NT	NT	NT	NO	8.24	7.73	7.99	7.56	NO
	FOG-T (HEM)	mg/L	N/A	5 U	5 U	5 U	NO	5 U	5 U	NT	NO	NT	NT	NT	NO	5 U	5 U	1.7 J	5.0 U	NO
	FOG-Polar	mg/L	300	5 U	5 U	5 U	NO	5 U	5 U	NT	NO	NT	NT	NT	NO	5 U	5 U	0.3 J	5.0 U	NO
	FOG-NP (SGT)	mg/L	100	5 U	5 U	5 U	NO	5 U	5 U	NT	NO	NT	NT	NT	NO	5 U	5 U	1.4 U	5.0 U	NO
	Ammonia	mg/L	N/A	27.7	21	29	NO	18.1	76.3	NT	NO	NT	NT	NT	NO	7.57	19.8	27.5	21.0	NO
	Arsenic	mg/L	0.2	0.00432	0.00287	0.0154	NO	0.00301	0.003959	NT	NO	NT	NT	NT	NO	0.08461 U	0.00614	0.0055	0.005204	NO
	Cadmium	mg/L	0.2	0.0001 U	0.000109	0.00102	NO	0.0001 U	0.000219	NT	NO	NT	NT	NT	NO	0.001 U	0.0001 U	0.00003 U	0.000100 U	NO
	Chromium	mg/L	1.0	0.00367	0.00488	0.0387	NO	0.00231	0.01352	NT	NO	NT	NT	NT	NO	0.03662	0.00375	0.00287	0.0045	NO
	Chromium +6	mg/L	0.25	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NT	NO
	Copper	mg/L	0.5	0.01140	0.013	0.297	NO	0.0253	0.05815	NT	NO	NT	NT	NT	NO	0.3448	0.0265	0.0235	0.0285	NO
	Lead	mg/L	0.4	0.001920	0.00237	0.0455	NO	0.000705	0.00371	NT	NO	NT	NT	NT	NO	0.00567	0.001035	0.000683	0.00153	NO
	Mercury	mg/L	0.05	0.0001 U	0.0001 U	0.0001 U	NO	0.0001 U	0.0001 U	NT	NO	NT	NT	NT	NO	0.000110 U	0.0001 U	0.00000686 U	0.000100 U	NO
	Molybdenum	mg/L	N/A	0.00084	0.00177	0.0073	NO	0.00096	0.003624	NT	NO	NT	NT	NT	NO	0.01662	0.00135	0.00097	0.001087	NO
	Nickel	mg/L	0.5	0.00776	0.00822	0.0312	NO	0.00652	0.02322	NT	NO	NT	NT	NT	NO	0.15820	0.01243	0.01140	0.01151	NO
	Selenium	mg/L	N/A	0.00112	0.00101	0.001 U	NO	0.00100	0.001 U	NT	NO	NT	NT	NT	NO	0.01877	0.0051	0.0002 U	0.00249	NO
	Silver	mg/L	0.2	0.0002 U	0.0002 U	0.0058 U	NO	0.00020	0.00022	NT	NO	NT	NT	NT	NO	0.002 U	0.0002 U	0.000012 J	0.00020 U	NO
	Zinc	mg/L	1.0	0.0517	0.117	1.19/0.029	NO	0.0561	0.2525	NT	NO	NT	NT	NT	NO	1.372	0.0813	0.113	0.1516	NO
	CN, total	mg/L	0.64	0.005 U	1.005 U	0.005 U	NO	0.008	0.020 U	NT	NO	NT	NT	NT	NO	0.005 U	0.005 U	0.0005 U	0.005 U	NO
	CN, free	mg/L	0.25	NT	NT	0.005 U	NO	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NT	NO

All results from self-monitoring except **bold** print, which is POTW monitoring. **Red** print denotes violation. NT - not tested

PEPSI NORTHWEST BEVERAGES, LLC

2024			JAN	FEB	MAR	6-MONTH SNC REVIEW	APR	MAY	JUN	6-MONTH SNC REVIEW	JUL	AUG		SEP	6-MONTH SNC REVIEW	OCT	NOV	DEC	6-MONTH SNC REVIEW
Date DMR Received			2/5/24	3/4/24	4/8/24		5/6/24	6/3/24	7/8/24		8/5/24	8/7/24	9/4/24	10/3/24		11/4/24	12/3/24	1/6/25	
Parameter	Units	Local Limit				10/23-3/24				1/24-6/24		LOTT			4/24-9/24				7/24-12/24
Flow (max)	gpd	198,000	188,352	157,928	167,330	NO	177,781	175,960	170,487	NO	178,930	180,014		177,896	NO	177,607	190,646	180,018	NO
Flow (ave)	gpd	144,000	129,350	123,690	104,201	NO	131,238	119,339	122,144	NO	125,260	142,598		104,240	NO	110,367	113,886	113,417	NO
BOD (ave)	mg/L	N/A	1552	2553	1929	NO	1951	2216	2696	NO	2826	1220	1848	1767	NO	2420	2048	2518	NO
TSS (ave)	mg/L	N/A	NT	NT	NT	NO	NT	NT	NT	NO	NT	96.00	NT	NT	NO	NT	NT	NT	NO
pH (min)	SU	5.0	5.79	5.79	5.79	NO	5.79	5.79	5.78	NO	5.78	6.70	10.03	5.78	NO	5.79	5.79	5.77	NO
pH (max)	SU	11.0	10.69	10.51	10.29	NO	10.71	9.94	10.16	NO	9.91	6.70	5.79	10.66	NO	10.54	10.45	10.47	NO
FOG-T (HEM)	mg/L	N/A	30	24	24	NO	20.9	15.0	8.1	NO	27	34	13	15	NO	7.9	11.0 U	14.8	NO
FOG-Polar	mg/L	300	5.1 U	10	13	NO	3.9 J	7.1	8.1	NO	13	19	5.2 U	4.9 U	NO	7.9	6.4 U	8.9	NO
FOG-NP (SGT)	mg/L	100	25	14	11	NO	17.0	7.9	5.6 U	NO	14	53	8.5	13	NO	6.0 U	7.1 U	5.9	NO
Ammonia	mg/L	N/A	NT	NT	NT	NO	NT	NT	NT	NO	NT		NT	NT	NO	NT	NT	NT	NO
Arsenic	mg/L	0.2	NT	NT	0.0010	NO	NT	NT	NT	NO	NT	0.00139	NT	0.0010	NO	NT	NT	NT	NO
Cadmium	mg/L	0.2	NT	NT	0.00040 U	NO	NT	NT	NT	NO	NT	0.00001	NT	0.0040 U	NO	NT	NT	NT	NO
Chromium	mg/L	1.0	NT	NT	0.0035	NO	NT	NT	NT	NO	NT	0.00164	NT	0.0055	NO	NT	NT	NT	NO
Chromium +6	mg/L	0.25	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NT	NO	NT	NT	NT	NO
Copper	mg/L	0.5	NT	NT	0.015	NO	NT	NT	NT	NO	NT	0.0204	NT	0.017	NO	NT	NT	NT	NO
Lead	mg/L	0.4	NT	NT	0.00063	NO	NT	NT	NT	NO	NT	0.00116	NT	0.0011	NO	NT	NT	NT	NO
Mercury	mg/L	0.05	NT	NT	0.00030 U	NO	NT	NT	NT	NO	NT	0.000058	NT	0.00030 U	NO	NT	NT	NT	NO
Molybdenum	mg/L	N/A	NT	NT	0.00080 U	NO	NT	NT	NT	NO	NT	0.00032	NT	0.00080 U	NO	NT	NT	NT	NO
Nickel	mg/L	0.5	NT	NT	0.0030 U	NO	NT	NT	NT	NO	NT	0.00205	NT	0.0033	NO	NT	NT	NT	NO
Selenium	mg/L	N/A	NT	NT	0.0080 U	NO	NT	NT	NT	NO	NT	0.0002	NT	0.0080 U	NO	NT	NT	NT	NO
Silver	mg/L	0.2	NT	NT	0.00040 U	NO	NT	NT	NT	NO	NT	0.00001	NT	0.00040 U	NO	NT	NT	NT	NO
Zinc	mg/L	1.0	NT	NT	0.034	NO	NT	NT	NT	NO	NT	0.0520	NT	0.062	NO	NT	NT	NT	NO
CN, total	mg/L	0.64	NT	NT	0.020 U	NO	NT	NT	NT	NO	NT	.0005 U	NT	0.020 U	NO	NT	NT	NT	NO
CN, free	mg/L	0.25	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NT	NO	NT	NT	NT	NO

All results from self-monitoring except **bold** print, which is POTW monitoring. **Red** print denotes violation. NT - not tested

ZERO DISCHARGE NON SIGNIFICANT CATEGORICAL INDUSTRIAL USERS

AMERICAN BENCHMARK MACHINE WORKS		EARTH FRIENDLY PRODUCTS		J.R. SETINA MANUFACTURING		WINSOR FIREFORM	
Date of annual facility inspection	Date annual certification received	Date of annual facility inspection	Date annual certification received	Date of annual facility inspection	Date annual certification received	Date of annual facility inspection	Date annual certification received
10/31/2024	1/31/2025	11/7/2024	1/29/2025	10/30/2024	1/22/2025	10/29/2024	1/16/2025

PERFORMANCE SUMMARY

I GENERAL INFORMATION					
Control Authority Name:		LOTT Clean Water Alliance			
Address:		500 Adams St NE			
City:	Olympia	State:	WA	Zip:	98501-1073
Contact Person:		Justin Boyes, Environmental Program Manager			
Contact Telephone Number:		(360) 528-5728			
NPDES #:		WA0037061			
Reporting Period:		January 1, 2024, to December 31, 2024			
Total Significant Categorical IUs:		2			
Total Significant Non-categorical IUs:		2			
II SIGNIFICANT INDUSTRIAL USER COMPLIANCE			SIGNIFICANT INDUSTRIAL USERS		
			Categorical		Non-categorical
No. of SIUs submitting BMRs/no. required			0	/	0
No. of SIUs submitting 90-day compliance reports/no. required			0	/	0
No. of SIUs submitting semi-annual reports/no. required			1	/	1
No. of SIUs meeting compliance schedule/no. required to meet schedule			0	/	0
No. of SIUs in SNC (categorical & non-categorical)			0		
No. of SIUs not inspected or sampled			0		
No. of SIUs in SNC with standards and reporting			1		
No. of SIUs in SNC with self-monitoring			0		
No. of SIUs in SNC with self-monitoring and not inspected or sampled			0		
No. of SIUs in SNC/total number of SIUs			0/2		
III COMPLIANCE MONITORING PROGRAM					
No. of SIUs without a permit			0		
No. of SIU non-sampling inspections conducted			3		
No. of SIU sampling visits conducted			4		
No. of SIU facilities sampled			4		
Technical basis for limits (Y/N)			Y		
Adoption of technically based local limits (Y/N)			Y		
IV ENFORCEMENT ACTIONS					
Compliance schedules issued/schedules required			0/0		
Notice of violations issued to SIUs			0		
Administrative orders issued to SIUs			0		
Civil suits filed			0		
Significant violators (attach newspaper list)			0		
No. of penalties collected (total dollars/IUs assessed)			0		
Other SIU actions (letters of violations, sewer bans, warnings, etc.)			2		

02-26-2025
Date


Matthew J. Kennelly P.E.
Executive Director
LOTT Clean Water Alliance