LOTT Clean Water Alliance

Lacey ▪ Olympia ▪ Tumwater ▪ Thurston County

ANNUAL PRETREATMENT REPORT

NPDES Permit # WA0037061

Reporting Period:
January 1, 2022 through December 31, 2022

LOTT CLEAN WATER ALLIANCE
500 Adams St Ne
Olympia, WA 98501

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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.

2/24/2023
Date

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

2022 Annual Pretreatment Report
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2022 ANNUAL PRETREATMENT PROGRAM REPORT SUMMARY

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INTRODUCTION

The LOTT Clean Water Alliance (LOTT) implements a pretreatment program via a multijurisdictional agreement with the cities of Lacey, Olympia, Tumwater, and Thurston County. Under this agreement, LOTT establishes discharge regulations, conducts industrial user (IU) surveys to identify IUs, issues wastewater discharge permits, and conducts facility inspections to determine if IU's 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 2022.

INDUSTRIAL USER SURVEY ACTIVITY

LOTT surveys non-residential sewer users in Lacey, Olympia, and Tumwater as part of its National Pollutant Discharge Elimination System (NPDES) Permit requirements. Surveys identify businesses and organizations that may be subject to municipal 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. In 2022, LOTT reviewed 39 proposed projects from the City of Lacey, 89 from the City of Tumwater, and 64 from the City of Olympia.

In addition to plan reviews, LOTT conducts industry-specific surveys of existing facilities to determine their current waste practices. LOTT surveyed approximately twelve warehouses in the Hawks Prairie area of Lacey. Warehouses were surveyed because of the potential for industrial activities being conducted inside. No categorical or significant industrial users were identified as part of the survey. LOTT also surveyed two meat packing facilities in response to Ecology's Puget Sound Nutrient General Permit requirements. A total of 39 industrial user surveys were mailed and received in 2022.

INDUSTRIAL USER NOTIFICATION

40 CFR 403.8(f)(2)(iii) requires Publically Owned Treatment Works (POTW) to notify Industrial Users 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 that required industrial user notification in 2022.

INDUSTRIAL USER INSPECTIONS

Permitted IU Inspections

Wastewater discharge permits are issued to IUs and contain site-specific controls including discharge prohibitions, sampling, 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 of its permitted facilities in 2022, and sampled all Significant Industrial Users.

PERMITTED INDUSTRIAL USER FACILITY INSPECTIONS			
Name	**Jurisdiction**	**Inspection Date(s)**	**Sample Date**
A&R Aviation	Tumwater	5/24/2022	5/24/2022
Pepsi Northwest Beverages	Tumwater	6/1/2022	6/1/2022
Port of Olympia	Olympia	7/25/2022	-
International Paper	Lacey	8/3/2022	8/3/2022
Georgia Pacific Corrugated, LLC	Olympia	8/4/2022	8/4/2022
Roy's Designs	Olympia	8/26/2022	-
Earth Friendly Products	Lacey	8/26/2022	-
Crown Cork and Seal	Olympia	8/29/2022, 9/29/2022	8/29/2022
J.R. Setina Manufacturing	Olympia	8/29/2022	-
Thurston County Waste and Recovery Center	Lacey	12/7/2022	12/8/2022
American Benchmark Machine Works	Tumwater	12/16/2022	-
Winsor Fireform	Olympia	12/16/2022	-

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 (FSEs) 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 highlights from non-permitted IU inspections LOTT conducted in 2022. A full list is included in Table One.

Meat Packing inspections

LOTT inspected Empire Packing and Tri City Meats on March 18, 2022, and July 8, 2022. These facilities were inspected as part of LOTT's Fats Oils and Grease (FOG) program and to comply with a requirement of the Puget Sound Nutrient General Permit to review non-residential sources of nitrogen and identify any possible pretreatment opportunities.

EPA guidance identifies meat processing facilities as high nitrogen dischargers. However, there is a wide variety of meat processing facilities and the highest nitrogen loads come from manure, offal, and blood generated at slaughterhouses.

Styrofoam chunks in Empire Packing's grease interceptor

The facilities LOTT inspected are meat cutting plants that only process meat. No slaughtering is conducted onsite. Both facilities were notified that they need to maintain their grease interceptors, and that LOTT may have additional requirements in the future such as effluent sampling to determine nitrogen loading.

Whole Foods Distribution Center

LOTT inspected Whole Foods Distribution Center (a refrigerated warehouse) on July 14, 2022. The inspection was conducted as follow-up to an Industrial User survey. The inspection revealed that Whole Foods uses gaseous anhydrous ammonia as a refrigerant for cold storage.

To prevent the ammonia gas from being released into the air during an emergency, such as a fire or earthquake, Whole Foods has a diffusion tank. The diffusion tank is a 6015 gallon tank that contains 4512 gallons of water. In an emergency, 4674 pounds of ammonia is diffused into the water to prevent its release to the atmosphere. This results in the generation of 5062 gallons of ammonium hydroxide which is a toxic, corrosive hazardous waste.

The diffusion tank does not have secondary containment, and is located next to several floor drains that discharge to the POTW. Because of the potential for an accidental discharge to the POTW, LOTT required Whole Foods to complete a wastewater discharge permit application. A preliminary determination was made that a wastewater discharge permit is required. Conditions of the permit will likely include the requirement to develop a slug discharge control plan, and install secondary containment to prevent accidental releases to the POTW.

Ammonia diffusion tank and floor drain

Hummingbird Precision Machine Co.

LOTT conducted an inspection of Hummingbird Precision Machine Company on April 4, 2022. The purpose of the inspection was to determine whether Hummingbird Precision Machine's operational processes mandated a wastewater discharge permit. The facility was identified as a potential categorical user because of machining processes onsite. LOTT determined there were no categorical or other processes onsite that warranted a discharge permit. Staff were notified that LOTT should be contacted prior to implementing any new processes, so a categorical determination can be made.

Dental Office Inspections

In 2017, EPA promulgated a regulation commonly known as the Dental Rule. The Dental Rule requires dental offices to install and maintain dental amalgam separators, follow Best Management Practices, and submit reports to the local control authority verifying compliance. In 2021, LOTT received reports from all facilities subject to the Dental Rule. The next step was to conduct inspections to verify compliance.

LOTT began inspections of Dental Offices in 2022. The purpose of the inspections was to provide technical assistance to Dental Offices and to verify compliance with the Dental Rule. These inspections included:

- Checking the condition of dental amalgam separators.
- Reviewing maintenance records.
- Verifying that scrap amalgam was being properly disposed.
- Verifying that compliant cleaning products were used.

All Dental Offices inspected had installed dental amalgam separators. Dental amalgam separators are sediment traps that catch amalgam sediment generated during dental procedures. The amalgam catch containers require regular replacement.

Common deficiencies included lack of routine replacement of the catch containers and failure to conduct and document self-inspections. If a dental office's catch container needed to be replaced, the facility was required to replace the container. Otherwise, the facility was informed of the self-inspection and record-keeping requirements in a follow-up letter.

A full list of Dental Office inspections is included in Table Two.

Compliant amalgam separator

Non-compliant amalgam separator

Food Service Establishment (FSE) Inspections

In 2020 and 2021, some FSEs were contacted individually and required to submit a report detailing their most recent grease interceptor cleaning. This was done in response to the need to minimize in-person contact. Requesting reports provided LOTT with information regarding grease interceptor maintenance without conducting a facility inspection. It also served as a preliminary step to implement a grease pumper program by requiring FSEs to submit grease

interceptor cleaning reports, and by requesting reports from pumpers. This effort of requesting reports continued, and in-person inspections resumed in 2022. LOTT conducted a total of fifty-five inspections at forty-nine different FSEs in 2022 and received approximately 373 pumper reports. A full list of Food Service Establishment inspections is included in Table Three.

PARTNER/INTERAGENCY COLLABORATIONS

Joint Inspections

LOTT conducts joint inspections of IU's with representatives from its partner jurisdictions. Joint inspections may be conducted with designated partner contacts, building officials, health inspectors, collection system operators, water resource specialists, or stormwater 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.

Below are highlights from joint inspections LOTT conducted in 2022. A full list is included in Table Four.

Tops Solid Surface

LOTT conducted an inspection of Tops Solid Surface with City of Lacey on January 11, 2022. The inspection was conducted to review the installation of a new wastewater treatment and recycling system. Tops Solid Surface cuts stone countertops. Water is used in the cutting process as a coolant and for dust suppression. Their treatment system uses a bag filter to remove stone sediment from their wastewater, preventing it from settling in the POTW and allowing Top Solids Surface to recycle their water. The new system was approved.

Bag filter for stone cutting wastewater

Airport Shell

LOTT conducted an inspection of Airport Shell with City of Tumwater on March 31, 2022. The inspection was conducted in response to a grease-related stormwater violation. A thick grease-like substance was stored outside and had spilled on the ground. It was determined that the substance was residue from a sump near the gasoline tanks. LOTT inspected the kitchen and verified that the waste was not related to food production.

Grease-like substance near dumpster

Olympia Hotel at Capitol Lake

LOTT conducted a routine inspection of Olympia Hotel on June 7, 2022. The inspection revealed that the onsite grease interceptor was empty. It was determined that Olympia Hotel performed plumbing work without a permit that resulted in plumbing fixtures bypassing the grease interceptor. Because the work was performed without a permit, LOTT notified the City of Olympia Community Planning and Development Department.

LOTT then conducted a follow-up inspection on June 14, 2022, with Olympia Building Inspectors to dye test kitchen fixtures and verify that the fixtures bypassed the grease interceptor. The dye testing verified that the fixtures were bypassed. The City of Olympia required the facility to obtain a permit and reconnect the fixtures to the grease interceptor.

VSPOne

LOTT conducted an inspection of VSPOne with Department of Ecology on July 19, 2022, and September 22, 2022. At the time, VSPOne was closing their Lacey location as part of a nationwide consolidation. The inspections were conducted to document site conditions, and to ensure that residual chemicals were disposed properly. During the July inspection, a walkthrough was conducted, and VSPOne was notified of waste disposal and documentation requirements. The September inspection was to verify that all wastes were hauled offsite and to review the floor trench cleaning process. VSPOne provided documentation to LOTT and Ecology of wastes disposed.

Valvoline Instant Oil Change

LOTT conducted an inspection of Valvoline Instant Oil Change with Thurston County Environmental Health on December 12, 2022. The inspection was conducted because there were concerns that the contents of an oil and water separator were regularly discharged because an effluent pump was noted during a previous inspection. The inspection revealed that the effluent pump was part of an onsite lift station and pumped effluent up to grade. It did not pump out the contents of the oil and water separator. However, the inspection revealed that the oil and water separator did not have tees and drop legs on the inlet and outlet which allows oil to enter the POTW. The facility was required to install tees and drop legs in the separator.

PROGRAM CHANGES

Minor Modifications to the Pretreatment Program 2022

No minor program modifications were made in 2022.

Substantial Modifications to the Pretreatment Program 2022

No major program modifications were made in 2022.

Proposed Minor Modifications to the Pretreatment Program 2023

The following change LOTT intends to make in 2023 will require department of Ecology approval as a minor program modification.

Pretreatment Program Manual Enforcement Response Plan
Once approved by the LOTT Technical Sub Committee the revised Enforcement Response Plan will be submitted to Ecology as a minor program modification.

Proposed Substantial Modifications to the Pretreatment Program 2023

Ordinance Revisions

In 2017, draft revisions were made to the LOTT Discharge and Industrial Pretreatment Regulations to establish a molybdenum local limit, add requirements to install and maintain grease interceptors, and correct inconsistencies/typos. LOTT's legal counsel and management reviewed and approved the revisions internally. The revisions were reviewed and approved by the LOTT Technical Sub-Committee and were reviewed by partner jurisdiction's legal staff in 2019.

Legal review identified several concerns in the current ordinance unrelated to the proposed revisions. The concerns are in regards to criminal penalties exceeding amounts allowed by state law. Proposed language to address these concerns was drafted in 2022. The draft revisions were taken to the Technical Subcommittee for review, and are now under legal review of all partners. If legal review does not identify any other issues then the revisions may move forward to adoption by the LOTT Board.

A proposed change involves elimination of conflicting discharge limits in the local limits and prohibited discharge standards. The total petroleum hydrocarbon and oil and grease limit of 50 mg/L, and 300 mg/L (respectively) will be removed leaving the prohibited discharge limits of 100 mg/L and 300 mg/L as the remaining limit. Because this results in relaxation of a local limit, procedures for substantial modifications may need to be followed.

ORDINANCE AND RESOLUTION

No ordinances were passed during the 2022 reporting period.

INDUSTRIAL USER MONITORING SCHEDULE

Federal Pretreatment regulations require POTWs to sample and inspect Significant Industrial Users at least once per year. The following table details 2022 sampling and inspection frequencies, and the planned inspection and sampling frequencies for 2023.

Permittee	POTW Sampling Frequency			Inspection Frequency	
	Performed 2022	Planned 2023	Split Sampling?	Performed 2022	Planned 2023
A&R Aviation	1	1	Not performed	1	1
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	1	1
Roy's Designs, Inc.	0	0	Not performed	1	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 2022 compliance and enforcement activity The following table lists the industrial users (permitted and unpermitted) that required enforcement in 2022. A narrative description of the violation follows. Results of permitted industrial users monitoring and significant noncompliance (SNC) review are included in pages 8.1 – 8.10. Crown Cork and Seal was in SNC for Technical Review Criteria of monthly average manganese limit violations for the first reporting period of 2022.

Industrial User	Address	Jurisdiction	Date of violation notice and type of violation	Enforcement Action
Georgia Pacific	1203 Fones Rd SE	Olympia	1-31-2022 Section 2.1 of Permit OL-001	Verbal warning
Crown Cork and Seal	1202 Fones Road SE	Olympia	2-11-2022 Section 2.1 of Permit OL-002	Letter of Violation
International Paper	7727 Union Mills Rd SE	Lacey	2-28-2022 Section 2.1 of Permit LA-003	Verbal Warning
Crown Cork and Seal	1202 Fones Road SE	Olympia	4-11-2022 Section 2.1, and 1.3 of Permit OL-002	Notice of Violation
Crown Cork and Seal	1202 Fones Road SE	Olympia	5-24-2022 Section 2.1, and 1.3 of Permit OL-002	Notice of Violation
Plaza Jalisco	5212 Capitol Blvd SE	Olympia	6-13-2022 Section 6.7 of the LOTT regulations	Letter of Violation
Port Taco Truck and Cantina	2521 Marvin Rd. NE A	Lacey	7-21-2022 Section 6.7 of the LOTT regulations	Letter of Violation
Crown Cork and Seal	1202 Fones Road SE	Olympia	7-12-2022 Section 2.1 of Permit OL-002	Compliance Order
Thurston County Waste and Recovery Center	2418 Hogum Bay Rd NE	Lacey	7-12-2022 Section 2.1 of Permit LA-004	Written Warning
Crown Cork and Seal	1202 Fones Road SE	Olympia	9-7-2022 Section 2.1 of Permit OL-002	Notice of Violation
Crown Cork and Seal	1202 Fones Road SE	Olympia	9-7-2022 Section 2.1 of Permit OL-002	Notice of Violation
Crown Cork and Seal	1202 Fones Road SE	Olympia	10-27-2022 Section 1.4 of Permit OL-002	Letter of Violation

Georgia Pacific

Georgia Pacific was issued verbal warnings on 2/11/2022 and 2/18/2022, for failing to submit analytical results for total suspended solids, and oil and grease. The results were not submitted with the January discharge monitoring report due to laboratory error. Georgia Pacific switched contract laboratories as a corrective action.

Crown Cork and Seal

LOTT sent Crown Cork and Seal a Letter of Violation on 2/22/2022, for failure to monitor pH for six consecutive days in January. Crown Cork and Seal was required to submit a written

response detailing corrective action they would take to remedy the violation, and the date it would be implemented.

City of Olympia sent Crown Cork and Seal a Notice of Violation on 4/11/2022, for failure to monitor effluent pH for two consecutive days, exceeding flow limits for five days, and exceeding the average monthly discharge limit for oil and grease in March. Crown Cork and Seal was required to submit a written response the detailing corrective action they would take to remedy the violation, and the date it would be implemented.

City of Olympia sent Crown Cork and Seal a Notice of Violation on 5/24/2022, for failure to resample oil and grease and submit the results to LOTT within thirty days of becoming aware of the violation. Crown Cork and Seal was required to submit a written response the detailing corrective action they would take to remedy the violation, and the date it would be implemented.

City of Olympia sent Crown Cork and Seal a Compliance Order on 7/12/2022, requiring the installation of a redundant pH monitoring system. The order was in response to violation for failure to monitor pH limit on May 30, 2022. At this time, Crown Cork and Seal was notified that it was in SNC for monthly average discharge limit violations of manganese for the fourth reporting period of 2021, and first reporting period of 2022. Crown was provided with the data used to determine SNC and allowed the opportunity to comment. Crown did not contest the determination and a public notice was posted on October 30, 2023.

City of Olympia sent Crown Cork and Seal a Notice of Violation on 9/7/2022, for pH limit violations, failure to report an unusual discharge, and failure to provide 24-hour notification of a discharge limit violation. Crown Cork and Seal provided a written corrective action detailing what will be done in the future to prevent reporting violations. However, since Crown Cork and Seal had been issued a compliance order, and the final compliance date of the order had not been reached, no additional action regarding the pH limit violations was required.

LOTT sent Crown Cork and Seal a Letter of Violation on 10/27/2022, for exceeding flow limits.

International Paper

International Paper was issued a verbal warning on 2/28/2022, for failing to submit analytical results for biochemical oxygen demand (BOD). International Paper submitted results for BOD, however the results were invalid because they were analyzed outside the allowable holding time.

Plaza Jalisco

LOTT sent Plaza Jalisco a Letter of Violation on June 13, 2022, for failure to submit a report of the most recent grease interceptor pump-out.

Port Taco Truck and Cantina

LOTT sent Port Taco Truck and Cantina a Letter of Violation on June 13, 2022, for failure to complete an Industrial User Survey.

Thurston County Waste and Recovery Center

LOTT issued Thurston County Waste and Recovery Center a written warning on August 24, 2022, for failure to monitor effluent flow from an outfall for ten days.

POTW INTERFERENCE OR PROBLEMS

The following section details instances of POTW interference or operational problems that were directly related to discharges from industrial users.

From May 2022 to July 2022, LOTT experienced an unusual discharge of pulp-like solids that accumulated in the plant headworks. The material was a pulpy gray floating mass that was first observed in late May 2022. Initial microscopic laboratory analysis identified the material as some type of plant matter, possibly wood or paper pulp. It was made up of many small fibers of similar size and appearance, which could indicate wood or plant matter that was ground up and discharged. Samples of the material were later sent to a contract laboratory for wood fiber analysis and species percentage determination. The results showed the material consisted of equal proportions of bleached Kraft softwood and hardwood fibers, and did not appear to be corrugate. It is likely the discharge was from an industrial or commercial facility since the material appeared only during the work week.

LOTT first investigated the discharge by contacting permitted industrial users International Paper and Georgia Pacific to determine if they could be the source of the waste. They were eliminated as a likely source because all of their waste passes first through a wastewater treatment system. LOTT next conducted inspections of facilities that may have wood onsite such as landscaping suppliers and pallet recyclers. These inspections did not identify the source and the waste material continued to be observed in the plant headworks. LOTT then inspected cannabis producers/processors. The facilities inspected had good waste management practices and all of their plant waste was disposed in dumpsters as required by state law. LOTT contacted paper recycling facilities and learned that they were paid by weight for paper so we determined they were unlikely to be the source of the waste.

The type of waste indicated that the source was from a paper pulping company. However, there are no known paper pulping companies in LOTT's service area. In July 2022, LOTT posted a public notice in the local paper and on LOTT's Facebook page requesting help and offering a $1000 reward for any information leading to identification of the waste. We received numerous tips, however none led to the source. The unusual discharges ceased shortly after the public notice was issued.

The discharge did not result in any NPDES permit violations.

Pulpy mass in Budd Inlet Treatment Plant headworks

RESOURCE SUMMARY

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

LINE ITEM	BUDGETED	
	2022	**2023**
Salaries	$ 198,005	$ 213,566
Benefits	$ 84,244	$ 92,095
Operating Supplies, Small Tools & Equip, Safety Equip, & Specialty Materials	$ 7,000	$ 8,500
Clothing	$ 1,500	$ 1,600
Books & Manuals	$ 300	$ 400
Office Equipment	$ 3,000	$ 2,500
Professional Services	$ 9,500	$ 10,000
Mobile Phones	$ 250	$ 250
Per Diem, Lodging, Mileage, Airfare, & Parking	$ 3,400	$ 2,050
Advertising	$ 800	$ 600
Training Registration & Certification Fees	$ 2,500	$ 1,500
Printing & Binding	$ 500	$ 500
Postage	$ 200	$ 400
TOTAL	**$311,199**	**$ 333,461**

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.

* At least 60% of the Salaries and Benefits line items are dedicated to 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

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ORDINANCE AND RESOLUTION

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TABLE ONE

NON-PERMITTED MINOR INDUSTRIAL USER INSPECTIONS		
Facility Name	**Jurisdiction**	**Inspection Date**
Top Solids Surface	Lacey	1/11/2022
Empire Packing	Lacey	3/18/2022
Flair Packaging	Lacey	3/25/2022
Hummingbird Precision Machine Co.	Lacey	4/4/2022
Dart	Lacey	6/9/2022
Home Depot #5650 Distribution Center	Lacey	6/9/2022
Whole Foods Distribution Center	Lacey	6/9/2022
Signarama	Lacey	7/8/2022
Home Depot by DHL	Lacey	7/8/2022
Tri-City Meats	Olympia	7/8/2022
Girard Wood Products	Lacey	7/12/2022
Whole Foods Distribution Center	Lacey	7/14/2022
VSPOne	Lacey	7/19/2022
Artizen Cannabis Company	Lacey	7/26/2022
Sherwood Forest Farms	Tumwater	7/28/2022
South Puget Sound Community College	Olympia	8/4/2022
VSPOne	Lacey	9/22/2022
VSPOne	Lacey	10/26/2022
Valvoline Instant Oil Change	Lacey	12/12/2022

TABLE TWO

DENTAL OFFICE FACILITY INSPECTIONS		
Facility Name	**Jurisdiction**	**Inspection Date**
Olympia Dental Center	Tumwater	3/15/2022
Comfort Dental	Lacey	3/21/2022
Tranquility Dental	Lacey	3/22/2022
Tranquility Dental	Tumwater	3/29/2022
Russell and Bode Family Dentistry	Olympia	4/18/2022
Bright Now! Dental	Olympia	4/26/2022
Olympia Dental Group	Lacey	5/19/2022
Small To Tall Pediatric Dentistry	Olympia	5/23/2022
Lacey Modern Dentistry	Lacey	5/25/2022
Tirrell Endodontics	Olympia	6/10/2022
Karl Hoffman Dentistry	Lacey	6/22/2022
College Street Dental	Lacey	6/23/2022
West Olympia Pediatric Dentistry	Olympia	7/6/2022
Deschutes River Dentistry	Tumwater	7/6/2022
Olympia Smiles Dentistry	Olympia	10/11/2022
Meridian Campus Family Dental	Lacey	10/27/2022
Gunderson Dental Care	Tumwater	10/31/2022
O'Brien Dentistry	Olympia	11/9/2022
Carey V Lasley DDS	Olympia	11/9/2022
Hawks Prairie Pediatric Dentistry	Lacey	11/14/2022
Olympia Prosthodontics & Cosmetic Dentistry	Olympia	11/15/2022
Lacey Smiles Dental	Lacey	11/16/2022
Capital Family Dentistry	Olympia	11/22/2022
Smith & Blackner, PLLC dba Nisqually Reach Family Dentistry	Lacey	11/22/2022
Leah Olson DMD Cosmetic and Family Dentistry	Olympia	12/6/2022
Olympia Pediatric Dentistry	Olympia	12/29/2022

TABLE THREE

FOOD SERVICE ESTABLISHMENT FACILITY INSPECTIONS		
Facility Name	**Jurisdiction**	**Inspection Date**
Beerwerks Mobile Food Vendor	Olympia	1/6/2022
Chipotle	Lacey	2/10/2022
Don Garcia's Mexican Restaurant	Lacey	3/3/2022
Papa Murphy's	Lacey	3/22/2022
Taylor Ray's	Olympia	3/24/2022
Airport Shell	Tumwater	3/31/2022
Tanglewilde Arco	Lacey	3/31/2022
Ram Bighorn Brewery	Lacey	4/1/2022
Albertsons Pacific Ave SE	Olympia	4/12/2022
Red Robin Gourmet Burgers - Lacey	Lacey	4/12/2022
KFC	Tumwater	4/13/2022
Ram Bighorn Brewery	Lacey	4/13/2022
Plaza Jalisco	Tumwater	4/13/2022
Albertsons Pacific Ave SE	Olympia	4/27/2022
Andy's Bistro	Lacey	5/3/2022
Fortune Casino & Restaurant	Lacey	5/3/2022
Starbucks Coffee #54377	Tumwater	5/3/2022
The Port Taco Truck & Catina	Lacey	5/3/2022
Starbucks #62312	Tumwater	5/3/2022
Starbucks #383	Tumwater	5/3/2022
Domino's	Tumwater	5/3/2022
Ram Bighorn Brewery	Lacey	5/4/2022
Silvers Saloon	Olympia	5/12/2022
Schwartz's	Olympia	5/12/2022
Da Nang Restaurant	Olympia	5/19/2022
Kokos by Valentina	Olympia	5/19/2022
Silverio's Mexican Kitchen	Olympia	5/19/2022
Subway - Martin	Olympia	5/19/2022
Nou Thai Street Food	Olympia	5/19/2022
Ram Bighorn Brewery	Lacey	5/25/2022
Olympia Hotel at Capitol Lake	Olympia	6/7/2022
Herfy's Burger	Olympia	6/10/2022
Olympia Hotel at Capitol Lake	Olympia	6/14/2022
Lacey RAC / Rod Knock Concessions	Lacey	6/17/2022
Northwest Crossroads	Lacey	6/29/2022
El Sitio	Olympia	7/26/2022
Jimmy John's	Olympia	8/19/2022
Applebee's Neighborhood Grill (Capital Mall)	Olympia	10/4/2022
City Picnics	Olympia	10/5/2022
NW Crossroads	Lacey	10/6/2022
Jack In The Box #8424	Olympia	10/6/2022
Puerto Vallarta Restaurant	Lacey	10/12/2022

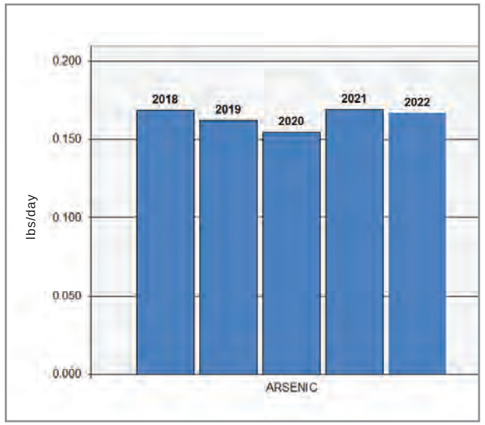
TABLE THREE CONTINUED

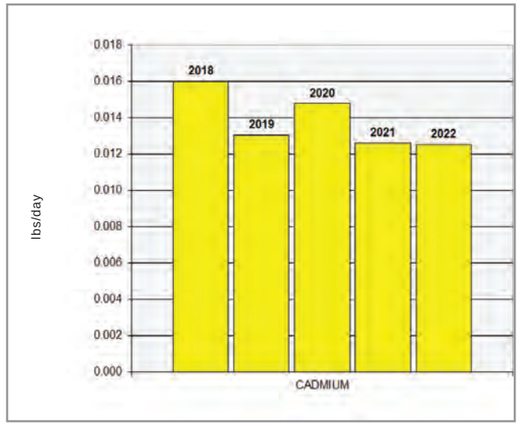
FOOD SERVICE ESTABLISHMENT FACILITY INSPECTIONS		
Facility Name	**Jurisdiction**	**Inspection Date**
KFC	Lacey	10/13/2022
Bonsai Teriyaki	Tumwater	10/20/2022
Brewery City Pizza Co Capitol Blvd SE	Tumwater	10/20/2022
Fred Meyer	Lacey	11/10/2022
Chick-Fil-A	Lacey	11/10/2022
Regal Martin Village	Lacey	11/10/2022
WinCo Foods #102	Lacey	11/10/2022
Olive Garden Italian Restaurant #1448	Olympia	11/17/2022
El Sarape II	Lacey	11/17/2022
IHOP Restaurant	Olympia	11/23/2022
Five Guys Burgers	Olympia	11/23/2022
Burger King #3463	Olympia	11/23/2022
The Port Taco Truck & Catina	Lacey	12/9/2022

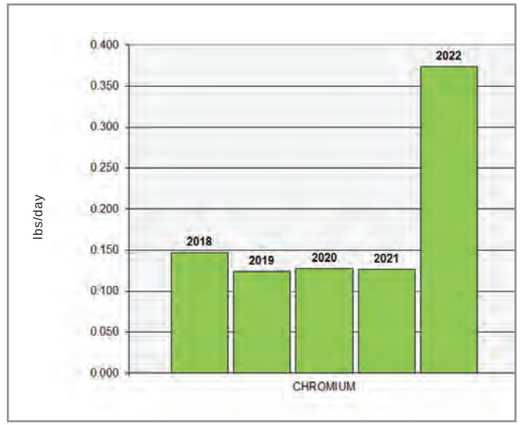
TABLE FOUR

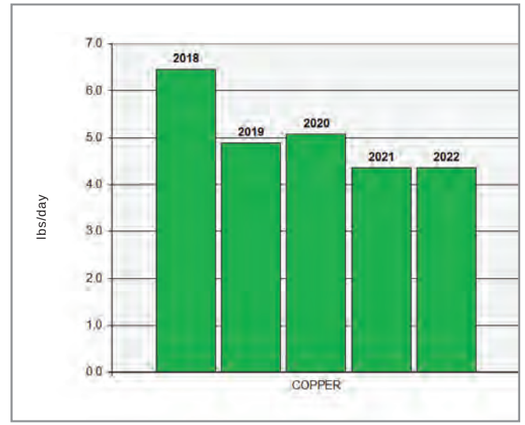
JOINT FACILITY INSPECTIONS		
Facility Name	**Jurisdiction**	**Inspection Date**
Top Solids Surface	Lacey	1/11/2022
Olympia Dental Center	Tumwater	3/15/2022
Tranquility Dental	Tumwater	3/29/2022
Airport Shell	Tumwater	3/31/2022
KFC	Tumwater	4/13/2022
Plaza Jalisco	Tumwater	4/13/2022
Starbucks Coffee #54377	Tumwater	5/3/2022
Starbucks #62312	Tumwater	5/3/2022
Starbucks #383	Tumwater	5/3/2022
Domino's	Tumwater	5/3/2022
Silvers Saloon	Olympia	5/12/2022
Small To Tall Pediatric Dentistry	Olympia	5/23/2022
Olympia Hotel at Capitol Lake	Olympia	6/14/2022
Lacey RAC / Rod Knock Concessions	Lacey	6/17/2022
VSPOne	Ecology	7/19/2022
Hella Loud	Tumwater	7/25/2022
Sherwood Forest Farms	Tumwater	7/28/2022
VSPOne	Ecology	9/22/2022
Bonsai Teriyaki	Tumwater	10/20/2022
Brewery City Pizza Co Capitol Blvd SE	Tumwater	10/20/2022
VSPOne	Lacey	10/26/2022
Gunderson Dental Care	Tumwater	10/31/2022
Nisqually Reach Family Dentistry	Ecology	11/22/2022
Valvoline Instant Oil Change	County	12/12/2022

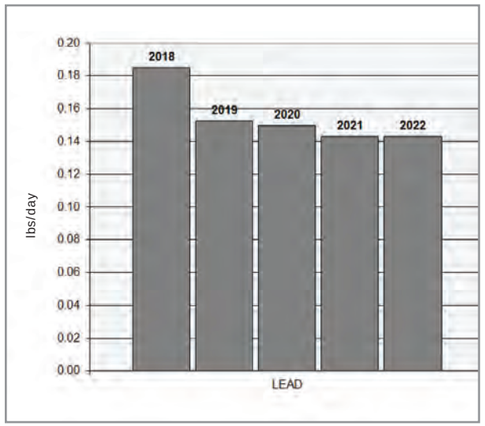
BUDD INLET TREATMENT PLANT
INFLUENT METALS LOADING TRENDS 2018-2022

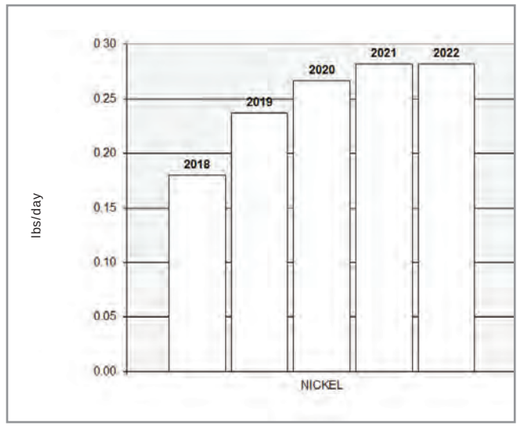


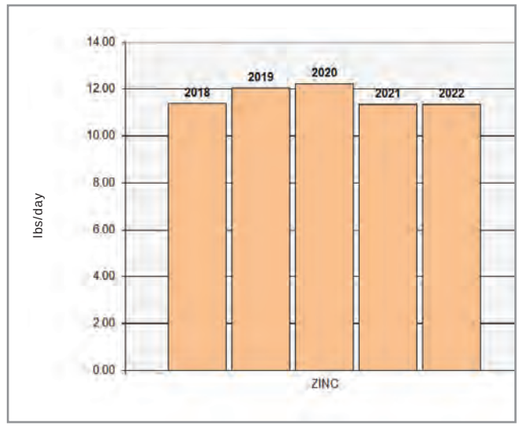


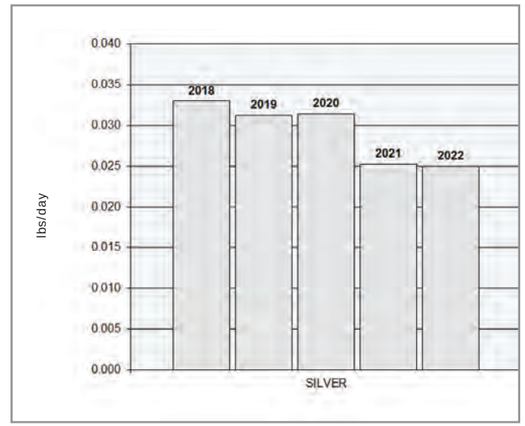


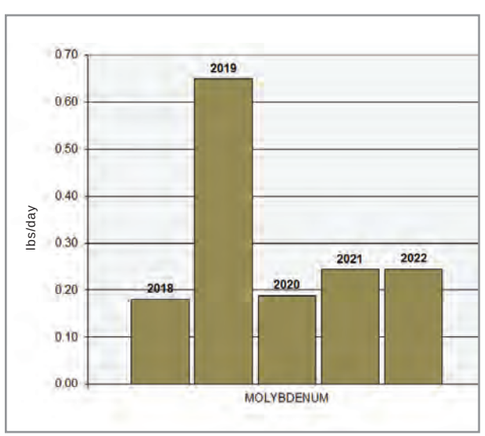


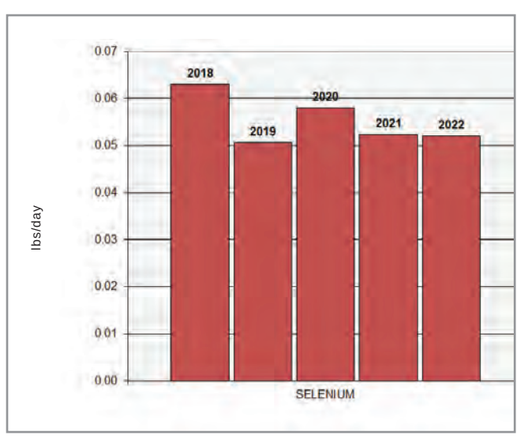


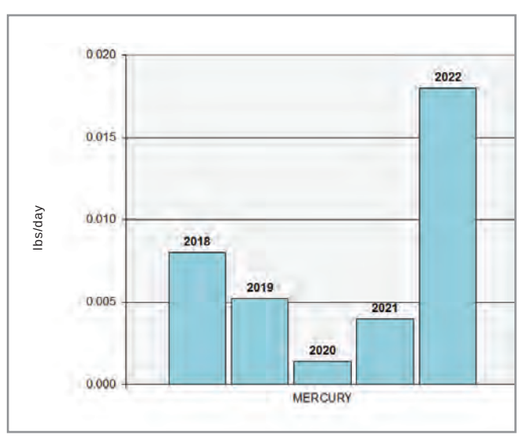




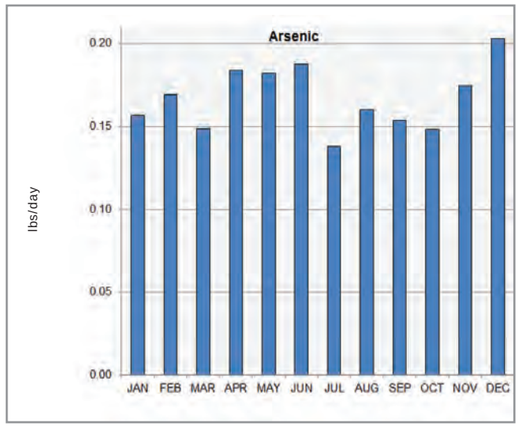


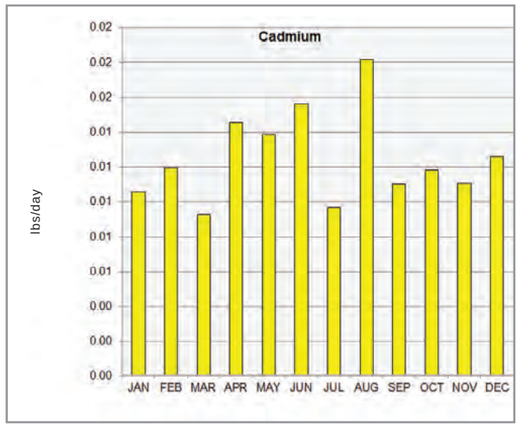


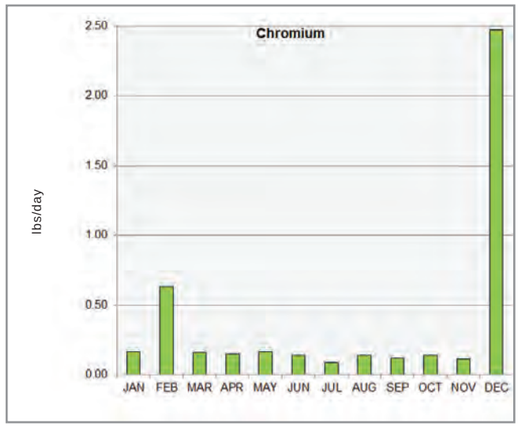


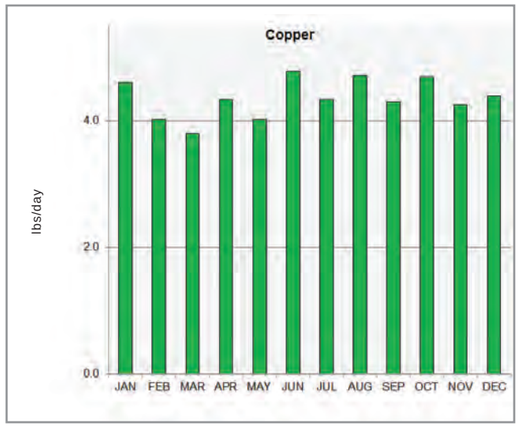


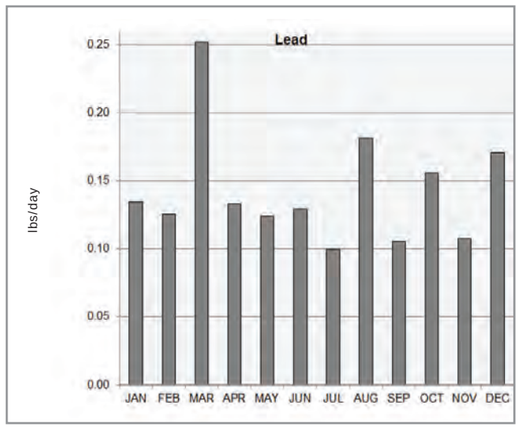
BUDD INLET TREATMENT PLANT
INFLUENT METALS LOADINGS JANUARY-DECEMBER 2022

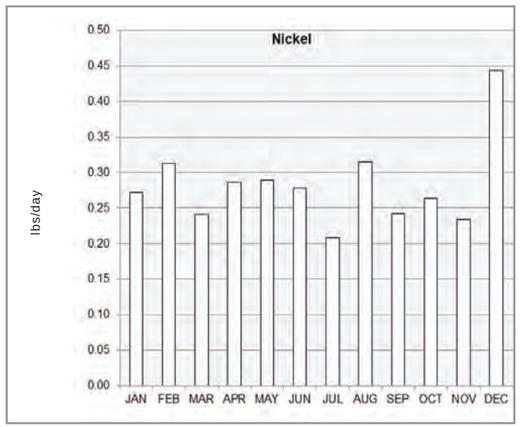


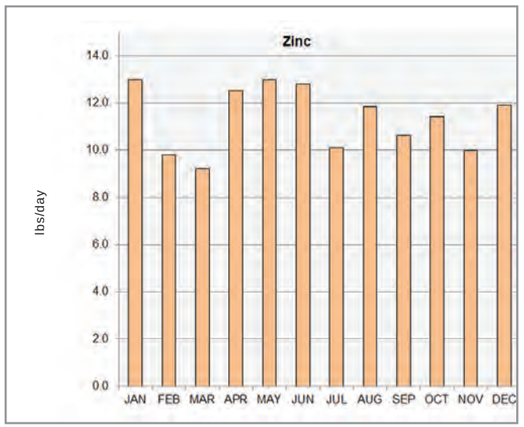


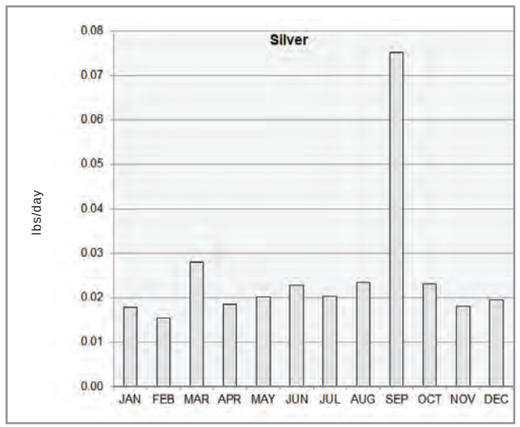


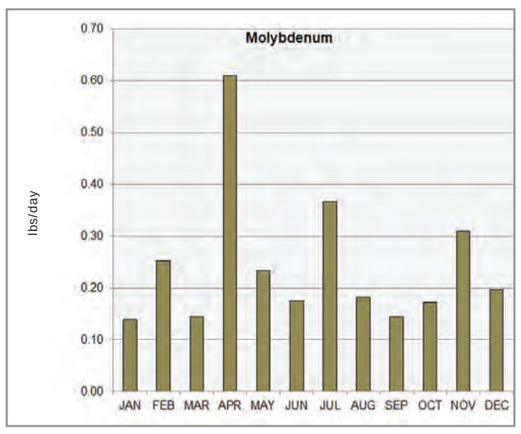


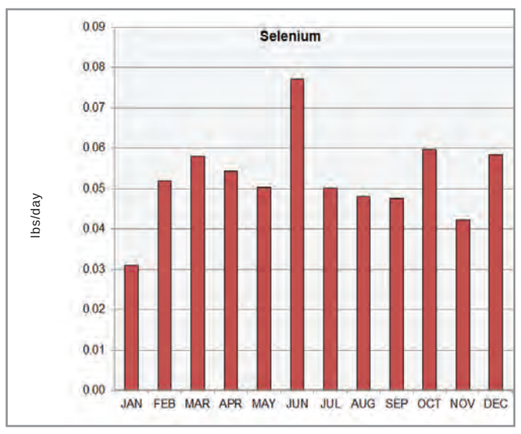


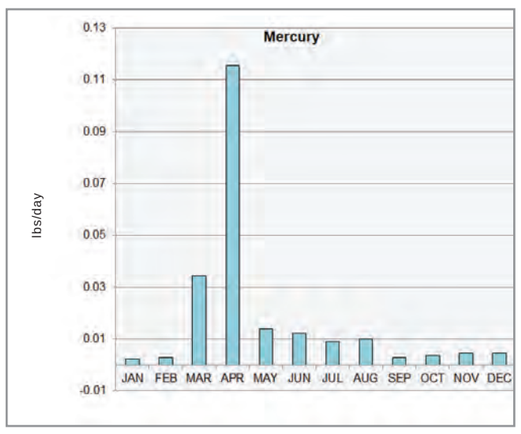




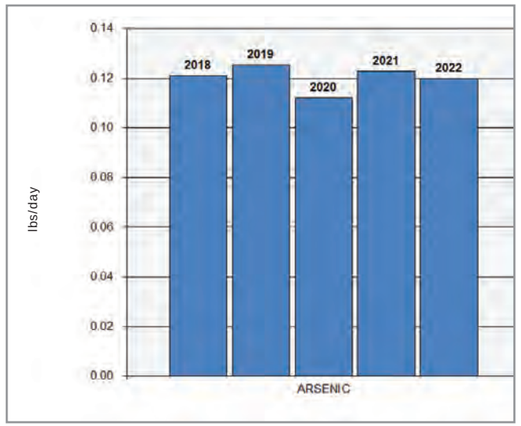


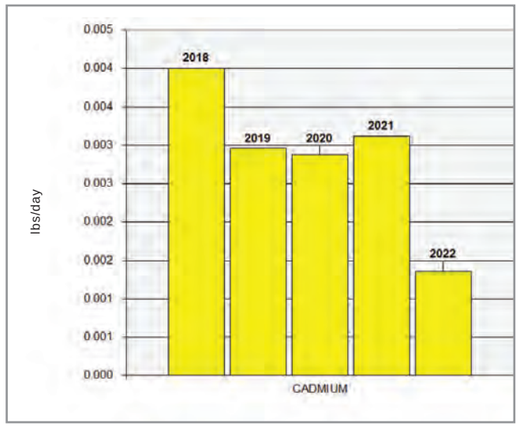


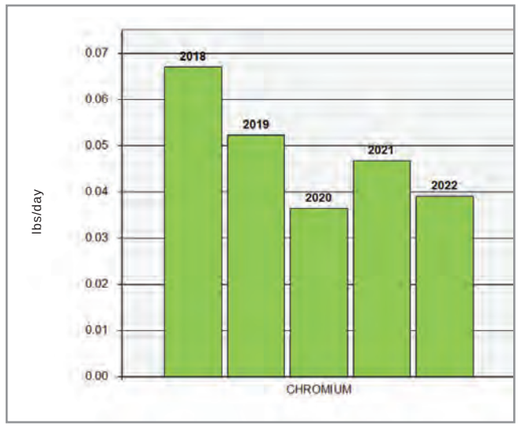


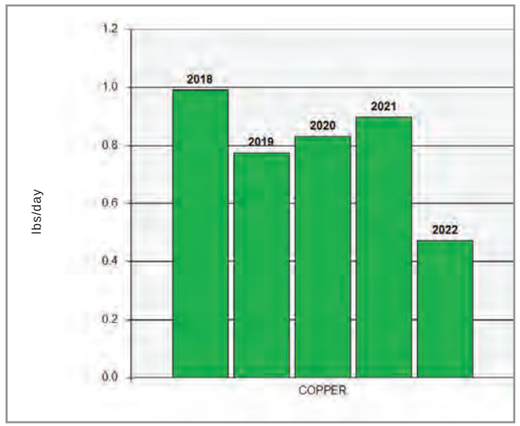


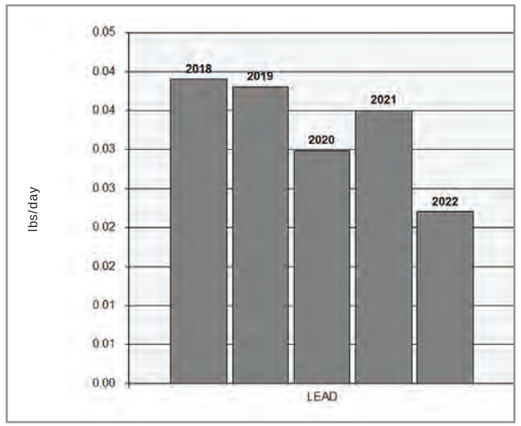
BUDD INLET TREATMENT PLANT
FINAL EFFLUENT METALS LOADING TRENDS 2018-2022

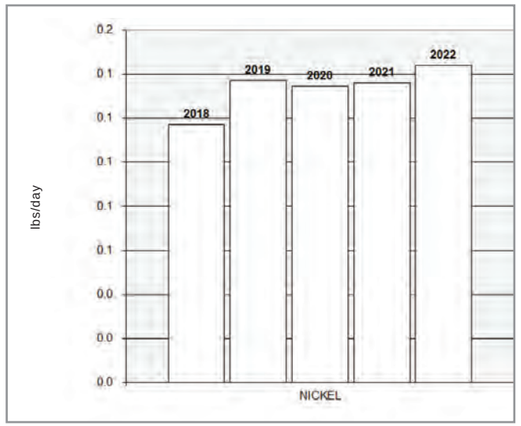


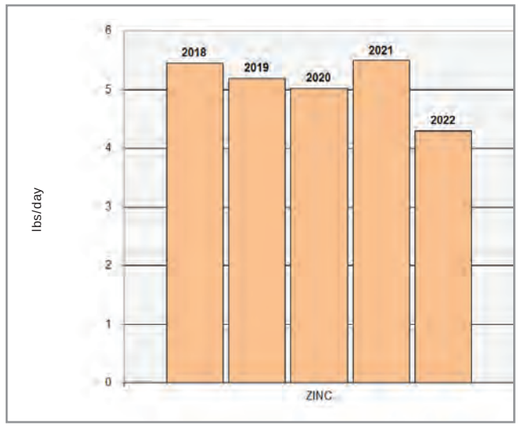


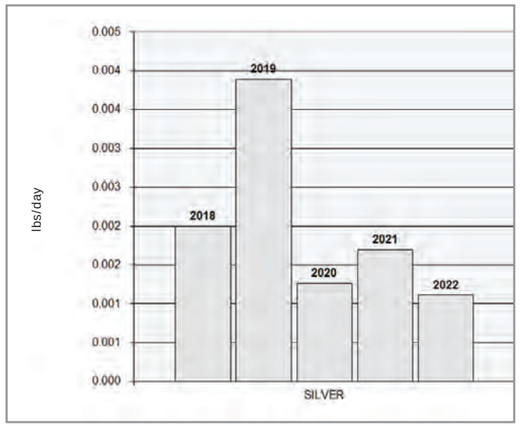


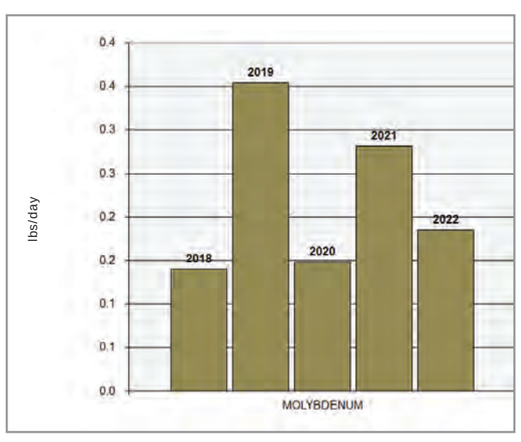


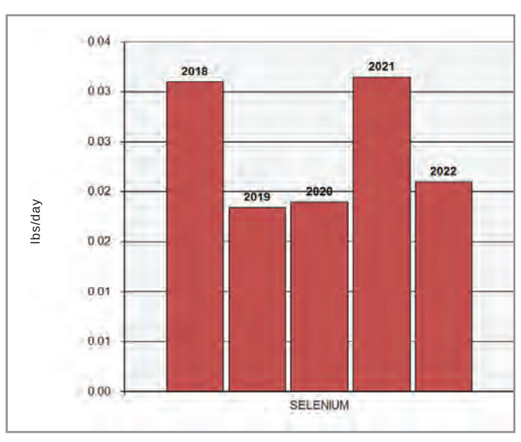


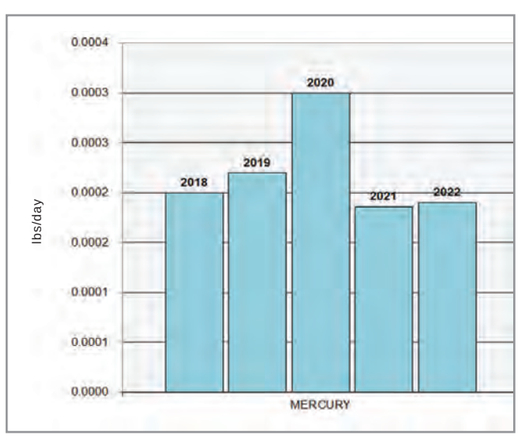




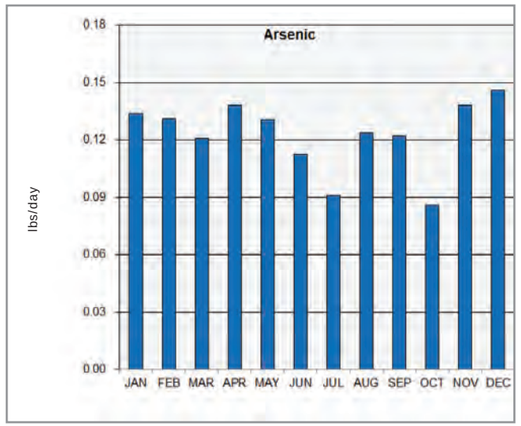


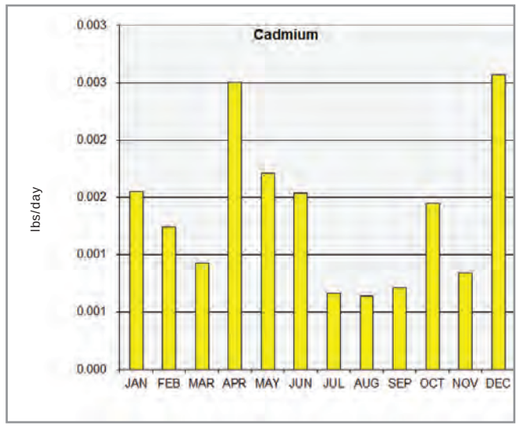


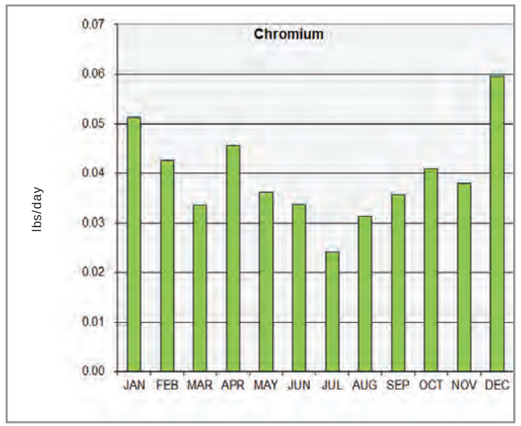


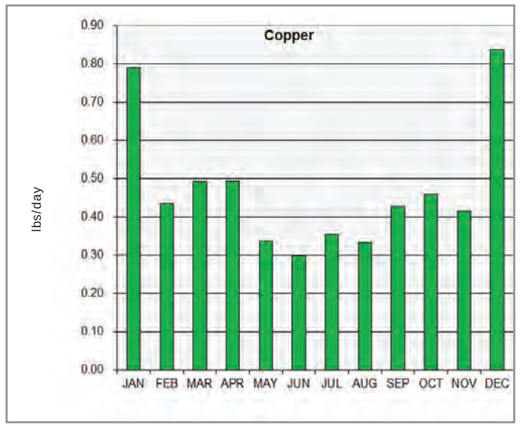


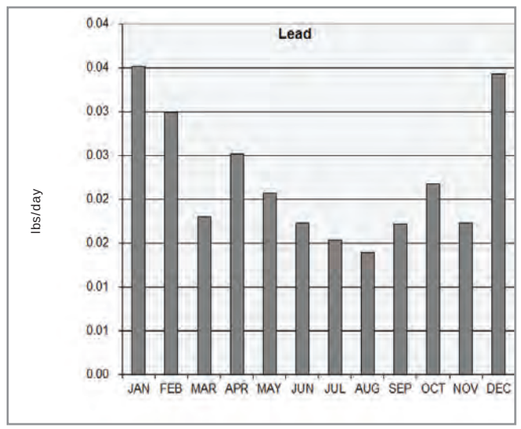
BUDD INLET TREATMENT PLANT
FINAL EFFLUENT METALS LOADINGS JANUARY-DECEMBER 2022

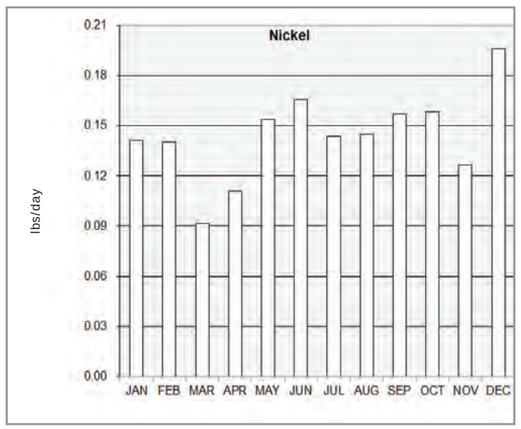


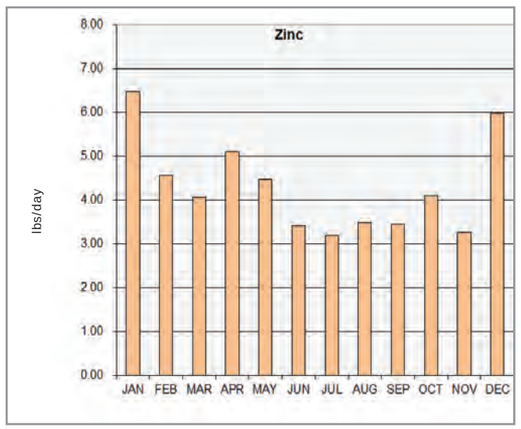


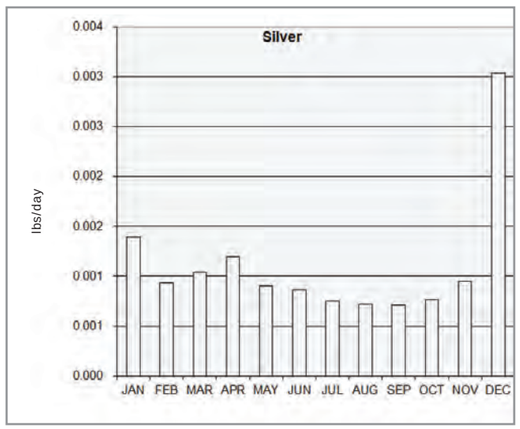


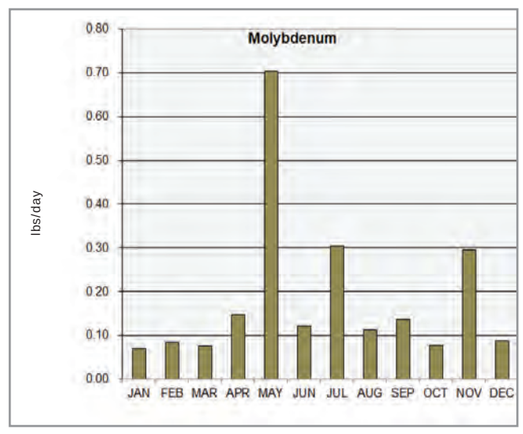


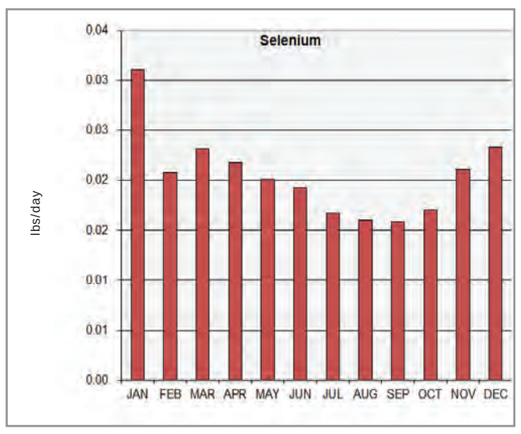


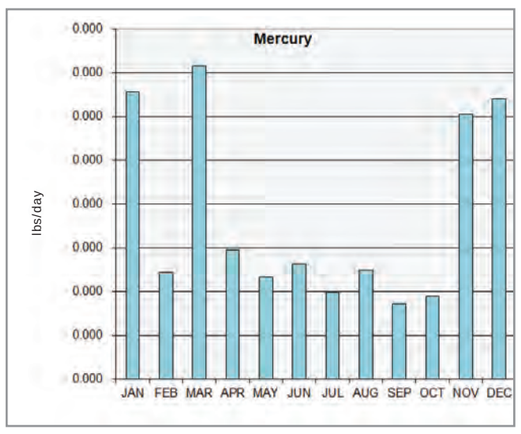




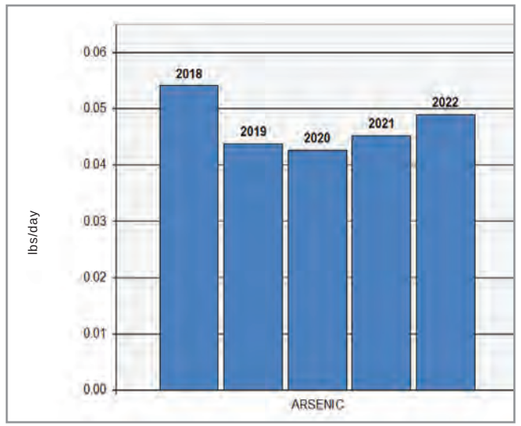


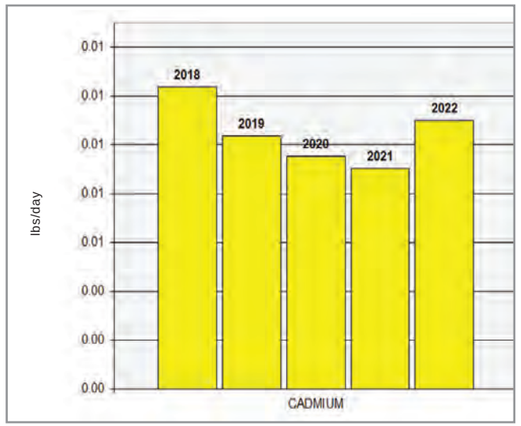


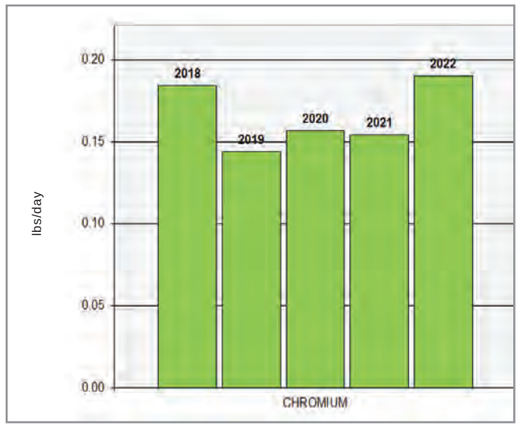


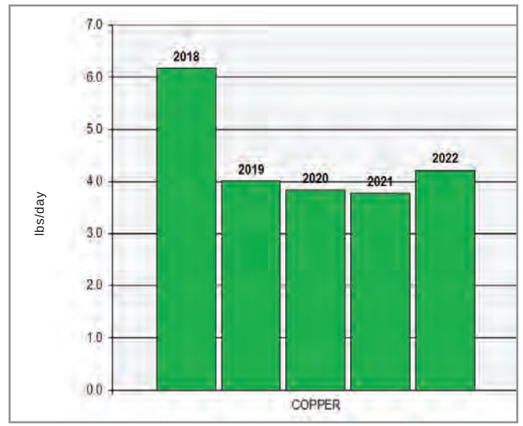


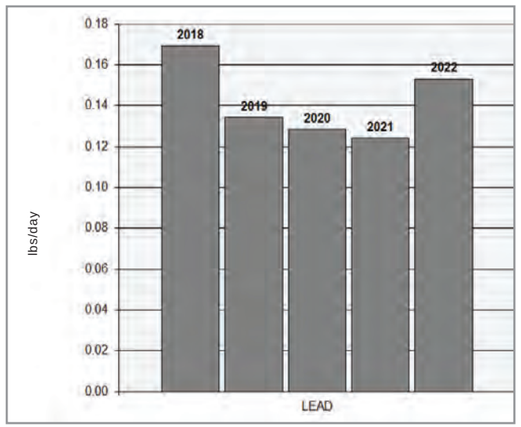
BUDD INLET TREATMENT PLANT
BIOSOLIDS METALS LOADING TRENDS 2018-2022

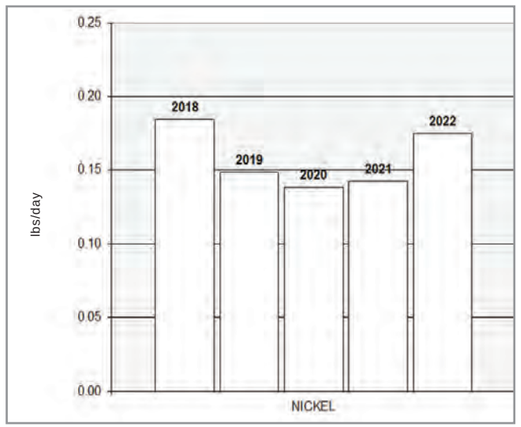


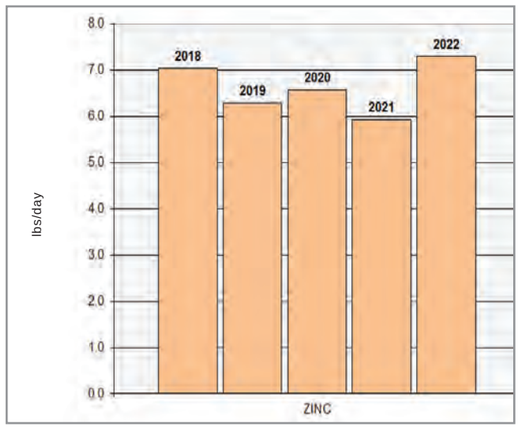


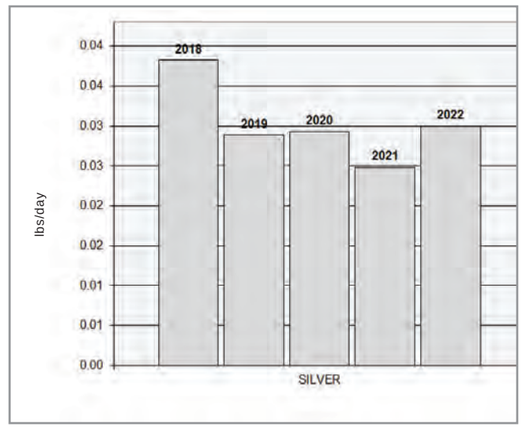


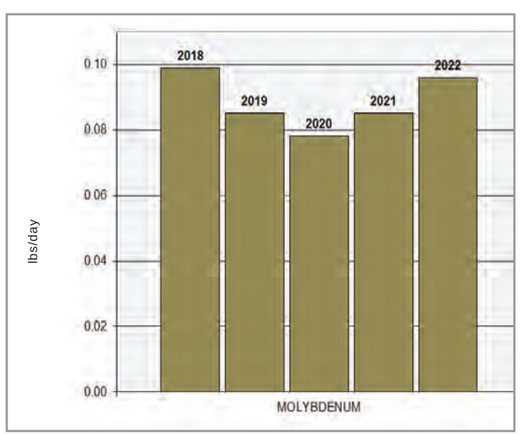


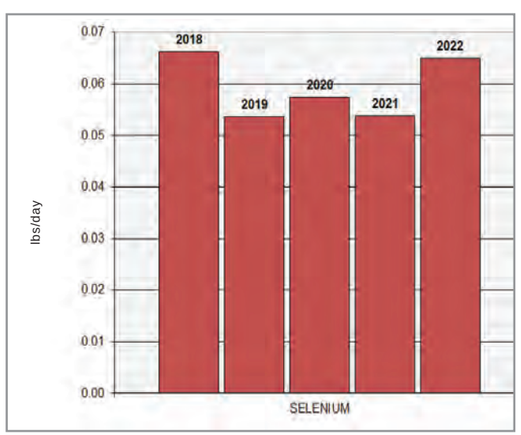


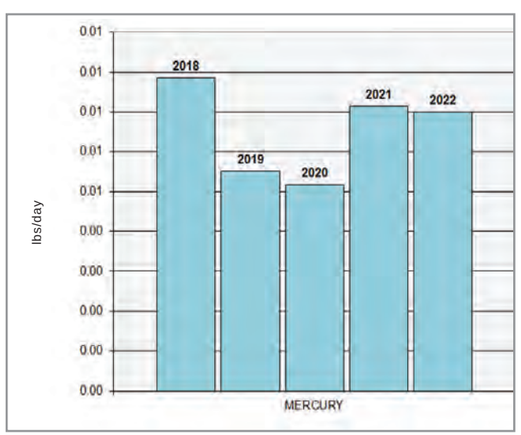




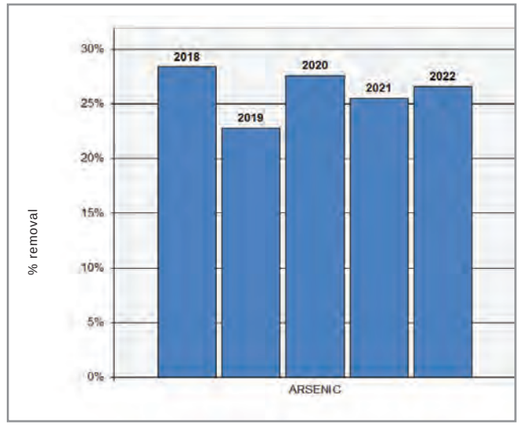


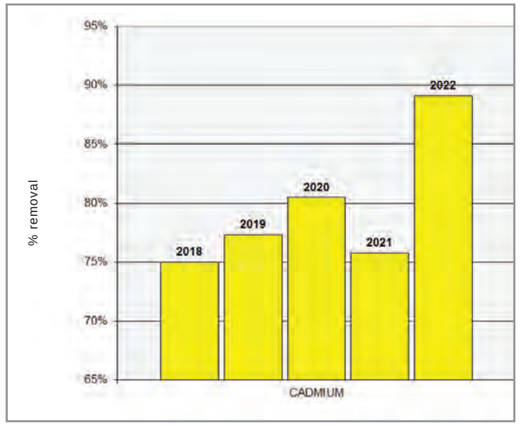


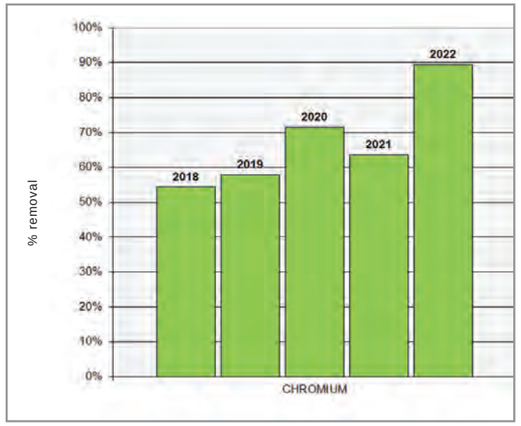


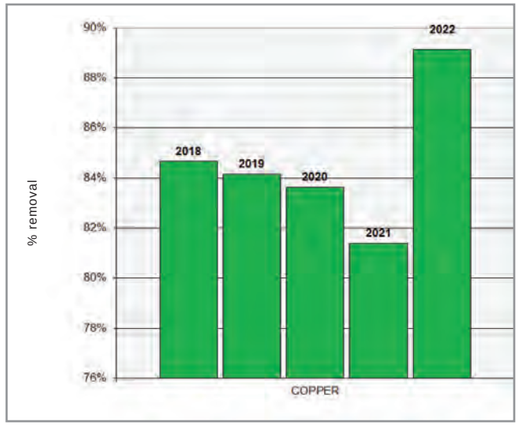


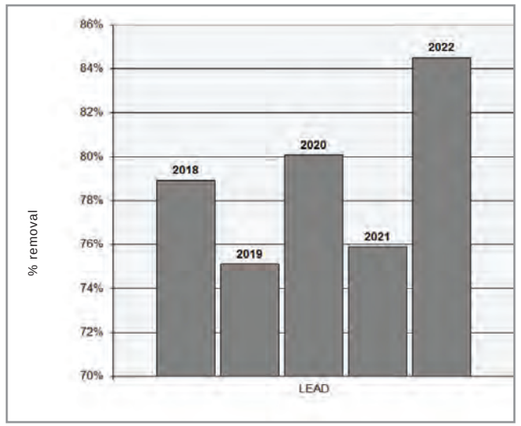
BUDD INLET TREATMENT PLANT
REMOVAL EFFICIENCY TRENDS 2018-2022

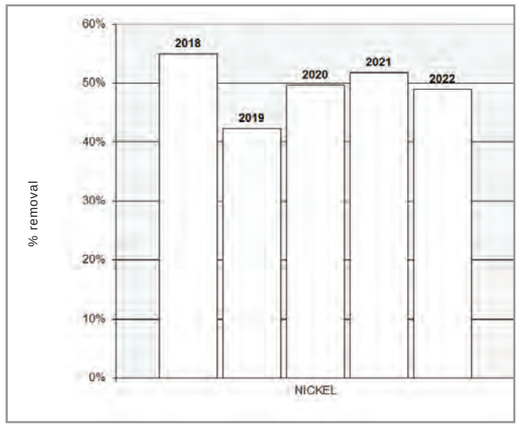


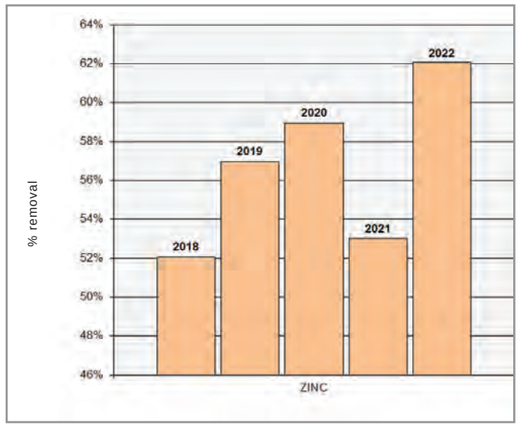


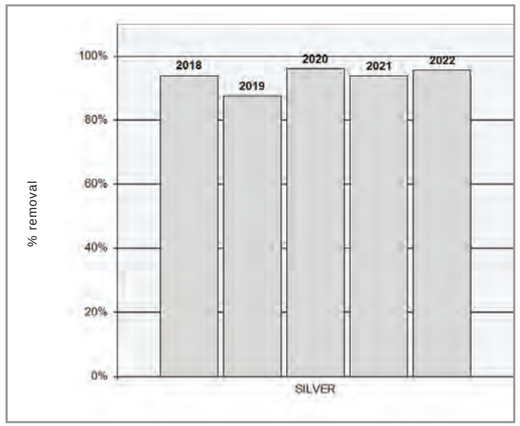


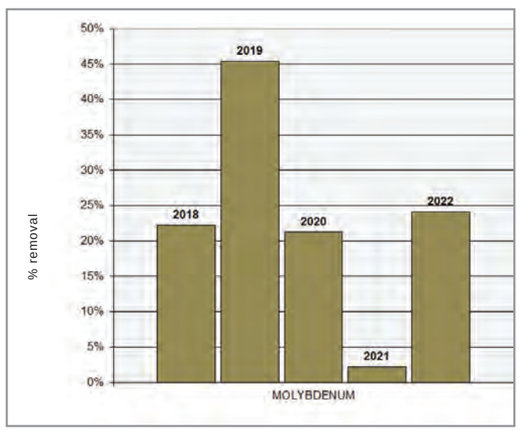


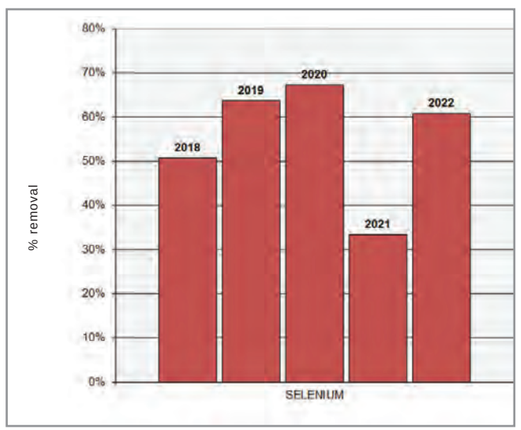


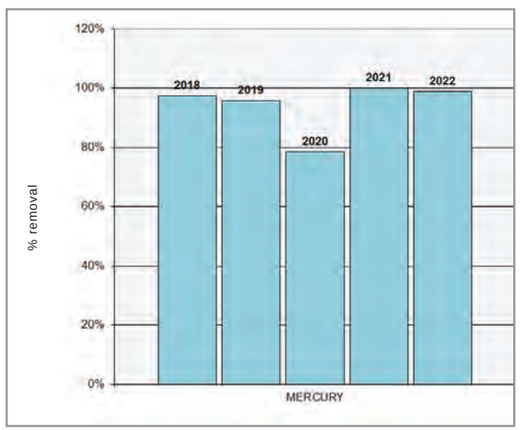












BUDD INLET WASTEWATER TREATMENT PLANT SAMPLING

The following pages contain priority pollutant metals data for plant influent, final effluent and biosolids.
Removal percentages are listed below.
Unless otherwise noted, for purposes of determining removal efficiencies, detection limit values are used for non-detect results.

POLLUTANT ANALYSES FOR PLANT INFLUENT

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	18.64	0.413	0.064	1.01	0.157	0.005 J	0.0008 J	0.068	0.011	1.06	0.165	29.6	4.60	0.867	0.135	15.6	0.002	0.90	0.140	1.75	0.272	0.2 J	0.03 J	0.115	0.018	0.009 U	0.0014 J	83.6	13.0
FEB	12.46	0.489	0.051	1.63	0.169	0.007 J	0.0007 J	0.115	0.012	6.06	0.630	38.7	4.02	1.21	0.126	28.6	0.003	2.43	0.253	3.01	0.313	0.5 J	0.05 J	0.149	0.015	0.009 U	0.0009 J	94.3	9.80
MAR	13.91	0.429	0.050	1.28	0.148	0.011 J	0.0013 J	0.080	0.009	1.38	0.160	32.7	3.79	2.17	0.252	297	0.034	1.25	0.145	2.08	0.241	0.5 J	0.06 J	0.241	0.028	0.009 U	0.0010 J	79.4	9.21
APR	13.05	0.591	0.064	1.69	0.184	0.008 J	0.0009 J	0.134	0.015	1.38	0.150	39.8	4.33	1.22	0.133	1060	0.115	5.60	0.609	2.63	0.286	0.5 J	0.05 J	0.171	0.019	0.032	0.003	115	12.5
MAY	12.06	0.485	0.049	1.81	0.182	0.008 J	0.0008 J	0.138	0.014	1.67	0.168	40.0	4.02	1.23	0.124	138	0.014	2.33	0.234	2.88	0.290	0.5 J	0.05 J	0.200	0.020	0.009 U	0.0009 J	129	13.0
JUN	11.55	0.601	0.058	1.95	0.188	0.008 J	0.0008 J	0.162	0.016	1.44	0.139	49.7	4.79	1.34	0.129	126	0.012	1.82	0.175	2.89	0.278	0.8 J	0.08 J	0.237	0.023	0.019 J	0.0018 J	133	12.8
JUL	10.01	0.452	0.038	1.65	0.138	0.005 U	0.0004 J	0.116	0.010	1.07	0.089	52.0	4.34	1.19	0.099	111	0.009	4.39	0.366	2.50	0.209	0.6 J	0.05 J	0.244	0.020	0.009 U	0.0008 J	121	10.1
AUG	9.61	0.722	0.058	2.00	0.160	0.011 J	0.0009 J	0.227	0.018	1.77	0.142	58.9	4.72	2.26	0.181	126	0.010	2.28	0.183	3.93	0.315	0.6 J	0.05 J	0.293	0.023	0.009 U	0.0007 J	148	11.9
SEP	9.51	0.659	0.052	1.94	0.154	0.005 U	0.0004 J	0.139	0.011	1.49	0.118	54.3	4.31	1.33	0.105	36.3	0.003	1.82	0.144	3.05	0.242	0.6 J	0.05 J	0.948	0.075	0.009 U	0.0007 J	134	10.6
OCT	10.21	0.687	0.058	1.74	0.148	0.008 J	0.0007 J	0.139	0.012	1.64	0.140	55.2	4.70	1.83	0.156	43.1	0.004	2.02	0.172	3.10	0.264	0.7 J	0.06 J	0.272	0.023	0.009 J	0.0008 J	134	11.4
NOV	12.64	0.504	0.053	1.66	0.175	0.005 J	0.0005 J	0.105	0.011	1.07	0.113	40.4	4.26	1.02	0.108	42.9	0.005	2.93	0.309	2.22	0.234	0.4 J	0.04 J	0.172	0.018	0.009 U	0.0009 J	94.6	10.0
DEC	14.00	0.640	0.075	1.74	0.203	0.006 J	0.0007 J	0.108	0.013	21.2	2.48	37.6	4.39	1.46	0.170	38.1	0.004	1.68	0.196	3.80	0.444	0.5 J	0.06 J	0.167	0.019	0.009 U	0.0011 J	102	11.9
MAX	18.64	0.722	0.075	2.00	0.203	0.011 J	0.0013 J	0.227	0.018	21.2	2.48	58.9	4.79	2.26	0.252	1060	0.115	5.60	0.609	3.93	0.444	0.8 J	0.08 J	0.948	0.075	0.032	0.003	148	13.0
MIN	9.51	0.413	0.038	1.01	0.138	0.005 U	0.0004 J	0.068	0.009	1.06	0.089	29.6	3.79	0.867	0.099	15.6	0.002	0.90	0.140	1.75	0.209	0.2 J	0.03 J	0.115	0.015	0.009 U	0.0007 J	79.4	9.21
AVE	12.30	0.556	0.056	1.68	0.167	0.007 J	0.0007 J	0.128	0.013	3.44	0.374	44.1	4.36	1.43	0.143	172	0.018	2.45	0.244	2.82	0.282	0.5 J	0.05 J	0.267	0.025	0.012 J	0.0012 J	114	11.3

POLLUTANT ANALYSES FOR FINAL 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	18.64	0.296	0.046	0.86	0.134	0.005 U	0.0008 J	0.010 J	0.002 J	0.33	0.051	5.09	0.791	0.226	0.0351	2.11	0.00033	0.45	0.07	0.91	0.141	0.2 U	0.031 J	0.009 J	0.001 J	0.009 U	0.001 J	41.7	6.48
FEB	12.46	0.338	0.035	1.26	0.131	0.005 U	0.0005 J	0.012 J	0.001 J	0.41	0.043	4.20	0.436	0.288	0.030	1.17	0.00012	0.82	0.085	1.35	0.140	0.2 U	0.021 J	0.009 U	0.001 J	0.009 U	0.001 J	44.0	4.57
MAR	13.91	0.284	0.033	1.04	0.121	0.005 U	0.0006 J	0.008 U	0.001 J	0.29	0.034	4.24	0.492	0.155	0.018	3.09	0.00036	0.65	0.075	0.79	0.092	0.2 U	0.023 J	0.009 U	0.001 J	0.009 U	0.001 J	35.1	4.07
APR	13.05	0.315	0.034	1.27	0.138	0.005 U	0.0005 J	0.023	0.0025	0.42	0.046	4.55	0.495	0.231	0.025	1.35	0.00015	1.36	0.148	1.02	0.111	0.2 U	0.022 J	0.011 J	0.0012 J	0.018 J	0.002 J	46.9	5.10
MAY	12.06	0.311	0.031	1.30	0.131	0.005 U	0.0005 J	0.017 J	0.002 J	0.36	0.036	3.36	0.338	0.206	0.021	1.16	0.00012	6.99	0.703	1.53	0.154	0.2 U	0.020 J	0.009 U	0.0009 J	0.009 U	0.001 J	44.6	4.49
JUN	11.55	0.313	0.030	1.17	0.113	0.005 U	0.0005 J	0.016 J	0.002 J	0.35	0.034	3.10	0.299	0.179	0.017	1.37	0.00013	1.26	0.121	1.72	0.166	0.2 U	0.019 J	0.009 U	0.0009 J	0.009 U	0.001 J	35.6	3.43
JUL	10.01	0.359	0.030	1.09	0.091	0.005 U	0.0004 J	0.008 U	0.001 J	0.29	0.024	4.26	0.356	0.184	0.015	1.19	0.00010	3.65	0.305	1.72	0.144	0.2 U	0.017 J	0.009 U	0.0008 J	0.009 U	0.001 J	38.2	3.19
AUG	9.61	0.411	0.033	1.54	0.123	0.005 U	0.0004 J	0.008 U	0.001 J	0.39	0.031	4.15	0.333	0.174	0.014	1.55	0.00012	1.41	0.113	1.81	0.145	0.2 U	0.016 J	0.009 U	0.0007 J	0.009 U	0.001 J	43.5	3.49
SEP	9.51	0.381	0.030	1.54	0.122	0.005 U	0.0004 J	0.009 U	0.001 J	0.45	0.036	5.38	0.427	0.217	0.017	1.08	0.00009	1.73	0.137	1.98	0.157	0.2 U	0.016 J	0.009 U	0.0007 J	0.009 U	0.001 J	43.7	3.47
OCT	10.21	0.416	0.035	1.01	0.086	0.005 U	0.0004 J	0.017 J	0.001 J	0.48	0.041	5.39	0.459	0.255	0.022	1.11	0.00009	0.92	0.078	1.86	0.158	0.2 U	0.017 J	0.009 U	0.0008 J	0.009 U	0.001 J	48.3	4.11
NOV	12.64	0.386	0.041	1.31	0.138	0.005 U	0.0005 J	0.008 U	0.001 J	0.36	0.038	3.95	0.416	0.164	0.017	2.87	0.00030	2.81	0.296	1.20	0.127	0.2 U	0.021 J	0.009 U	0.0009 J	0.009 U	0.001 J	31.0	3.27
DEC	14.00	0.327	0.038	1.25	0.146	0.005 U	0.0006 J	0.022	0.0026	0.51	0.060	7.17	0.837	0.294	0.034	2.74	0.00032	0.75	0.09	1.68	0.196	0.2 U	0.023 J	0.026	0.0030 J	0.009 J	0.001 J	51.3	5.99
MAX	18.64	0.416	0.046	1.54	0.146	0.005 U	0.0008 J	0.023	0.0026	0.51	0.060	7.17	0.837	0.294	0.035	3.09	0.00036	6.99	0.703	1.98	0.196	0.2 U	0.031 J	0.026	0.003 J	0.018 J	0.002 J	51.3	6.48
MIN	9.51	0.284	0.030	0.86	0.086	0.005 U	0.0004 J	0.008 U	0.001 J	0.29	0.024	3.10	0.299	0.155	0.014	1.08	0.00009	0.45	0.070	0.79	0.092	0.2 U	0.016 J	0.009 U	0.001 J	0.009 U	0.001 J	31.0	3.19
AVE	12.30	0.345	0.035	1.22	0.123	0.005 U	0.0005 J	0.013 J	0.001 J	0.39	0.039	4.57	0.473	0.214	0.022	1.73	0.00019	1.90	0.19	1.46	0.144	0.2 U	0.021 J	0.011 J	0.001 J	0.01 J	0.001 J	42.0	4.30

REMOVAL EFFICIENCIES

Average Conc.		Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Lead		Mercury		Molybdenum		Nickel		Selenium		Silver		Thallium		Zinc	
		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
Influent		0.556	0.056	1.68	0.167	0.007 J	0.0007	0.128	0.013	3.44	0.374	44.1	4.36	1.43	0.143	172	0.0180	2.45	0.24	2.82	0.282	0.5 J	0.052	0.267	0.025	0.012	0.001	114	11.35
Effluent		0.345	0.035	1.22	0.123	0.005 U	0.0005	0.013 J	0.001	0.39	0.039	4.57	0.47	0.214	0.022	1.73	0.0002	1.90	0.19	1.46	0.144	0.2 U	0.021	0.011 J	0.001	0.01 J	0.0010	42.0	4.30
%removal		**38.0%**	**37.7%**	**27.2%**	**26.6%**	**31.0%**	**30.3%**	**89.7%**	**89.1%**	**88.7%**	**89.5%**	**89.6%**	**89.1%**	**85.0%**	**84.5%**	**99.0%**	**99.0%**	**22.6%**	**24.2%**	**48.1%**	**48.9%**	**62.5%**	**60.8%**	**96.0%**	**95.6%**	**17.0%**	**17.1%**	**63.2%**	**62.1%**

Analyses performed by ALS Environmental, Kelso, WA
† – These compounds are unstable under normal conditions. Per EPA guidelines, 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
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.

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

BUDD INLET WASTEWATER TREATMENT PLANT SAMPLING

The following pages contain priority pollutant metals data for plant influent, final effluent and biosolids.
Removal percentages are listed below.
Unless otherwise noted, for purposes of determining removal efficiencies, detection limit values are used for non-detect results.

PI – Primary Influent RDS – Raw Degritted Sewage FE – Final Effluent RE – Removal Efficiency

ANALYTE			Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Lead		Mercury		Molybdenum		Nickel		Selenium		Silver		Thallium		Zinc		Oil & Grease, Total		Phenolics,Total		Cyanide, Total	
DATE	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	mg/L	lbs/day	mg/L	lbs/day
01/13/22	18.64	PI	0.413	0.064	1.01	0.157	0.005 J	0.0008 J	0.068	0.011	1.06	0.16	29.6	4.60	0.867	0.13	15.6	0.002	0.90	0.14	1.75	0.27	0.2 J	0.03 J	0.115	0.018	0.009 U	0.0014 J	83.6	13.0						
		RDS	0.346	0.054	0.96	0.149	0.011 J	0.0017 J	0.073	0.011	0.99	0.15	22.3	3.47	1.05	0.16	13.1	0.002	0.75	0.12	1.61	0.25	0.3 J	0.05 J	0.102	0.016	0.009 U	0.0014 J	60.9	9.47						
		FE	0.296	0.046	0.86	0.134	0.005 U	0.0008 J	0.010 J	0.002 J	0.33	0.05	5.09	0.79	0.226	0.04	2.11	0.0003	0.45	0.07	0.91	0.14	0.2 U	0.03 J	0.009 J	0.001 J	0.009 U	0.0014 J	41.7	6.48						
		RE	0.28		0.15		0.55		0.86		0.69		0.83		0.78		0.86		0.50		0.48		0.33		0.92		0.00		0.50							
02/14/22	12.46	PI	0.489	0.051	1.63	0.169	0.007 J	0.0007 J	0.115	0.012	6.06	0.63	38.7	4.02	1.21	0.13	28.6	0.003	2.43	0.25	3.01	0.31	0.5 J	0.05 J	0.149	0.015	0.009 U	0.0009 J	94.3	9.80	41.1	4271	0.063	6.55	0.0005 U	0.052 J
		RDS	0.592	0.062	1.76	0.183	0.010 J	0.0010 J	0.124	0.013	1.41	0.15	41.4	4.30	1.24	0.13	31.2	0.003	2.09	0.22	2.95	0.31	0.4 J	0.04 J	0.219	0.023	0.009 U	0.0009 J	103	10.70						
		FE	0.338	0.035	1.26	0.131	0.005 U	0.0005 J	0.012 J	0.0012 J	0.41	0.04	4.20	0.44	0.288	0.03	1.17	0.0001	0.82	0.09	1.35	0.14	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.0009 J	44.0	4.57	2.7 J	281	0.006 J	0.62 J	0.002 J	0.21 J
		RE	0.43		0.28		0.50		0.90		0.93		0.90		0.77		0.96		0.66		0.55		0.60		0.96		0.00		0.57		0.93		0.90		-3.00	
03/08/22	13.91	PI	0.429	0.050	1.28	0.148	0.011 J	0.0013 J	0.080	0.009	1.38	0.16	32.7	3.79	2.17	0.25	297	0.034	1.25	0.15	2.08	0.24	0.5 J	0.06 J	0.241	0.028	0.009 U	0.0010 J	79.4	9.21						
		RDS	0.371	0.043	1.29	0.150	0.005 J	0.0006 J	0.097	0.011	0.83	0.10	33.9	3.93	1.03	0.12	65.2	0.008	1.43	0.17	2.05	0.24	0.4 J	0.05 J	0.179	0.021	0.009 U	0.001 J	76.1	8.83						
		FE	0.284	0.033	1.04	0.121	0.005 U	0.0006 J	0.008 U	0.0009 J	0.29	0.03	4.24	0.49	0.155	0.02	3.09	0.0004	0.65	0.08	0.79	0.09	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.001 J	35.1	4.07						
		RE	0.34		0.19		0.55		0.92		0.79		0.87		0.93		0.99		0.55		0.62		0.60		0.96		0.00		0.56							
04/07/22	13.05	PI	0.591	0.064	1.69	0.184	0.008 J	0.0009 J	0.134	0.0146	1.38	0.15	39.8	4.33	1.22	0.13	1060	0.115	5.60	0.61	2.63	0.29	0.5 J	0.05 J	0.171	0.019	0.032	0.0035	115	12.5						
		RDS	0.578	0.063	1.73	0.188	0.010 J	0.0011 J	0.155	0.017	1.53	0.17	53.1	5.78	1.24	0.13	59.4	0.006	2.25	0.24	2.71	0.29	0.6 J	0.07 J	0.314	0.034	0.019 J	0.002 J	152	16.54						
		FE	0.315	0.034	1.27	0.138	0.005 U	0.0005 J	0.023	0.0025	0.42	0.05	4.55	0.50	0.231	0.03	1.35	0.0001	1.36	0.15	1.02	0.11	0.2 U	0.02 J	0.011 J	0.001 J	0.018 J	0.002 J	46.9	5.10						
		RE	0.47		0.27		0.50		0.85		0.73		0.91		0.81		1.00		0.76		0.62		0.67		0.96		0.44		0.69							
05/04/22	12.06	PI	0.485	0.049	1.81	0.182	0.008 J	0.0008 J	0.138	0.0139	1.67	0.17	40.0	4.02	1.23	0.12	138	0.014	2.33	0.23	2.88	0.29	0.5 J	0.05 J	0.200	0.020	0.009 U	0.0009 J	129	13.0	35.6	3581	0.057	5.73	0.0005 U	0.050 J
		RDS	0.574	0.058	2.06	0.207	0.014 J	0.0014 J	0.198	0.020	2.21	0.22	72.8	7.32	2.04	0.21	41.2	0.004	4.27	0.43	3.49	0.35	0.7 J	0.07 J	0.409	0.041	0.009	0.0009	193	19.41						
		FE	0.311	0.031	1.30	0.131	0.005 U	0.0005 J	0.017 J	0.0017 J	0.36	0.04	3.36	0.34	0.206	0.02	1.16	0.0001	6.99	0.70	1.53	0.15	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.0009 J	44.6	4.49	2.9 J	292	0.005 J	0.50 J	0.001 J	0.10 J
		RE	0.46		0.37		0.64		0.91		0.84		0.95		0.90		0.99		-0.64		0.56		0.71		0.98		0.00		0.77		0.92		0.91		-1.00	
06/03/22	11.55	PI	0.601	0.058	1.95	0.188	0.008 J	0.0008 J	0.162	0.016	1.44	0.14	49.7	4.79	1.34	0.13	126	0.012	1.82	0.18	2.89	0.28	0.8 J	0.08 J	0.237	0.023	0.019 J	0.0018 J	133	12.8						
		RDS	0.628	0.060	1.87	0.180	0.006 J	0.0006 J	0.131	0.013	1.53	0.15	47.9	4.61	1.21	0.12	485	0.047	3.10	0.30	2.90	0.28	0.8 J	0.08 J	0.458	0.044	0.009	0.0009	118	11.37						
		FE	0.313	0.030	1.17	0.113	0.005 U	0.0005 J	0.016 J	0.0015 J	0.35	0.03	3.10	0.30	0.179	0.02	1.37	0.0001	1.26	0.12	1.72	0.17	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.0009 J	35.6	3.43						
		RE	0.50		0.40		0.38		0.90		0.77		0.94		0.87		1.00		0.59		0.41		0.75		0.98		0.53		0.73							
07/07/22	10.01	PI	0.452	0.038	1.65	0.138	0.005 U	0.0004 J	0.116	0.0097	1.07	0.09	52.0	4.34	1.19	0.10	111	0.009	4.39	0.37	2.50	0.21	0.6 J	0.05 J	0.244	0.020	0.009 U	0.0008 J	121	10.1						
		RDS	0.696	0.058	1.67	0.139	0.008 J	0.0007 J	0.141	0.012	1.24	0.10	57.4	4.79	1.55	0.13	48.8	0.004	3.90	0.33	3.17	0.26	0.5 J	0.04 J	0.348	0.029	0.009 U	0.0008 J	146	12.19						
		FE	0.359	0.030	1.09	0.091	0.005 U	0.0004 J	0.008 U	0.0007 J	0.29	0.02	4.26	0.36	0.184	0.02	1.19	0.0001	3.65	0.30	1.72	0.14	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.0008 J	38.2	3.19						
		RE	0.48		0.35		0.38		0.94		0.77		0.93		0.88		0.99		0.17		0.46		0.67		0.97		0.00		0.74							
08/11/22	9.61	PI	0.722	0.058	2.00	0.160	0.011 J	0.0009 J	0.227	0.0182	1.77	0.14	58.9	4.72	2.26	0.18	126	0.010	2.28	0.18	3.93	0.31	0.6 J	0.05 J	0.293	0.023	0.009 U	0.0007 J	148	11.9	45.3	3631	0.094	7.53	0.0005 U	0.040 J
		RDS	0.832	0.067	2.09	0.168	0.013 J	0.0010 J	0.164	0.013	1.75	0.14	63.1	5.06	2.32	0.19	108	0.009	2.60	0.21	3.32	0.27	0.6 J	0.05 J	0.413	0.033	0.009 U	0.0007 J	177	14.19						
		FE	0.411	0.033	1.54	0.123	0.005 U	0.0004 J	0.008 U	0.0006 J	0.39	0.03	4.15	0.33	0.174	0.01	1.55	0.0001	1.41	0.11	1.81	0.15	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.0007 J	43.5	3.49	3.3 J	264	0.034	2.73	0.0008 J	0.06 J
		RE	0.51		0.26		0.62		0.96		0.78		0.93		0.93		0.99		0.46		0.54		0.67		0.98		0.00		0.75		0.93		0.64		-0.60	
09/08/22	9.51	PI	0.659	0.052	1.94	0.154	0.005 U	0.0004 J	0.139	0.0110	1.49	0.12	54.3	4.31	1.33	0.11	36.3	0.003	1.82	0.14	3.05	0.24	0.6 J	0.05 J	0.948	0.075	0.009 U	0.0007 J	134	10.6						
		RDS	1.04	0.082	3.24	0.257	0.011 J	0.0009 J	0.258	0.020	3.22	0.26	100	7.93	1.91	0.15	42.4	0.003	5.56	0.44	4.09	0.32	1.0 J	0.08 J	0.602	0.048	0.012 J	0.001 J	244	19.35						
		FE	0.381	0.030	1.54	0.122	0.005 U	0.0004 J	0.009 J	0.0007 J	0.45	0.04	5.38	0.43	0.217	0.02	1.08	0.0001	1.73	0.14	1.98	0.16	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.0007 J	43.7	3.47						
		RE	0.634		0.52		0.55		0.97		0.86		0.95		0.89		0.97		0.69		0.52		0.80		0.99		0.25		0.82							
10/12/22	10.21	PI	0.687	0.058	1.74	0.148	0.008 J	0.0007 J	0.139	0.012	1.64	0.14	55.2	4.70	1.83	0.16	43.1	0.004	2.02	0.17	3.10	0.26	0.7 J	0.06 J	0.272	0.023	0.009 J	0.0008 J	134	11.4						
		RDS	0.963	0.082	1.76	0.150	0.007 J	0.0006 J	0.133	0.011	2.15	0.18	58.5	4.98	1.40	0.12	49.0	0.004	2.29	0.19	3.21	0.27	0.6 J	0.05 J	0.328	0.028	0.009 U	0.0008 J	137	11.67						
		FE	0.416	0.035	1.01	0.086	0.005 U	0.0004 J	0.017 J	0.0014 J	0.48	0.04	5.39	0.46	0.255	0.02	1.11	0.0001	0.92	0.08	1.86	0.16	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.0008 J	48.3	4.11						
		RE	0.57		0.43		0.38		0.88		0.78		0.91		0.86		0.98		0.60		0.42		0.71		0.97		0.00		0.65							
11/09/22	12.64	PI	0.504	0.053	1.66	0.175	0.005 U	0.0005 J	0.105	0.011	1.07	0.11	40.4	4.26	1.02	0.11	42.9	0.005	2.93	0.31	2.22	0.23	0.4 J	0.04 J	0.172	0.018	0.009 U	0.0009 J	94.6	9.97	32.9	3468	0.095	10.01	0.005 U	0.53 J
		RDS	0.492	0.052	1.54	0.162	0.005 U	0.0005 J	0.096	0.010	1.08	0.11	39.5	4.16	1.02	0.11	35.9	0.004	2.93	0.31	2.22	0.23	0.4 J	0.04 J	0.213	0.022	0.009 U	0.0009 J	95.2	10.04						
		FE	0.386	0.041	1.31	0.138	0.005 U	0.0005 J	0.008 U	0.0008 J	0.36	0.04	3.95	0.42	0.164	0.02	2.87	0.0003	2.81	0.30	1.20	0.13	0.2 U	0.02 J	0.009 U	0.001 J	0.009 U	0.0009 J	31.0	3.27	2.3 J	242	0.02	2.11	0.005 U	0.53 J
		RE	0.23		0.21		0.00		0.92		0.67		0.90		0.84		0.93		0.04		0.46		0.50		0.96		0.00		0.67		0.93		0.79		0.00	
12/08/22	14.00	PI	0.640	0.075	1.74	0.203	0.006 J	0.0007 J	0.108	0.013	21.2	2.48	37.6	4.39	1.46	0.17	38.1	0.004	1.68	0.20	3.80	0.44	0.5 J	0.06 J	0.167	0.019	0.009 U	0.0011 J	102	11.9						
		RDS	0.570	0.067	1.74	0.203	0.006 J	0.0007 J	0.141	0.016	1.23	0.14	39.0	4.55	1.13	0.13	82.0	0.010	1.90	0.22	2.55	0.30	0.5 J	0.06 J	0.206	0.024	0.010 J	0.0012 J	125	14.60						
		FE	0.327	0.038	1.25	0.146	0.005 U	0.0006 J	0.022	0.003	0.51	0.06	7.17	0.84	0.294	0.03	2.74	0.0003	0.75	0.09	1.68	0.20	0.2 U	0.02 J	0.026	0.003	0.009 U	0.0011 J	51.3	5.99						
		RE	0.49		0.28		0.17		0.84		0.98		0.82		0.80		0.97		0.61		0.56		0.60		0.87		0.10		0.59							
MIN	**9.51**	**PI**	**0.413**	**0.038**	**1.01**	**0.138**	**0.005 J**	**0.0004 J**	**0.068**	**0.009**	**1.06**	**0.09**	**29.6**	**3.79**	**0.867**	**0.10**	**15.6**	**0.002**	**0.90**	**0.14**	**1.75**	**0.21**	**0.2 J**	**0.03 J**	**0.115**	**0.02**	**0.009 U**	**0.0007 J**	**79.4**	**9.21**	**32.9**	**3468**	**0.057**	**5.73**	**0.0005 U**	**0.040 J**
		RDS	**0.346**	**0.043**	**0.96**	**0.139**	**0.005 U**	**0.0005 J**	**0.073**	**0.010**	**0.83**	**0.10**	**22.3**	**3.47**	**1.02**	**0.11**	**13.1**	**0.002**	**0.75**	**0.12**	**1.61**	**0.23**	**0.3 J**	**0.04 J**	**0.102**	**0.016**	**0.009 U**	**0.001 J**	**60.9**	**8.83**						
		FE	**0.284**	**0.03**	**0.86**	**0.086**	**0.005 U**	**0.0004 J**	**0.008 U**	**0.0006 J**	**0.29**	**0.02**	**3.10**	**0.30**	**0.155**	**0.01**	**1.08**	**0.0001**	**0.45**	**0.07**	**0.79**	**0.09**	**0.2 U**	**0.02 J**	**0.009 U**	**0.001 J**	**0.009 U**	**0.0007 J**	**31.0**	**3.19**	**2.3 J**	**242**	**0.005 J**	**0.50 J**	**0.0008 J**	**0.06 J**
		RE	**0.23**		**0.15**		**0.00**		**0.84**		**0.67**		**0.82**		**0.77**		**0.86**		**-0.64**		**0.41**		**0.33**		**0.87**		**0.00**		**0.57**		**0.92**		**0.64**		**-3.00**	
MAX	**18.64**	**PI**	**0.722**	**0.075**	**2.00**	**0.203**	**0.01**	**0.0013 J**	**0.227**	**0.018**	**21.2**	**2.48**	**58.9**	**4.79**	**2.26**	**0.25**	**1060**	**0.12**	**5.60**	**0.61**	**3.93**	**0.44**	**0.8 J**	**0.08 J**	**0.948**	**0.08**	**0.032**	**0.003 J**	**148**	**13.0**	**45.3**	**4271**	**0.095**	**10.01**	**0.005 U**	**0.53 J**
		RDS	**1.04**	**0.082**	**3.24**	**0.257**	**0.014 J**	**0.0017 J**	**0.258**	**0.020**	**3.22**	**0.26**	**100**	**7.93**	**2.32**	**0.21**	**485**	**0.047**	**5.56**	**0.44**	**4.09**	**0.35**	**1.0 J**	**0.08 J**	**0.602**	**0.048**	**0.019 J**	**0.002 J**	**244**	**19.41**						
		FE	**0.416**	**0.05**	**1.54**	**0.15**	**0.005 U**	**0.0008 J**	**0.023**	**0.003**	**0.51**	**0.06**	**7.17**	**0.84**	**0.294**	**0.04**	**3.09**	**0.0004**	**6.99**	**0.70**	**1.98**	**0.20**	**0.2 U**	**0.03 J**	**0.026**	**0.003**	**0.018 J**	**0.002 J**	**51.3**	**6.48**	**3.3 J**	**292**	**0.034**	**2.73**	**0.005 J**	**0.53 J**
		RE	**0.51**		**0.52**		**0.64**		**0.97**		**0.98**		**0.95**		**0.93**		**1.00**		**0.76**		**0.62**		**0.80**		**0.99**		**0.53**		**0.82**		**0.93**		**0.91**		**N/A**	
AVERAGE	**12.30**	**PI**	**0.556**	**0.056**	**1.68**	**0.167**	**0.007**	**0.0007 J**	**0.128**	**0.013**	**3.44**	**0.37**	**44.1**	**4.36**	**1.43**	**0.14**	**172**	**0.018**	**2.45**	**0.24**	**2.82**	**0.28**	**0.5 J**	**0.052 J**	**0.267**	**0.025**	**0.012 J**	**0.001 J**	**114**	**11.3**	**38.7**	**3738**	**0.077**	**7.46**	**0.0016 J**	**0.17 J**
		RDS	**0.640**	**0.062**	**1.81**	**0.178**	**0.009 J**	**0.0009 J**	**0.143**	**0.014**	**1.60**	**0.16**	**52.4**	**5.07**	**1.43**	**0.14**	**88.4**	**0.009**	**2.76**	**0.26**	**2.86**	**0.28**	**0.6 J**	**0.06 J**	**0.316**	**0.030**	**0.01 J**	**0.001 J**	**136**	**13.20**						
		FE	**0.345**	**0.03**	**1.22**	**0.12**	**0.005 J**	**0.0005 J**	**0.01 J**	**0.001 J**	**0.39**	**0.04**	**4.57**	**0.47**	**0.214**	**0.022**	**1.73**	**0.0002**	**1.90**	**0.19**	**1.46**	**0.14**	**0.2 J**	**0.02 J**	**0.011 J**	**0.001 J**	**0.01 J**	**0.001 J**	**42.0**	**4.30**	**2.8 J**	**270**	**0.02**	**1.49**	**0.002 J**	**0.22 J**
		RE	**46%**		**31%**		**43%**		**91%**		**80%**		**90%**		**85%**		**97%**		**42%**		**52%**		**63%**		**96%**		**11%**		**67%**		**93%**		**81%**		**-115%**	
			Antimony		**Arsenic**		**Beryllium**		**Cadmium**		**Chromium**		**Copper**		**Lead**		**Mercury**		**Molybdenum**		**Nickel**		**Selenium**		**Silver**		**Thallium**		**Zinc**		**Oil & Grease, Total**		**Phenolics,Total**		**Cyanide, Total**	

Analyses performed by ALS Environmental, Kelso, WA
† – These compounds are unstable under normal conditions. Per EPA guidelines, 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.
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.

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

MARTIN WAY RECLAIMED WATER PLANT SAMPLING

The following pages contain priority pollutant metals data for plant influent, and class A water
Removal percentages are listed below.
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

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
02/03/22	1.40	1.12	PI	0.534	0.00623	0.79	0.0092	0.005 U	0.00006 J	0.112	0.00131	0.89	0.01	56.5	0.66	189	2.21	0.812	0.00948	30.7	0.358	17.6	0.00021	1.06	0.012	2.25	0.026	0.4 J	0.005 J	0.136	0.0016
			CLA	0.412	0.00385	0.43 J	0.0040 J	0.005 U	0.00005 J	0.052	0.00049	0.33	0.0031	6.32	0.06	20.1	0.19	0.239	0.00223	20.3	0.190	0.33	0.000003	0.25	0.0023	1.07	0.010	0.2 U	0.002 J	0.009 U	0.0001 J
			RE	0.23		0.46		0.00		0.54		0.63		0.89		0.89		0.71		0.34		0.98		0.76		0.52		0.50		0.93	
05/04/22	1.58	1.33	PI	0.523	0.00689	1.03	0.014	0.005 U	0.0001 J	0.113	0.00149	1.06	0.014	51.9	0.68	228	3.00	0.754	0.00994	39.7	0.523	29.2	0.00038	0.95	0.0125	2.36	0.031	0.4 J	0.005 J	0.107	0.0014
			CLA	0.458	0.00508	0.48 J	0.0053 J	0.005 U	0.0001 J	0.065	0.00072	0.47	0.005	6.32	0.07	19.1	0.21	0.279	0.00309	26.1	0.290	0.33	0.000004	0.23	0.0026	1.13	0.013	0.2 U	0.002 J	0.009 U	0.0001 J
			RE	0.12		0.53		0.00		0.42		0.56		0.88		0.92		0.63		0.34		0.99		0.76		0.52		0.50		0.92	
08/11/22	1.57	1.28	PI	0.770	0.0101	0.97	0.013	0.008 J	0.00010 J	0.659	0.00863	1.41	0.018	65.8	0.86	343	4.49	0.946	0.0124	57.9	0.76	56.8	0.0007	1.02	0.0134	2.90	0.038	0.5 J	0.007 J	0.210	0.0027
			CLA	0.527	0.00563	0.49 J	0.0052 J	0.005 U	0.00005 J	0.024	0.00026	0.39	0.0042	4.10	0.04	14.6	0.16	0.180	0.00192	26.7	0.29	0.57	0.000006	0.15	0.0016	1.13	0.012	0.2 U	0.002 J	0.009 U	0.0001 J
			RE	0.32		0.49		0.38		0.96		0.72		0.94		0.96		0.81		0.54		0.99		0.85		0.61		0.60		0.96	
11/08/22	0.68	0.42	PI	0.599	0.0034	1.00	0.0057	0.0005 U	0.000003 J	0.124	0.000703	1.27	0.007	64.2	0.36	266	1.51	0.879	0.00498	32.6	0.18	41.6	0.00024	1.10	0.0062	2.18	0.012	0.5 J	0.003 J	0.174	0.001
			CLA	0.555	0.0019	0.74	0.0026	0.005 U	0.00002 J	0.049	0.00017	0.33	0.0012	12.0	0.04	18.6	0.07	0.108	0.000378	6.08	0.02	1.31	0.000005	0.50	0.0018	0.81	0.0028	0.2 U	0.001 J	0.009 U	0.00003 J
			RE	0.07		0.26		-9.00		0.60		0.74		0.81		0.93		0.88		0.81		0.97		0.55		0.63		0.60		0.95	
MIN	0.68	0.42	PI	0.523	0.0034	0.79	0.0057	0.0005 U	0.000003 J	0.112	0.000703	0.89	0.01	51.9	0.36	189	1.51	0.754	0.005	30.7	0.18	17.6	0.00021	0.95	0.0062	2.18	0.012	0.4 J	0.003 J	0.11	0.001
			CLA	0.412	0.0019	0.43 J	0.0026	0.005 U	0.00002 J	0.024	0.00017	0.33	0.0012	4.10	0.04	14.6	0.07	0.108	0.0004	6.08	0.02	0.33	0.000003	0.15	0.0016	0.81	0.0028	0.2 U	0.001 J	0.01	0.00003 J
			RE	0.07		0.26		-9.00		0.42		0.56		0.81		0.89		0.63		0.34		0.97		0.55		0.52		0.50		0.92	
MAX	1.58	1.33	PI	0.770	0.0101	1.03	0.014	0.008 J	0.0001 J	0.659	0.00863	1.41	0.018	65.8	0.86	343	4.49	0.946	0.012	57.9	0.76	56.8	0.0007	1.10	0.0134	2.90	0.038	0.5 J	0.007 J	0.21	0.0027
			CLA	0.555	0.0056	0.74	0.0053 J	0.005 U	0.0001 J	0.065	0.00072	0.47	0.005	12.0	0.07	20.1	0.21	0.279	0.003	26.7	0.29	1.31	0.000006	0.50	0.0026	1.13	0.013	0.2 U	0.002 J	0.01	0.0001 J
			RE	0.32		0.53		0.38		0.96		0.74		0.94		0.96		0.88		0.81		0.99		0.85		0.63		0.60		0.96	
AVERAGE	1.31	1.04	PI	0.607	0.007	0.95	0.01	0.005 U	0.0001 J	0.252	0.003	1.16	0.013	59.6	0.64	257	2.80	0.848	0.009	40.2	0.46	36.3	0.00039	1.03	0.011	2.42	0.027	0.5 J	0.005 J	0.16	0.0017
			CLA	0.488	0.004	0.54 J	0.004 J	0.005 U	0.00004 J	0.048	0.0004	0.38	0.003	7.19	0.05	18.1	0.16	0.202	0.002	19.8	0.20	0.64	0.000004	0.28	0.0021	1.04	0.0094	0.2 J	0.002 J	0.01	0.00008 J
			RE	18.5%		43.6%		-215.6%		63.2%		66.2%		87.9%		92.4%		75.6%		50.8%		98.2%		73.0%		57.1%		55.0%		93.9%	
				Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Iron		Lead		Manganese		Mercury		Molybdenum		Nickel		Selenium		Silver	

ANALYTE				Thallium		Zinc		Cr6		Conductivity	Chloride		Sulfate		Hydrazine		Oil & Grease, Total		Phenolics,Total		Cyanide, Total		Orthophosphate		Phosphorus, Total		MBAS	
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	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
02/03/22	1.40	1.12	PI	0.009 U	0.00011 J	101	1.18	0.55	0.0064	784	50.4	588.5	23.8	278	219	2.56	46.3	541	0.095	1.11	0.005 U	0.058 J	4.43	51.7	7.28	85.0	3.6	42
			CLA	0.009 U	0.00008 J	72.2	0.67	0.39	0.0036	519	55.1	514.7	26.0	243	3.9 B	0.04	2.8 J	26.2 J	0.004 U	0.04 J	0.002 J	0.019 J	1.03	9.62	1.02	9.53	0.032 J	0.30 J
			RE	0.00		0.29		0.29		0.34	-0.09		-0.09		0.98		0.94		0.96		0.60		0.77		0.86		0.99	
05/04/22	1.58	1.33	PI	0.009 U	0.0001 J	111	1.46	0.32	0.0042	828	63.2	832.8	25.6	337	1.8 U	0.024 J	35.7	470	0.128	1.69	0.0007 J	0.009 J	1.67	22.0	6.83	90.0	3.8	50.07
			CLA	0.009 U	0.0001 J	87.6	0.97	0.46	0.0051	536	66.5	737.6	31.0	344	1.8 U	0.02 J	3.1 J	34.4 J	0.005 J	0.06 J	0.002 J	0.022 J	1.76	19.5	1.71	19.0	0.044 J	0.49 J
			RE	0.00		0.21		-0.44		0.35	-0.05		-0.21		0.00		0.91		0.96		-1.86		-0.05		0.75		0.99	
08/11/22	1.57	1.28	PI	0.009 U	0.0001 J	149	1.95	0.20	0.0026	767	46.3	606	22.1	289	268	3.51	47.5	622	0.098	1.28	0.0005 U	0.007 J	5.27	69.0	6.95	91.0	4.4	58
			CLA	0.009 U	0.0001 J	81.1	0.87	0.21	0.0022	505	51.3	548	28.6	305	0.9 U	0.01 J	3.0 J	0.03 J	0.025	0.27	0.002 J	0.021 J	0.388	4.14	0.352	3.76	0.033 J	0.35 J
			RE	0.00		0.46		-0.05		0.34	-0.11		-0.29		1.00		0.94		0.74		-3.00		0.93		0.95		0.99	
11/08/22	0.68	0.42	PI	0.011 J	0.0001 J	121	0.69	0.11	0.00062	776	44.2	251	20.7	117	99	0.56	34.6	196	0.106	0.60	0.001 J	0.006 J	5.11	29.0	6.73	38.2	NT	NQ
			CLA	0.009 U	0.00003 J	59.5	0.21	0.19	0.00067	533	50.3	176	29.2	102	1.8 U	0.0063 J	2.5 J	8.76 J	0.011	0.04	0.003 J	0.011 J	6.18	21.6	6.23	21.8	NT	NQ
			RE	0.18		0.51		-0.73		0.31	-0.14		-0.41		0.98		0.93		0.90		-2.00		-0.21		0.07		NQ	
MIN	0.68	0.42	PI	0.009 U	0.0001 J	101	0.69	0.11	0.00062	767	44.2	251	20.7	117	1.80	0.024 J	34.6	196	0.095	0.60	0.0005 U	0.006 J	1.67	22.0	6.73	38.2	3.60	42
			CLA	0.009 U	0.00003 J	59.5	0.21	0.19	0.00067	505	50.3	176	26.0	102	0.90	0.01 J	2.5 J	0.03 J	0.004 U	0.04 J	0.002 J	0.011 J	0.388	4.14	0.352	3.76	0.03	0.30 J
			RE	0.00		0.21		-0.73		0.31	-0.14		-0.41		0.00		0.91		0.74		-3.00		-0.21		0.07		0.99	
MAX	1.58	1.33	PI	0.011 J	0.0001 J	149	1.95	0.55	0.0042	828	63.2	833	25.6	337	268	3.51	47.5	622	0.128	1.69	0.005 U	0.058 J	5.27	69.0	7.28	91.0	4.40	58
			CLA	0.009 U	0.0001 J	87.6	0.97	0.46	0.0051	536	66.5	738	31.0	344	3.9	0.04	3.1	34.4 J	0.025	0.27	0.003 J	0.022 J	6.18	21.6	6.23	21.8	0.04	0.49 J
			RE	0.18		0.51		-0.05		0.35	-0.05		-0.09		1.00		0.94		0.96		0.60		0.93		0.95		0.99	
AVERAGE	1.31	1.04	PI	0.01 J	0.0001 J	121	1.32	0.16	0.0025	789	51.0	570	23.1	255	147	1.66	41.0	457	0.107	1.17	0.0018	0.02 J	4.12	42.9	6.95	76.0	3.93	49.9
			CLA	0.009 J	0.00008 J	75.1	0.68	0.22	0.0027	523	55.8	494	28.7	249	2.10	0.02	2.85	17.3	0.011 J	0.10 J	0.0023	0.02 J	2.34	13.7	2.33	13.5	0.04	0.38
			RE	4.5%		36.5%		-40.5%		33.6%	-9.8%		-25.2%		74.0%		92.9%		89.0%		-156.4%		35.8%		65.8%		99.1%	
				Thallium		Zinc		Cr6		Conductivity	Chloride		Sulfate		Hydrazine		Oil & Grease, Total		Phenolics,Total		Cyanide, Total		Orthophosphate		Phosphorus, Total		MBAS	

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.
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.

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

BUDD INLET TREATMENT PLANT
BIOSOLIDS PRIORITY POLLUTANTS ANALYSES SUMMARY
2022
40 CFR Part 122 Table III Metals/Cyanide/Phenol Priority Pollutants & Molybdenum

		ANTIMONY DRY WT.		ARSENIC DRY WT.		BERYLLIUM DRY WT.		CADMIUM DRY WT.		CHROMIUM DRY WT.		COPPER DRY WT.		LEAD DRY WT.		MERCURY DRY WT.		MOLYBDENUM DRY WT.		NICKEL DRY WT.		SELENIUM DRY WT.		SILVER DRY WT.		THALLIUM DRY WT.		ZINC DRY WT.		CYANIDE DRY WT.		PHENOLICS DRY WT.	
	Units	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	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	152.14																														
FEB	142.98	1.76	0.018	5.0	0.050	0.11	0.0011	0.961	0.010	18.5	0.185	406	4.06	20.4	0.204	0.661	0.0066	9.99	0.100	19.3	0.193	5.8	0.058	4.66	0.047	0.071 J	0.0007 J	634	6.34	2.10	0.021	3.94	0.039
MAR	173.12																														
APR	155.53	2.08	0.022	4.2	0.045	0.082	0.0009	1.01	0.011	15.9	0.171	360	3.88	15.5	0.167	0.937	0.0101	8.32	0.090	16.7	0.180	6.0	0.065	2.36	0.025	0.063 J	0.0007 J	593	6.39	1.95	0.021	6.53	0.070
MAY	175.45																														
JUN	161.84	2.47	0.027	4.6	0.051	0.148	0.0016	1.02	0.011	17.1	0.189	380	4.20	12.1	0.134	0.554	0.0061	8.80	0.097	17.2	0.190	6.0	0.066	2.16	0.024	0.071 J	0.0008 J	649	7.18	1.19	0.013	2.90	0.032
JUL	142.60																														
AUG	169.88	2.56	0.026	4.5	0.045	0.143	0.0014	1.01	0.010	14.1	0.142	370	3.73	11.0	0.111	0.663	0.0067	8.88	0.090	12.6	0.127	5.9	0.059	2.64	0.027	0.049 J	0.0005 J	672	6.77	0.28 U	0.003 J	129	1.300
SEP	154.59																														
OCT	144.68	2.92	0.029	4.7	0.046	0.176	0.0017	1.16	0.011	18.0	0.177	429	4.21	12.0	0.118	0.836	0.0082	8.89	0.087	14.7	0.144	6.7	0.066	2.70	0.026	0.663	0.0065	783	7.68	740	7.26	3960	326
NOV	188.56																														
DEC	139.10	2.86	0.031	5.0	0.054	0.111	0.0012	1.16	0.012	23.1	0.248	487	5.23	16.9	0.182	0.659	0.0071	10.7	0.115	20.1	0.216	7.0	0.075	2.77	0.030	0.066 J	0.0007 J	880	9.45	700	7.52	6.36	0.068
	MIN	1.76	0.018	4.2	0.045	0.082	0.0009	0.96	0.010	14.1	0.142	360	3.73	11.0	0.111	0.554	0.006	8.32	0.087	12.6	0.127	5.80	0.058	2.16	0.024	0.049 J	0.0005 J	593	6.34	0.28 U	0.003 J	2.90	0.032
	MAX	2.92	0.031	5.0	0.054	0.176	0.0017	1.16	0.012	23.1	0.248	487	5.23	20.4	0.204	0.94	0.010	10.7	0.115	20.1	0.216	7.00	0.075	4.66	0.047	0.663	0.007 J	880	9.45	740	7.52	3960	326
	AVG	2.44	0.025	4.7	0.049	0.129	0.0013	1.05	0.011	17.8	0.185	405	4.22	14.7	0.153	0.718	0.007	9.26	0.096	16.8	0.175	6.23	0.065	2.88	0.030	0.164 J	0.002 J	702	7.30	241	2.47	685	54.7
Biosolids Limits	**Table 1***			**75**				**85**				**4,300**		**840**		**57**		**75**		**420**		**100**						**7,500**					
	Table 3*			**41**				**39**				**1,500**		**300**		**17**				**420**		**100**						**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 signifigant relative to the sample result.
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
* 40 CFR § 503.13 Biosolids Ceiling Limit and Monthly Average Limit

BUDD INLET TREATMENT PLANT
PRIMARY INFLUENT
2022
TABLE II, 40 CFR Part 122, ORGANICS, PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

METHOD EPA 624	SAMPLE DATE 08/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L
Chloromethane	74873	0.060	5.0	1.0 - 2.0	0.060 U
Vinyl Chloride	75014	0.090	5.0	1.0 - 2.0	0.090 U
Bromomethane	74839	0.090	5.0	5.0 - 10.0	0.090 J
Chloroethane	75003	0.10	5.0	1.0 - 2.0	0.10 U
1,1-Dichloroethene	75354	0.080	5.0	2.8 - 8.4	0.080 U
Methylene Chloride	75092	0.30	5.0	2.8 - 8.4	0.30 U
trans-1,2-Dichloroethene	156605	0.070	5.0	1.6 - 4.8	0.070 U
1,1-Dichloroethane	75343	0.070	5.0	1.0 - 2.0	0.070 U
Chloroform	67663	0.070	5.0	1.6 - 4.8	**0.08 J**
1,1,1-Trichloroethane (TCA)	71556	0.070	5.0	3.8 - 11.4	0.070 U
Carbon Tetrachloride	56235	0.20	5.0	2.8 - 8.4	0.20 U
Benzene	71432	0.060	5.0	4.4 - 13.2	0.060 U
1,2-Dichloroethane (EDC)	107062	0.060	5.0	2.8 - 8.4	0.060 U
Trichloroethene (TCE)	79016	0.080	5.0	1.9 - 5.7	0.080 U
1,2-Dichloropropane	78875	0.070	5.0	6.0 - 18.0	0.070 U
Bromodichloromethane	75274	0.20	5.0	2.2 - 6.6	**0.23 J**
2-Chloroethyl Vinyl Ether	110758	0.20	10	1.0 - 2.0	0.20 U
Trans-1,3-Dichloropropene	10061026	0.090	5.0	1.0 - 2.0	0.090 U
Toluene	108883	0.070	5.0	6.0 - 18.0	**0.19 J**
cis-1,3-Dichloropropene	542756	0.090	5.0	5.0 - 15.0	0.090 U
1,1,2-Trichloroethane	79005	0.060	5.0	5.0 - 15.0	0.060 U
Tetrachloroethene (PCE)	127184	0.050	5.0	4.1 - 12.3	0.050 J
Dibromochloromethane	124481	0.20	5.0	3.1 - 9.3	0.20 U
Chlorobenzene	108907	0.050	5.0	6.0 - 18.0	0.050 U
Ethylbenzene	100414	0.030	5.0	7.2 - 21.6	0.030
Bromoform	75252	0.40	5.0	4.7 - 14.1	0.40 U
1,1,2,2-Tetrachloroethane	79345	0.080	5.0	6.9 - 20.7	0.080 U
1,3-Dichlorobenzene	541731	0.060	5.0	1.9 - 7.6	0.060 U
1,4-Dichlorobenzene	106467	0.090	5.0	4.4 - 17.6	**0.14 J**
1,2-Dichlorobenzene	95501	0.060	5.0	1.9 - 7.6	0.060 U
Acrolein†	107028	2.0	50	5 - 10	2.0 U
Acrylonitrile†	107131	0.20	100	1.0 - 2.0	0.20 U

SEMI-VOLATILE ORGANIC COMPOUNDS

METHOD EPA 625	SAMPLE DATE 8/11/2022				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L
1,2,4-Trichlorobenzene	120821	0.66	16	1.9 - 5.7	0.66 U
2,4,6-Trichlorophenol	88062	6.0	16	2.7 - 8.1	6.0 U
2,4-Dichlorophenol	120832	2.2	16	2.7 - 8.1	2.2 U
2,4-Dimethylphenol	105679	3.9	16	2.7 - 8.1	3.9 U
2,4-Dinitrophenol	51285	35	80	42 - 126	35 U
2,4-Dinitrotoluene	121142	3.7	16	5.7 - 17.1	3.7 U
2,6-Dinitrotoluene	606202	3.3	16	1.9 - 5.7	3.3 U
2-Chloronaphthalene	91587	0.76	16	1.9 - 5.7	0.76 U
2-Chlorophenol	95578	1.2	16	3.3 - 9.9	1.2 U
2-Methyl-4,6-dinitrophenol	534521	34	40	24 - 72	34 U
2-Nitrophenol	88755	1.8	16	3.6 - 10.8	1.8 U
3,3'-Dichlorobenzidine	91941	1.8	16	16.5 - 49.5	1.8 U
3-Methylcholanthrene*	56495	-	40	2.0 - 8.0	40 U
4-Bromophenyl Phenyl Ether	101553	1.2	16	1.9 - 5.7	1.2 U
4-Chloro-3-methylphenol	59507	3.6	16	3.0 - 9.0	3.6 U
4-Chlorophenyl Phenyl Ether	7005723	1.1	16	4.2 - 12.6	1.1 U
4-Nitrophenol	100027	36	40	2.4 - 7.2	36 U
Acenaphthene	83329	0.75	16	1.9 - 5.7	0.75 U
Acenaphthylene	208968	1.1	16	3.5 - 10.5	1.1 U
Anthracene	120127	2.3	16	1.9 - 5.7	2.3 U
Azobenzene†	122667	1.7	16	5.0 - 20	1.7 U
Benz(a)anthracene	56553	1.2	16	7.8 - 23.4	1.2 U
Benzidine	92875	37	40	44 - 132	37 U
Benzo(a)pyrene	50328	1.3	16	2.5 - 7.5	1.3 U
Benzo(g,h,I)perylene	191242	2.8	16	4.1 - 12.3	2.8 U
Bis(2-chloroethoxy)methane	111911	1.1	16	5.3 - 15.9	1.1 U
Bis(2-chloroethyl) Ether	111444	1.4	16	5.7 - 17.1	1.4 U
Bis(2-Chloro-1-Methylethyl) Ether *1	108601	0.92	16	5.7 - 17.1	0.92 U
Total Benzofluoroanthenes*2		2.70	40	0.8 - 1.6	2.7 U

METHOD EPA 625	SAMPLE DATE 8/11/2022				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Bis(2-ethylhexyl) Phthalate	117817	12	16	2.5 - 7.5	12 U
Butyl Benzyl Phthalate	85687	16	16	2.5 - 7.5	16 U
Chrysene	218019	1.6	16	2.5 - 7.5	1.6 U
Dibenz(a,h)acridine*	226368	-	40	2.5 - 10.0	40 U
Dibenz(a,h)anthracene	53703	2.9	16	2.5 - 7.5	2.9 U
Dibenz(a,j)acridine*	224420	-	40	2.5 - 10.0	40 U
Dibenzo(a,e)pyrene*	192654	-	40	2.5 - 10.0	40 U
Dibenzo(a,h)pyrene*	189640	-	40	2.5 - 10.0	40 U
Dibenzo(a,i)pyrene*	189559	-	40	1.3 - 5.0	40 U
Diethyl Phthalate	84662	1.3	16	1.9 - 5.7	**2.1 J**
Dimethyl Phthalate	131113	1.4	16	1.6 - 4.8	1.4 U
Di-n-butyl Phthalate	84742	15	16	2.5 - 7.5	15 U
Di-n-octyl Phthalate	117840	2.7	16	2.5 - 7.5	2.7 U
Fluoranthene	206440	1.4	16	2.2 - 6.6	1.4 U
Fluorene	86737	0.69	16	1.9 - 5.7	0.69 U
Hexachlorobenzene	118741	0.82	16	1.9 - 5.7	0.82 U
Hexachlorobutadiene	87683	4.2	16	0.9 - 2.7	4.2 U
Hexachlorocyclopentadiene	77474	22	80	2.0 - 4.0	22 U
Hexachloroethane	67721	4.1	16	1.6 - 4.8	4.1 U
Indeno(1,2,3-cd)pyrene	193395	3.9	16	3.7 - 11.1	3.9 U
Isophorone	78591	3.3	16	2.2 - 6.6	3.3 U
Naphthalene	91203	0.77	16	1.6 - 4.8	0.77 U
Nitrobenzene	98953	2.8	16	1.9 - 5.7	2.8 U
N-Nitrosodimethylamine	62759	5.5	16	2.0 - 4.0	5.5 U
N-Nitrosodi-n-propylamine	621647	2.8	16	0.5 - 1.0	2.8 U
N-Nitrosodiphenylamine	86306	1.7	16	1.0 - 2.0	1.7 U
Pentachlorophenol	87865	9.8	40	3.6 - 10.8	9.8 U
Perylene*	198550	-	16	1.9 - 7.6	16 U
Phenanthrene	85018	0.67	16	5.4 - 16.2	0.67 U
Phenol	108952	0.43	16.00	1.5 - 4.5	**13 J**
Pyrene	129000	1.8	16	1.9 - 5.7	1.8 U

† – 1,2-Diphenylhydrazine is reported as Azobenzene

ORGANOCHLORINE PESTICIDES

METHOD EPA 3520C/608	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ng/L
alpha-BHC	319846	0.86	9.6	3.0 - 9.0	0.86 Ui
beta-BHC	319857	200	200	6.0 - 18	200 Ui
gamma-BHC (Lindane)	58899	5.9	9.6	4.0 - 12	5.9 Ui
delta-BHC	319868	0.46	9.6	9.0 - 27	0.46 Ui
Heptachlor	76448	0.51	9.6	3.0 - 9.0	0.51 Ui
Aldrin	309002	0.49	9.6	4.0 - 12	**17.0**
Heptachlor Epoxide	1024573	2.20	9.6	83 - 249	2.20 U
Endosulfan I	959988	3.20	9.6	14 - 42	**22.0**
Dieldrin	60571	0.52	9.6	2.0 - 6.0	0.52 U
4,4'-DDE	72559	0.74	9.6	4.0 - 12	0.74 U
Endrin	72208	0.53	9.6	6.0 - 18	0.53 U
Endosulfan II	33213659	0.88	9.6	4.0 - 12	0.88 U
4,4'-DDD	72548	0.50	9.6	11 - 33	0.50 U
Endrin Aldehyde	7421934	5.10	9.6	23 - 70	5.10 U
Endosulfan Sulfate	1031078	0.36	9.6	66 - 198	0.36 U
4,4'-DDT	50293	0.77	9.6	12 - 36	0.77 U
Toxaphene	8001352	56	480	0.24 - 0.5	56 U
Chlordane	57749	29	190	14 - 42	29 U

POLYCHLORINATED BIPHENYLS (PCBs)

METHOD EPA 3520C/608	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Aroclor-1016	12674112	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1221	11104282	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1232	11141165	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1242	53469219	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1248	12672296	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1254	11097691	0.024	0.10	0.065 - 0.195	0.024 U
Aroclor-1260	11096825	0.024	0.10	0.065 - 0.195	0.024 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 signifigant relative to the sample result.

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

*2 Sum of Benzo(b)fluoranthene (CAS 205992), Benzo(k)fluoranthene (CAS 207089) , and Benzo(j)fluoranthene (CAS 205823)

BUDD INLET TREATMENT PLANT
FINAL EFFLUENT
2022
TABLE II, 40 CFR Part 122, ORGANICS, PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

METHOD EPA 624	SAMPLE DATE 08/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L
Chloromethane	74873	0.060	5.0	1.0 - 2.0	0.060 U
Vinyl Chloride	75014	0.090	5.0	1.0 - 2.0	0.090 U
Bromomethane	74839	0.090	5.0	5.0 - 10.0	0.090 U
Chloroethane	75003	0.10	5.0	1.0 - 2.0	0.10 U
1,1-Dichloroethene	75354	0.080	5.0	2.8 - 8.4	0.080 U
Methylene Chloride	75092	0.30	5.0	2.8 - 8.4	0.30 U
trans-1,2-Dichloroethene	156605	0.070	5.0	1.6 - 4.8	0.070 U
1,1-Dichloroethane	75343	0.070	5.0	1.0 - 2.0	0.070 U
Chloroform	67663	0.070	5.0	1.6 - 4.8	**1.2 J**
1,1,1-Trichloroethane (TCA)	71556	0.070	5.0	3.8 - 11.4	0.070 U
Carbon Tetrachloride	56235	0.20	5.0	2.8 - 8.4	0.20 U
Benzene	71432	0.060	5.0	4.4 - 13.2	0.060 U
1,2-Dichloroethane (EDC)	107062	0.060	5.0	2.8 - 8.4	0.060 U
Trichloroethene (TCE)	79016	0.080	5.0	1.9 - 5.7	0.080 U
1,2-Dichloropropane	78875	0.070	5.0	6.0 - 18.0	0.070 U
Bromodichloromethane	75274	0.20	5.0	2.2 - 6.6	0.20 U
2-Chloroethyl Vinyl Ether	110758	0.20	10	1.0 - 2.0	0.20 U
Trans-1,3-Dichloropropene	10061026	0.090	5.0	1.0 - 2.0	0.090 U
Toluene	108883	0.070	5.0	6.0 - 18.0	**2.3 J**
cis-1,3-Dichloropropene	542756	0.09	5.0	5.0 - 15.0	0.09 U
1,1,2-Trichloroethane	79005	0.060	5.0	5.0 - 15.0	0.060 U
Tetrachloroethene (PCE)	127184	0.050	5.0	4.1 - 12.3	**0.17 J**
Dibromochloromethane	124481	0.20	5.0	3.1 - 9.3	0.20 U
Chlorobenzene	108907	0.050	5.0	6.0 - 18.0	0.050 U
Ethylbenzene	100414	0.030	5.0	7.2 - 21.6	**0.12 J**
Bromoform	75252	0.40	5.0	4.7 - 14.1	0.40 U
1,1,2,2-Tetrachloroethane	79345	0.080	5.0	6.9 - 20.7	0.080 U
1,3-Dichlorobenzene	541731	0.060	5.0	1.9 - 7.6	0.060 U
1,4-Dichlorobenzene	106467	0.090	5.0	4.4 - 17.6	**0.30 J**
1,2-Dichlorobenzene	95501	0.060	5.0	1.9 - 7.6	0.060 U
Acrolein†	107028	2.0	50	5 - 10	2.0 U
Acrylonitrile†	107131	0.2	100	1.0 - 2.0	0.2 U

SEMI-VOLATILE ORGANIC COMPOUNDS

METHOD EPA 625	SAMPLE DATE 08/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L
1,2,4-Trichlorobenzene	120821	0.033	0.80	1.9 - 5.7	0.033 U
2,4,6-Trichlorophenol	88062	0.30	0.80	2.7 - 8.1	0.30 U
2,4-Dichlorophenol	120832	0.11	0.80	2.7 - 8.1	0.11 U
2,4-Dimethylphenol	105679	0.20	0.80	2.7 - 8.1	0.20 U
2,4-Dinitrophenol	51285	1.8	4.0	42 - 126	1.8 U
2,4-Dinitrotoluene	121142	0.19	0.80	5.7 - 17.1	0.19 U
2,6-Dinitrotoluene	606202	0.17	0.8	1.9 - 5.7	0.17 U
2-Chloronaphthalene	91587	0.038	0.80	1.9 - 5.7	0.038 U
2-Chlorophenol	95578	0.057	0.80	3.3 - 9.9	0.057 U
2-Methyl-4,6-dinitrophenol	534521	1.7	2.0	24 - 72	1.7 U
2-Nitrophenol	88755	0.086	0.80	3.6 - 10.8	0.086 U
3,3'-Dichlorobenzidine	91941	-	2.0	16.5 - 49.5	2.0 U
3-Methylcholanthrene*	56495	-	2.0	2.0 - 8.0	2.0 U
4-Bromophenyl Phenyl Ether	101553	0.056	0.80	1.9 - 5.7	0.056 U
4-Chloro-3-methylphenol	59507	0.18	0.80	3.0 - 9.0	0.18 U
4-Chlorophenyl Phenyl Ether	7005723	0.051	0.80	4.2 - 12.6	0.051 U
4-Nitrophenol	100027	1.8	2.0	2.4 - 7.2	1.8 U
Acenaphthene	83329	0.380	0.80	1.9 - 5.7	0.380 U
Acenaphthylene	208968	0.052	0.80	3.5 - 10.5	0.052 U
Anthracene	120127	0.12	0.80	1.9 - 5.7	0.12 U
Azobenzene†	122667	0.082	0.80	5.0 - 20	0.082 U
Benzo(a)anthracene	56553	0.060	0.80	7.8 - 23.4	0.060 U
Benzidine	92875	1.9	2.0	44 - 132	1.9 U
Benzo(a)pyrene	50328	0.064	0.80	2.5 - 7.5	0.064 U
Benzo(g,h,i)perylene	191242	0.14	0.80	4.1 - 12.3	0.14 U
Bis(2-chloroethoxy)methane	111911	0.052	0.80	5.3 - 15.9	0.052 U
Bis(2-chloroethyl) Ether	111444	0.066	0.80	5.7 - 17.1	0.066 U
Bis(2-Chloro-1-Methylethyl) Ether *[1]	108601	0.046	0.80	5.7 - 17.1	**0.069 J**
Total Benzofluoroanthenes[*2]		0.135	0.80	0.8 - 1.6	0.135 U

METHOD EPA 625	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Bis(2-ethylhexyl) Phthalate	117817	0.58	0.80	2.5 - 7.5	0.58 U
Butyl Benzyl Phthalate	85687	0.78	0.80	2.5 - 7.5	0.78 U
Chrysene	218019	0.079	0.80	2.5 - 7.5	0.08 U
Dibenz(a,h)acridine*	226368	-	2.0	2.5 - 10.0	2.0 U
Dibenz(a,h)anthracene	53703	0.15	0.80	2.5 - 7.5	0.15 U
Dibenz(a,j)acridine*	224420	-	2.0	2.5 - 10.0	2.0 U
Dibenzo(a,e)pyrene*	192654	-	2.0	2.5 - 10.0	2.0 U
Dibenzo(a,h)pyrene*	189640	-	2.0	2.5 - 10.0	2.0 U
Dibenzo(a,i)pyrene*	189559	-	2.0	1.3 - 5.0	2.0 U
Diethyl Phthalate	84662	0.065	0.80	1.9 - 5.7	**0.10 J**
Dimethyl Phthalate	131113	0.068	0.80	1.6 - 4.8	0.068 U
Di-n-butyl Phthalate	84742	0.73	0.80	2.5 - 7.5	0.73 U
Di-n-octyl Phthalate	117840	0.14	0.80	2.5 - 7.5	0.14 U
Fluoranthene	206440	0.069	0.80	2.2 - 6.6	0.069 U
Fluorene	86737	0.035	0.80	1.9 - 5.7	0.035 U
Hexachlorobenzene	118741	0.041	0.80	1.9 - 5.7	0.041 U
Hexachlorobutadiene	87683	0.21	0.80	0.9 - 2.7	0.21 U
Hexachlorocyclopentadiene	77474	1.1	4.0	2.0 - 4.0	1.1 U
Hexachloroethane	67721	0.21	0.80	1.6 - 4.8	0.21 U
Indeno(1,2,3-cd)pyrene	193395	0.20	0.8	3.7 - 11.1	0.20 U
Isophorone	78591	0.17	0.80	2.2 - 6.6	0.17 U
Naphthalene	91203	0.039	0.80	1.6 - 4.8	0.039 U
Nitrobenzene	98953	0.14	0.80	1.9 - 5.7	0.14 U
N-Nitrosodimethylamine	62759	0.28	0.80	2.0 - 4.0	0.28 U
N-Nitrosodi-n-propylamine	621647	0.14	0.80	0.5 - 1.0	0.14 U
N-Nitrosodiphenylamine	86306	0.082	0.80	1.0 - 2.0	0.082 U
Pentachlorophenol	87865	0.49	2.0	3.6 - 10.8	0.49 U
Perylene*	198550	-	0.80	1.9 - 7.6	0.80 U
Phenanthrene	85018	0.034	0.80	5.4 - 16.2	0.034 U
Phenol	108952	0.022	0.80	1.5 - 4.5	**0.084 J**
Pyrene	129000	0.090	0.80	1.9 - 5.7	0.090 U

† – 1,2-Diphenylhydrazine is reported as Azobenzene

ORGANOCHLORINE PESTICIDES

METHOD EPA 3520C/608	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ng/L
alpha-BHC	319846	0.51	9.4	3.0 - 9.0	0.51 U
beta-BHC	319857	46	46	6.0 - 18	46 Ui
gamma-BHC (Lindane)	58899	0.67	9.4	4.0 - 12	**0.93 JP**
delta-BHC	319868	0.46	9.4	9.0 - 27	0.46 U
Heptachlor	76448	0.51	9.4	3.0 - 9.0	0.51 U
Aldrin	309002	2.1	9.4	4.0 - 12	2.1 Ui
Heptachlor Epoxide	1024573	2.2	9.4	83 - 249	2.2 U
Endosulfan I	959988	3.2	9.4	14 - 42	**10 P**
Dieldrin	60571	0.52	9.4	2.0 - 6.0	0.52 U
4,4'-DDE	72559	0.74	9.4	4.0 - 12	0.74 U
Endrin	72208	0.53	9.4	6.0 - 18	0.53 U
Endosulfan II	33213659	0.88	9.4	4.0 - 12	0.88 U
4,4'-DDD	72548	4.1	9.4	11 - 33	4.1 Ui
Endrin Aldehyde	7421934	5.1	9.4	23 - 70	5.1 U
Endosulfan Sulfate	1031078	0.36	9.4	66 - 198	0.36 U
4,4'-DDT	50293	0.77	9.4	12 - 36	0.77 U
Toxaphene	8001352	56	470	0.24 - 0.5	56 U
Chlordane	57749	29	190	14 - 42	29 U

POLYCHLORINATED BIPHENYLS (PCBs)

METHOD EPA 3520C/608	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Aroclor-1016	12674112	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1221	11104282	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1232	11141165	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1242	53469219	0.019	0.10	0.065 - 0.195	0.02 Ui
Aroclor-1248	12672296	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1254	11097691	0.024	0.10	0.065 - 0.195	0.024 U
Aroclor-1260	11096825	0.024	0.10	0.065 - 0.195	0.024 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 signifigant relative to the sample result.

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

*[2] Sum of Benzo(b)fluoranthene (CAS 205992), Benzo(k)fluoranthene (CAS 207089), and Benzo(j)fluoranthene (CAS 205823)

BUDD INLET TREATMENT PLANT
BIOSOLIDS
2022
40 CFR Part 122 Table II, Organics, Priority Pollutants

VOLATILE ORGANIC COMPOUNDS

Method EPA 5035A 8260C	SAMPLE DATE 8/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L
Acetone	67641	64	440		**4000**
Benzene	71432	0.25	22	1 - 2	0.25 U
Bromobenzene	108861	0.40	22		0.40 U
Bromochloromethane	74975	1.1	22		1.1 U
Bromodichloromethane	75274	0.72	22	1 - 2	0.72 U
Bromoform	75252	0.63	22	1 - 2	0.63 U
Bromomethane	74839	0.90	22	5 - 10	0.90 U
2-Butanone (MEK)	78933	4.1	90		**660**
n-Butylbenzene	104518	0.32	90		0.32 U
sec-Butylbenzene	135988	0.34	90		0.34 U
tert-Butylbenzene	98066	0.63	90		0.63 U
Carbon Disulfide	75150	0.42	22		**32**
Carbon Tetrachloride	56235	0.43	22	1 - 2	0.43 U
Chlorobenzene	108907	0.30	22	1 - 2	0.30 U
Chloroethane	75003	3.4	22	1 - 2	3.4 U
Chloroform	67663	0.50	22	1 - 2	0.50 U
Chloromethane	74873	0.81	22	1 - 2	0.81 U
2-Chlorotoluene	95498	0.54	90		0.54 U
4-Chlorotoluene	106434	0.40	90		0.40 U
1,2-Dibromo-3-chloropropane	96128	1.8	90		1.8 U
Dibromochloromethane	124481	0.81	22	1 - 2	0.81 U
1,2-Dibromoethane (EDB)	106934	0.43	90		0.43 U
Dibromomethane	74953	1.3	22		1.3 U
1,2-Dichlorobenzene	95501	0.35	22	1.9 - 736	0.35 U
1,3-Dichlorobenzene	541731	0.43	22	1.9 - 7.6	0.43 U
1,4-Dichlorobenzene	106467	0.39	22	4.4 - 17.6	**14 J**
Dichlorodifluoromethane	75718	0.54	22		0.54 U
1,1-Dichloroethane	75343	0.54	22	1 - 2	0.54 U
1,2-Dichloroethane (EDC)	107062	0.32	22	1 - 2	0.32 U
1,1-Dichloroethene	75354	1.2	22	1 - 2	1.2 U
cis-1,2-Dichloroethene	156592	0.54	22		0.54 U
trans-1,2-Dichloroethene	156605	0.54	22	1 - 2	0.54 U
1,2-Dichloropropane	78875	0.59	22	1 - 2	0.59 U
1,3-Dichloropropane	142289	0.54	22		0.54 U
2,2 Dichloropropane	594207	0.45	22		0.45 U
1,1-Dichloropropene	563586	0.59	22		0.59 U

Method EPA 5035A 8260C	SAMPLE DATE 8/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L
cis-1,3-Dichloropropene	542756	0.59	22	1 - 2	0.59 U
trans-1,3-Dichloropropene	10061026	0.50	22		0.50 U
Ethylbenzene	100414	0.43	22	1 - 2	**2.2 J**
Hexachlorobutadiene	87683	1.8	90	0.5 - 1	1.8 U
2-Hexanone	591786	4.2	90		4.2 U
Isopropylbenzene	98828	0.37	90		0.37 U
4-Isopropyltoluene	99876	0.29	90		**130**
4-Methyl-2-pentanone (MIBK)	108101	8.1	90		8.1 U
Methylene Chloride	75092	0.72	45	5 - 10	**20 J**
Naphthalene	91203	0.59	90	0.4 - 0.75	0.59 U
n-Propylbenzene	103651	0.59	90		0.59 U
Styrene	100425	0.63	22		0.63 U
1,1,1,2-Tetrachloroethane	630206	0.50	22		0.50 U
1,1,2,2-Tetrachloroethane	79345	0.59	22	1.9 - 2	0.59 U
Tetrachloroethene (PCE)	127184	0.72	22	1 - 2	0.72 U
Toluene	108883	0.68	22	1 - 2	**13 J**
1,2,3-Trichlorobenzene	87616	0.86	90		0.86 U
1,2,4-Trichlorobenzene	120821	0.59	90	0.3 - 0.6	0.59 U
1,1,2-Trichloroethane	79005	0.68	22	1 - 2	0.68 U
1,1,1-Trichloroethane (TCA)	71556	0.50	22	1 - 2	0.50 U
Trichloroethene (TCE)	79016	0.68	22	1 - 2	0.68 U
Trichlorofluoromethane (CFC 11)	75694	0.39	22		0.39 U
1,2,3-Trichloropropane	96184	2.1	22		2.1 U
1,2,4-Trimethybenzene	95636	0.59	90		**3.4 J**
1,3,5-Trimethybenzene	108678	0.42	90		0.42 U
Vinyl Chloride	75014	0.81	22	1 - 2	0.81 U
o-Xylene	95476	0.37	22		**2.7 J**
m,p-Xylenes	179601231	0.45	22		**5.3 J**

SEMI-VOLATILE ORGANIC COMPOUNDS

Method EPA 3541 8270D	SAMPLE DATE 8/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L
1,2,4-Trichlorobenzene	120821	1.1	31	0.3 - 0.6	1.1 U
1,2-Dichlorobenzene	95501	0.73	31	1.9 - 736	0.73 U
1,3-Dichlorobenzene	541731	0.78	31	1.9 - 7.6	0.78 U
1,4-Dichlorobenzene	106467	0.77	31	4.4 - 17.6	0.77 U
2,4,5-Trichlorophenol	95954	0.77	31		0.77 U
2,4,6-Trichlorophenol	88062	1.3	31	2 - 4	1.3 U
2,4-Dichlorophenol	120832	0.72	31	0.5 - 1	0.72 U
2,4-Dimethylphenol	105679	3.4	31	0.5 - 1	3.4 U
2,4-Dinitrophenol	51285	13	190	1.5 - 3	13 U
2,4-Dinitrotoluene	121142	1.4	31	1 - 2	1.4 U
2,6-Dinitrotoluene	606202	0.68	31	1 - 2	0.68 U
2-Chloronaphthalene	91587	0.93	31	0.3 - 0.6	0.93 U
2-Chlorophenol	95578	0.80	31	1 - 2	0.80 U
2-Methyl-4,6-dinitrophenol	534521	3.0	190	-	3.0 U
2-Methylnaphthalene	91576	1.1	31		1.1 U
2-Methylphenol	95487	1.1	31		1.1 U
2-Nitroaniline	88744	3.9	31		3.90 U
2-Nitrophenol	88755	1.3	31	0.5 - 1	1.3 U
3,3'-Dichlorobenzidine	91941	2.5	31	2 - 14	2.5 U
3-Nitroaniline	99092	0.74	31		0.74 U
4-Bromophenyl Phenyl Ether	101553	1.3	31	0.3 - 0.5	1.3 U
4-Chloro-3-methylphenol	59507	15	31	-	15 U
4-Chloroaniline	106478	0.65	31		0.65 U
4-Chlorophenyl Phenyl Ether	7005723	0.79	31	0.3 - 0.5	0.79 U
4-Methylphenol †	106445	0.93	31		0.93 U
4-Nitroaniline	100016	0.92	190		0.92 U
4-Nitrophenol	100027	4.6	190	1 - 2	4.6 U
Acenaphthene	83329	0.87	31	0.2 - 0.4	0.87 U
Acenaphthylene	208968	0.66	31	0.3 - 0.6	0.66 U
Aniline	62533	1.2	93		1.2 U
Anthracene	120127	0.80	31	0.3 - 0.6	0.80 U
Benz(a)anthracene	56553	0.85	31	0.3 - 0.6	0.85 U
Benzo(a)pyrene	50328	1.5	31	0.5 - 1	1.5 U
Benzo(g,h,i)perylene	191242	1.1	31	0.5 - 1	1.1 U
Total Benzofluoranthenes*2		2.5	31	0.8 - 1.6	2.5 U

Method EPA 3541 8270D	SAMPLE DATE 8/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L
Benzoic Acid	65850	13	190		13 U
Benzyl Alcohol	100516	0.68	31		0.68 U
Bis(2-chloroethoxy) methane	111911	0.87	31		0.87 U
Bis(2-chloroethyl) Ether	111444	0.76	31	0.3 - 1	0.76 U
Bis(2-chloro-1-methylethyl) Ether *1	52438912	0.74	31	0.5 - 1	0.74 U
Bis(2-ethylhexyl) Phthalate	117817	0.66	31	0.3 - 1	**11 J**
Butyl Benzyl Phthalate	85687	1.4	31	0.3 - 0.6	1.4 U
Chrysene	218019	1.3	31	0.3 - 0.6	1.3 U
Dibenz(a,h)anthracene	53703	1.3	31	0.8 - 1.6	1.3 U
Dibenzofuran	132649	0.91	31		0.91 U
Diethyl Phthalate	84662	0.74	31	1.9 - 7.6	0.74 U
Dimethyl Phthalate	131113	0.71	31	1.6 - 6.4	0.71 U
Di-n-butyl Phthalate	84742	1.4	31	0.5 - 1	1.4 U
Di-n-octyl Phthalate	117840	0.93	31	0.3 - 0.6	0.93 U
Fluoranthene	206440	1.2	31	0.3 - 0.6	1.2 U
Fluorene	86737	1.3	31	0.3 - 0.6	1.3 U
Hexachlorobenzene	118741	1.5	31	0.3 - 0.6	1.5 U
Hexachlorobutadiene	87683	1.1	31	0.5 - 1	1.1 U
Hexachlorocyclopentadiene	77474	2.3	31	2 - 4	2.3 U
Hexachloroethane	67721	0.74	31	0.5 - 1	0.74 U
Indeno(1,2,3-cd)pyrene	193395	1.1	31	0.5 - 1	1.1 U
Isophorone	78591	1.1	31	0.5 - 1	1.1 U
Naphthalene	91203	1.1	31	0.4 - 0.75	1.1 U
Nitrobenzene	98953	1.1	31	0.5 - 1	1.1 U
N-Nitrosodimethylamine	62759	28	190	1 - 2	28 U
N-Nitrosodi-n-propylamine	621647	1.1	31	0.5 - 1	1.1 U
N-Nitrosodiphenylamine	86306	0.70	31	1 - 2	0.70 U
Pentachlorophenol	87865	5.9	190	0.5 - 1	5.9 U
Phenanthrene	85018	1.1	31	0.3 - 0.6	1.1 U
Phenol	108952	1.8	31	2 - 4	**40**
Pyrene	129000	0.89	31	0.3 - 0.6	0.89 U

ORGANOCHLORINE PESTICIDES

Method EPA 3541 8081B	SAMPLE DATE 8/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L
alpha-BHC	319846	1.4	4.7	0.025 - 0.05	1.4 U
beta-BHC	319857	1.3	4.7	0.025 - 0.05	1.3 U
gamma-BHC (Lindane)	58899	1.5	4.7	0.025 - 0.05	1.5 U
delta-BHC	319868	1.4	4.7	0.025 - 0.05	1.4 U
Heptachlor	76448	1.9	4.7	0.025 - 0.05	1.9 U
Aldrin	309002	2.8	9.3	0.025 - 0.05	2.8 U
Heptachlor Epoxide	1024573	3.1	9.3	0.025 - 0.05	3.1 U
gamma-Chlordane†	5566347	1.5	4.7		1.5 U
Endosulfan I	959988	1.8	4.7	0.025 - 0.05	1.8 U
alpha-Chlordane	5103719	2.0	4.7		2.0 U
Dieldrin	60571	1.1	4.7	0.025 - 0.05	1.1 U
4,4'-DDE	72559	49	49	0.025 - 0.05	49 U
Endrin	72208	1.5	4.7	0.025 - 0.05	1.5 U
Endosulfan II	33213659	3.3	9.3	0.025 - 0.05	3.3 U
4,4'-DDD	72548	2.8	9.3	0.025 - 0.05	2.8 U
Endrin Aldehyde	7421934	4.2	9.3	0.025 - 0.05	4.2 U
Endosulfan Sulfate	1031078	4.7	9.3	0.025 - 0.05	4.7 U
4,4'-DDT	50293	2.9	9.3	0.025 - 0.05	2.9 U
Endrin Ketone	53494705	2.1	7.4		2.1 U
Methoxychlor	72435	3.4	9.3		3.4 U
Toxaphene	8001352	160	470	0.24 - 0.5	160 U

POLYCHLORINATED BIPHENYLS (PCBs)

Method EPA 3541 8082A	SAMPLE DATE 8/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	ug/L
Aroclor-1016	12674112	2.3	8.9	0.05 - 0.2	2.3 U
Aroclor-1221	11104282	2.3	8.9	0.05 - 0.2	2.3 U
Aroclor-1232	11141165	2.3	8.9	0.05 - 0.2	2.3 U
Aroclor-1242	53469219	2.3	8.9	0.05 - 0.2	2.3 U
Aroclor-1248	12672296	2.3	8.9	0.05 - 0.2	2.3 U
Aroclor-1254	11097691	26	26	0.05 - 0.2	26 U
Aroclor-1260	11096825	2.3	8.9	0.05 - 0.2	**84**

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.
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 analyte cannot be separated from 3-Methlyphenol.
*1 - Previously reported as: Bis(2-chloroisopropyl) ether
*2 Sum of Benzo(b)fluoranthene (CAS 205992), Benzo(k)fluoranthene (CAS 207089) , and Benzo(j)fluoranthene (CAS 205823)

MARTIN WAY RECLAIMED WATER PLANT
PRIMARY INFLUENT
2022
TABLE II, 40 CFR Part 122, ORGANICS, PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

METHOD EPA 624	SAMPLE DATE 08/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L
Chloromethane	74873	0.060	5.0	1.0 - 2.0	0.060 U
Vinyl Chloride	75014	0.090	5.0	1.0 - 2.0	0.090 U
Bromomethane	74839	0.090	5.0	5.0 - 10.0	0.090 U
Chloroethane	75003	0.10	5.0	1.0 - 2.0	0.10 U
1,1-Dichloroethene	75354	0.080	5.0	2.8 - 8.4	0.080 U
Methylene Chloride	75092	0.30	5.0	2.8 - 8.4	0.30 U
trans-1,2-Dichloroethene	156605	0.070	5.0	1.6 - 4.8	0.070 U
1,1-Dichloroethane	75343	0.070	5.0	1.0 - 2.0	0.070 U
Chloroform	67663	0.070	5.0	1.6 - 4.8	**1.3**
1,1,1-Trichloroethane (TCA)	71556	0.070	5.0	3.8 - 11.4	0.070 U
Carbon Tetrachloride	56235	0.20	5.0	2.8 - 8.4	0.20 U
Benzene	71432	0.060	5.0	4.4 - 13.2	0.060 U
1,2-Dichloroethane (EDC)	107062	0.060	5.0	2.8 - 8.4	0.060 U
Trichloroethene (TCE)	79016	0.080	5.0	1.9 - 5.7	0.080 U
1,2-Dichloropropane	78875	0.070	5.0	6.0 - 18.0	0.070 U
Bromodichloromethane	75274	0.20	5.0	2.2 - 6.6	0.20 U
2-Chloroethyl Vinyl Ether	110758	0.20	10	1.0 - 2.0	0.20 U
Trans-1,3-Dichloropropene	10061026	0.090	5.0	1.0 - 2.0	0.090 U
Toluene	108883	0.070	5.0	6.0 - 18.0	**9.2**
cis-1,3-Dichloropropene	542756	0.090	5.0	5.0 - 15.0	0.090 U
1,1,2-Trichloroethane	79005	0.060	5.0	5.0 - 15.0	0.060 U
Tetrachloroethene (PCE)	127184	0.050	5.0	4.1 - 12.3	0.050 U
Dibromochloromethane	124481	0.20	5.0	3.1 - 9.3	0.20 U
Chlorobenzene	108907	0.050	5.0	6.0 - 18.0	0.050 U
Ethylbenzene	100414	0.030	5.0	7.2 - 21.6	0.030 U
Bromoform	75252	0.40	5.0	4.7 - 14.1	0.40 U
1,1,2,2-Tetrachloroethane	79345	0.080	5.0	6.9 - 20.7	0.080 U
1,3-Dichlorobenzene	541731	0.060	5.0	1.9 - 7.6	0.060 U
1,4-Dichlorobenzene	106467	0.090	5.0	4.4 - 17.6	**0.61**
1,2-Dichlorobenzene	95501	0.060	5.0	1.9 - 7.6	0.060 U
Acrolein†	107028	2.0	50	5 - 10	2.0 U
Acrylonitrile†	107131	0.20	100	1.0 - 2.0	0.20 U

SEMI-VOLATILE ORGANIC COMPOUNDS

METHOD EPA 625	SAMPLE DATE 08/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L
1,2,4-Trichlorobenzene	120821	1.7	9.4	1.9 - 5.7	1.7 U
2,4,6-Trichlorophenol	88062	15	15	2.7 - 8.1	15 U
2,4-Dichlorophenol	120832	5.4	9.4	2.7 - 8.1	5.4 U
2,4-Dimethylphenol	105679	9.8	9.8	2.7 - 8.1	9.8 U
2,4-Dinitrophenol	51285	88 U	88 U	42 - 126	88 U
2,4-Dinitrotoluene	121142	9.1	9.4	5.7 - 17.1	9.1 U
2,6-Dinitrotoluene	606202	8.1	9.4	1.9 - 5.7	8.1 U
2-Chloronaphthalene	91587	1.9	9.4	1.9 - 5.7	1.9 U
2-Chlorophenol	95578	2.9	9.4	3.3 - 9.9	2.9 U
2-Methyl-4,6-dinitrophenol	534521	84	84	24 - 72	84 U
2-Nitrophenol	88755	4.3	9.4	3.6 - 10.8	4.3 U
3,3'-Dichlorobenzidine	91941	4.5	9.4	16.5 - 49.5	4.5 U
3-Methylcholanthrene*	56495	-	24	2.0 - 8.0	24 U
4-Bromophenyl Phenyl Ether	101553	2.8	9.4	1.9 - 5.7	2.8 U
4-Chloro-3-methylphenol	59507	8.8	9.4	3.0 - 9.0	8.8 U
4-Chlorophenyl Phenyl Ether	7005723	2.6	9.4	4.2 - 12.6	2.6 U
4-Nitrophenol	100027	89	89	2.4 - 7.2	89 U
Acenaphthene	83329	1.9	9.4	1.9 - 5.7	1.9 U
Acenaphthylene	208968	2.6	9.4	3.5 - 10.5	2.6 U
Anthracene	120127	5.6	9.4	1.9 - 5.7	5.6 U
Azobenzene†	122667	4.1	9.4	5.0 - 20	4.1 U
Benz(a)anthracene	56553	3.0	9.4	7.8 - 23.4	3.0 U
Benzidine	92875	92	92	44 - 132	92 U
Benzo(a)pyrene	50328	3.2	9.4	2.5 - 7.5	3.2 U
Benzo(g,h,i)perylene	191242	7.0	9.4	4.1 - 12.3	7.0 U
Bis(2-chloroethoxy)methane	111911	2.6	9.4	5.3 - 15.9	2.6 U
Bis(2-chloroethyl) Ether	111444	3.3	9.4	5.7 - 17.1	3.3 U
Bis(2-Chloro-1-Methylethyl) Ether *1	108601	2.3	9.4	5.7 - 17.1	2.3 U
Total Benzofluoroanthenes*2		4.0	9.4	0.8 - 1.6	4.0 U

METHOD EPA 625	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Bis(2-ethylhexyl) Phthalate	117817	29	29	2.5 - 7.5	29 U
Butyl Benzyl Phthalate	85687	39	39	2.5 - 7.5	39 U
Chrysene	218019	4.0	9.4	2.5 - 7.5	4.0 U
Dibenz(a,h)acridine*	226368	-	24	2.5 - 10.0	24 U
Dibenz(a,h)anthracene	53703	7.2	9.4	2.5 - 7.5	7.2 U
Dibenz(a,j)acridine*	224420	-	24	2.5 - 10.0	24 U
Dibenzo(a,e)pyrene*	192654	-	24	2.5 - 10.0	24 U
Dibenzo(a,h)pyrene*	189640	-	24	2.5 - 10.0	24 U
Dibenzo(a,i)pyrene*	189559	-	24	1.3 - 5.0	24 U
Diethyl Phthalate	84662	3.3	9.4	1.9 - 5.7	3.3 U
Dimethyl Phthalate	131113	3.4	9.4	1.6 - 4.8	3.4 U
Di-n-butyl Phthalate	84742	37	37	2.5 - 7.5	37 U
Di-n-octyl Phthalate	117840	6.6	9.4	2.5 - 7.5	6.6 U
Fluoranthene	206440	3.5	9.4	2.2 - 6.6	3.5 U
Fluorene	86737	1.8	9.4	1.9 - 5.7	1.8 U
Hexachlorobenzene	118741	2.1	9.4	1.9 - 5.7	2.1 U
Hexachlorobutadiene	87683	11	11	0.9 - 2.7	11 U
Hexachlorocyclopentadiene	77474	55	55	2.0 - 4.0	55 U
Hexachloroethane	67721	11	11	1.6 - 4.8	11 U
Indeno(1,2,3-cd)pyrene	193395	9.7	9.7	3.7 - 11.1	9.7 U
Isophorone	78591	8.2	9.4	2.2 - 6.6	8.2 U
Naphthalene	91203	2.0	9.4	1.6 - 4.8	2.0 U
Nitrobenzene	98953	7.0	9.4	1.9 - 5.7	7.0 U
N-Nitrosodimethylamine	62759	14	14	2.0 - 4.0	14 U
N-Nitrosodi-n-propylamine	621647	7.0	9.4	0.5 - 1.0	7.0 U
N-Nitrosodiphenylamine	86306	4.1	9.4	1.0 - 2.0	4.1 U
Pentachlorophenol (PCP)	87865	25	25	3.6 - 10.8	25 U
Perylene*	198550	-	9.4	1.9 - 7.6	9.4 U
Phenanthrene	85018	1.7	9.4	5.4 - 16.2	1.7 U
Phenol	108952	1.1	9.4	1.5 - 4.5	**13**
Pyrene	129000	4.5	9.4	1.9 - 5.7	4.5 U

† – 1,2-Diphenylhydrazine is reported as Azobenzene

ORGANOCHLORINE PESTICIDES

METHOD EPA 3520C/608	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
alpha-BHC	319846	0.51	9.4	3.0 - 9.0	0.51 U
beta-BHC	319857	42	42	6.0 - 18	**0.45 EP**
gamma-BHC (Lindane)	58899	92	92	4.0 - 12	92 U
delta-BHC	319868	44	44	9.0 - 27	44 U
Heptachlor	76448	0.51	9.4	3.0 - 9.0	0.51 U
Aldrin	309002	27	27	4.0 - 12	27 U
Heptachlor Epoxide	1024573	2.2	9.4	83 - 249	2.2 U
Endosulfan I	959988	3.2	9.4	14 - 42	**0.021 P**
Dieldrin	60571	0.52	9.4	2.0 - 6.0	0.52 U
4,4'-DDE	72559	7.4	9.4	4.0 - 12	7.4 U
Endrin	72208	0.53	9.4	6.0 - 18	0.53 U
Endosulfan II	33213659	0.88	9.4	4.0 - 12	0.88 U
4,4'-DDD	72548	8.1	9.4	11 - 33	8.1 U
Endrin Aldehyde	7421934	5.1	9.4	23 - 70	**0.041 P**
Endosulfan Sulfate	1031078	0.36	94	66 - 198	0.36 U
4,4'-DDT	50293	0.77	9.4	12 - 36	0.77 U
Toxaphene	8001352	56.0	470	0.24 - 0.5	56 U
Chlordane	57749	29.0	190	14 - 42	29 U

POLYCHLORINATED BIPHENYLS (PCBs)

METHOD EPA 3520C/608	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Aroclor-1016	12674112	0.019	0.1	0.065 - 0.195	0.02 U
Aroclor-1221	11104282	0.019	0.10	0.065 - 0.195	0.02 U
Aroclor-1232	11141165	0.019	0.10	0.065 - 0.195	0.02 U
Aroclor-1242	53469219	0.019	0.10	0.065 - 0.195	0.02 U
Aroclor-1248	12672296	0.019	0.10	0.065 - 0.195	0.02 U
Aroclor-1254	11097691	0.024	0.10	0.065 - 0.195	0.02 U
Aroclor-1260	11096825	0.024	0.10	0.065 - 0.195	0.02 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 signifigant relative to the sample result.

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

*2 Sum of Benzo(b)fluoranthene (CAS 205992), Benzo(k)fluoranthene (CAS 207089), and Benzo(j)fluoranthene (CAS 205823)

MARTIN WAY RECLAIMED WATER PLANT
CLASS A WATER
2022
TABLE II, 40 CFR Part 122, ORGANICS, PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

METHOD EPA 624	SAMPLE DATE 08/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L
Chloromethane	74873	0.060	5.0	1.0 - 2.0	0.060 U
Vinyl Chloride	75014	0.090	5.0	1.0 - 2.0	0.090 U
Bromomethane	74839	0.090	5.0	5.0 - 10.0	0.090 U
Chloroethane	75003	0.10	5.0	1.0 - 2.0	0.10 U
1,1-Dichloroethene	75354	0.080	5.0	2.8 - 8.4	0.080 U
Methylene Chloride	75092	0.30	5.0	2.8 - 8.4	0.30 U
trans-1,2-Dichloroethene	156605	0.070	5.0	1.6 - 4.8	0.070 U
1,1-Dichloroethane	75343	0.070	5.0	1.0 - 2.0	0.070 U
Chloroform	67663	0.070	5.0	1.6 - 4.8	**21**
1,1,1-Trichloroethane (TCA)	71556	0.070	5.0	3.8 - 11.4	0.070 U
Carbon Tetrachloride	56235	0.20	5.0	2.8 - 8.4	0.20 U
Benzene	71432	0.060	5.0	4.4 - 13.2	0.060 U
1,2-Dichloroethane (EDC)	107062	0.060	5.0	2.8 - 8.4	0.060 U
Trichloroethene (TCE)	79016	0.080	5.0	1.9 - 5.7	0.080 U
1,2-Dichloropropane	78875	0.070	5.0	6.0 - 18.0	0.070 U
Bromodichloromethane	75274	0.20	5.0	2.2 - 6.6	**3.7 J**
2-Chloroethyl Vinyl Ether	110758	0.20	10	1.0 - 2.0	0.20 U
Trans-1,3-Dichloropropene	10061026	0.090	5.0	1.0 - 2.0	0.090 U
Toluene	108883	0.070	5.0	6.0 - 18.0	**0.13 J**
cis-1,3-Dichloropropene	542756	0.090	5.0	5.0 - 15.0	0.090 U
1,1,2-Trichloroethane	79005	0.060	5.0	5.0 - 15.0	0.060 U
Tetrachloroethene (PCE)	127184	0.050	5.0	4.1 - 12.3	0.050 U
Dibromochloromethane	124481	0.20	5.0	3.1 - 9.3	**0.31 J**
Chlorobenzene	108907	0.050	5.0	6.0 - 18.0	0.050 U
Ethylbenzene	100414	0.030	5.0	7.2 - 21.6	0.030 U
Bromoform	75252	0.40	5.0	4.7 - 14.1	0.40 U
1,1,2,2-Tetrachloroethane	79345	0.080	5.0	6.9 - 20.7	0.080 U
1,3-Dichlorobenzene	541731	0.060	5.0	1.9 - 7.6	0.060 U
1,4-Dichlorobenzene	106467	0.090	5.0	4.4 - 17.6	**0.18 J**
1,2-Dichlorobenzene	95501	0.060	5.0	1.9 - 7.6	0.060 U
Acrolein†	107028	2.0	50	5 - 10	2.0 U
Acrylonitrile†	107131	0.20	100	1.0 - 2.0	0.20 U

SEMI-VOLATILE ORGANIC COMPOUNDS

METHOD EPA 625	SAMPLE DATE 08/11/22				
ANALYTE	CAS #	DL	QL	RDL-RQL	µg/L
1,2,4-Trichlorobenzene	120821	0.14	0.75	1.9 - 5.7	0.14 U
2,4,6-Trichlorophenol	88062	1.2	1.2	2.7 - 8.1	1.2 U
2,4-Dichlorophenol	120832	0.43	0.75	2.7 - 8.1	0.43 U
2,4-Dimethylphenol	105679	0.78	0.78	2.7 - 8.1	0.78 U
2,4-Dinitrophenol	51285	7.0	7.0	42 - 126	7.0 U
2,4-Dinitrotoluene	121142	0.73	0.75	5.7 - 17.1	0.73 U
2,6-Dinitrotoluene	606202	0.65	0.75	1.9 - 5.7	0.65 U
2-Chloronaphthalene	91587	0.16	0.75	1.9 - 5.7	0.16 U
2-Chlorophenol	95578	0.23	0.75	3.3 - 9.9	0.23 U
2-Methyl-4,6-dinitrophenol	534521	6.7	6.7	24 - 72	6.7 U
2-Nitrophenol	88755	0.35	0.75	3.6 - 10.8	0.35 U
3,3'-Dichlorobenzidine	91941	0.36	0.75	16.5 - 49.5	0.36 U
3-Methylcholanthrene*	56495	-	1.9	2.0 - 8.0	1.9 U
4-Bromophenyl Phenyl Ether	101553	0.23	0.75	1.9 - 5.7	0.23 U
4-Chloro-3-methylphenol	59507	0.71	0.75	3.0 - 9.0	0.71 U
4-Chlorophenyl Phenyl Ether	7005723	0.22	0.75	4.2 - 12.6	0.22 U
4-Nitrophenol	100027	0.21	0.75	2.4 - 7.2	0.21 U
Acenaphthene	83329	0.15	0.75	1.9 - 5.7	0.15 U
Acenaphthylene	208968	0.21	0.75	3.5 - 10.5	0.21 U
Anthracene	120127	0.45	0.75	1.9 - 5.7	0.45 U
Azobenzene†	122667	0.33	0.75	5.0 - 20	0.33 U
Benz(a)anthracene	56553	0.24	0.75	7.8 - 23.4	0.24 U
Benzidine	92875	0.73	0.73	44 - 132	0.73 U
Benzo(a)pyrene	50328	0.26	0.75	2.5 - 7.5	0.26 U
Benzo(g,h,i)perylene	191242	0.56	0.75	4.1 - 12.3	0.56 U
Bis(2-chloroethoxy)methane	111911	0.21	0.75	5.3 - 15.9	0.21 U
Bis(2-chloroethyl) Ether	111444	0.27	0.75	5.7 - 17.1	0.27 U
Bis(2-Chloro-1-Methylethyl) Ether *1	108601	0.19	0.75	5.7 - 17.1	0.19 U
Total Benzofluoroanthenes *2		0.32	0.75	0.8 - 1.6	0.32 U

METHOD EPA 625	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Bis(2-ethylhexyl) Phthalate	117817	2.4	2.4	2.5 - 7.5	2.4 U
Butyl Benzyl Phthalate	85687	3.1	3.1	2.5 - 7.5	3.1 U
Chrysene	218019	0.32	0.75	2.5 - 7.5	0.32 U
Dibenz(a,h)acridine*	226368	-	1.9	2.5 - 10.0	1.9 U
Dibenz(a,h)anthracene	53703	0.58	0.75	2.5 - 7.5	0.58 U
Dibenz(a,j)acridine*	224420	-	1.9	2.5 - 10.0	1.9 U
Dibenzo(a,e)pyrene*	192654	-	1.9	2.5 - 10.0	1.9 U
Dibenzo(a,h)pyrene*	189640	-	1.9	2.5 - 10.0	1.9 U
Dibenzo(a,i)pyrene*	189559	-	1.9	1.3 - 5.0	1.9 U
Diethyl Phthalate	84662	0.26	0.75	1.9 - 5.7	0.26 U
Dimethyl Phthalate	131113	0.28	0.75	1.6 - 4.8	0.28 U
Di-n-butyl Phthalate	84742	2.9	2.9	2.5 - 7.5	2.9 U
Di-n-octyl Phthalate	117840	0.53	0.75	2.5 - 7.5	0.53 U
Fluoranthene	206440	0.28	0.75	2.2 - 6.6	0.28 U
Fluorene	86737	0.14	0.75	1.9 - 5.7	0.14 U
Hexachlorobenzene	118741	0.17	0.75	1.9 - 5.7	0.17 U
Hexachlorobutadiene	87683	0.84	0.84	0.9 - 2.7	0.84 U
Hexachlorocyclopentadiene	77474	4.4	4.4	2.0 - 4.0	4.4 U
Hexachloroethane	67721	0.82	0.82	1.6 - 4.8	0.82 U
Indeno(1,2,3-cd)pyrene	193395	0.78	0.78	3.7 - 11.1	0.78 U
Isophorone	78591	0.65	0.75	2.2 - 6.6	0.65 U
Naphthalene	91203	0.16	0.75	1.6 - 4.8	0.16 U
Nitrobenzene	98953	0.56	0.75	1.9 - 5.7	0.56 U
N-Nitrosodimethylamine	62759	1.1	1.1	2.0 - 4.0	1.1 U
N-Nitrosodi-n-propylamine	621647	0.56	0.75	0.5 - 1.0	0.56 U
N-Nitrosodiphenylamine	86306	0.33	0.75	1.0 - 2.0	0.33 U
Pentachlorophenol	87865	2.0	2.0	3.6 - 10.8	2.0 U
Perylene*	198550	-	0.75	1.9 - 7.6	0.75 U
Phenanthrene	85018	0.14	0.75	5.4 - 16.2	0.14 U
Phenol	108952	0.085	0.75	1.5 - 4.5	**0.10 J**
Pyrene	129000	0.36	0.75	1.9 - 5.7	0.36 U

† – 1,2-Diphenylhydrazine is reported as Azobenzene

ORGANOCHLORINE PESTICIDES

METHOD EPA 608	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ng/L
alpha-BHC	319846	0.51	9.4	3.0 - 9.0	0.51 U
beta-BHC	319857	190	190	6.0 - 18	190 U
gamma-BHC (Lindane)	58899	3.10	9.4	4.0 - 12	3.1 U
delta-BHC	319868	0.46	9.4	9.0 - 27	0.46 U
Heptachlor	76448	0.51	9.4	3.0 - 9.0	0.51 U
Aldrin	309002	0.49	9.4	4.0 - 12	0.49 U
Heptachlor Epoxide	1024573	22	9.4	83 - 249	22 U
Endosulfan I	959988	12	12	14 - 42	12 U
Dieldrin	60571	0.52	9.4	2.0 - 6.0	0.52 U
4,4'-DDE	72559	0.74	9.4	4.0 - 12	0.74 U
Endrin	72208	0.53	9.4	6.0 - 18	0.53 U
Endosulfan II	33213659	0.88	9.4	4.0 - 12	0.88 U
4,4'-DDD	72548	0.5	9.4	11 - 33	0.5 U
Endrin Aldehyde	7421934	5.1	9.4	23 - 70	5.1 U
Endosulfan Sulfate	1031078	0.36	9.4	66 - 198	0.36 U
4,4'-DDT	50293	0.77	9.4	12 - 36	0.77 U
Toxaphene	8001352	56	470	0.24 - 0.5	56 U
Chlordane	57749	29	190	14 - 42	29 U

POLYCHLORINATED BIPHENYLS (PCBs)

METHOD EPA 3520C/608	SAMPLE DATE 08/11/22				
ANALYTE	CAS	DL	QL	RDL-RQL	ug/L
Aroclor-1016	12674112	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1221	11104282	0.019	0.01	0.065 - 0.195	0.019 U
Aroclor-1232	11141165	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1242	53469219	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1248	12672296	0.019	0.10	0.065 - 0.195	0.019 U
Aroclor-1254	11097691	0.024	0.10	0.065 - 0.195	0.024 U
Aroclor-1260	11096825	0.024	0.10	0.065 - 0.195	0.024 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 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

*2 Sum of Benzo(b)fluoranthene (CAS 205992), Benzo(k)fluoranthene (CAS 207089), and Benzo(j)fluoranthene (CAS 205823)

LOCAL LIMIT EVALUATION

Total (ATF): 12.30 MGD				Domestic (ADF): 7.07 MGD				Comm/Industrial (AIF): 2.44 MGD				I&I (AIIF)[4]: 2.79 MGD			
	LOCAL LIMIT	INFLUENT LIMIT (lbs/day)		Average Concentrations (mg/l)			LL Calc[5]	Calculated Data							
				Influent[1]	Domestic[2]	I & I[3]	MAHL (lbs)	CHL	CDL	CIL	MIL	%LL	RC	MAHL	%RC
PARAMETER	(mg/l)	CALC.	ACTUAL	(C)	(D)	(E)	(F)	(G)[6]	(H)[6]	(I)	(J)	(K)	(L)	(M)	(N)
Arsenic	0.2	20.52	0.17	0.00168	0.000970	0.00127	36.7	0.17	0.057	0.085	4.72	1.80	36.52	36.64	99.69
Cadmium	0.2	20.52	0.013	0.00013	0.000159	0.00014	36.7	0.013	0.009	0.0005	4.72	0.010	36.68	36.69	99.99
Chromium	1.0	102.62	0.35	0.00344	0.00127	0.01222	183	0.35	0.075	-0.007	23.62	-0.03	183.13	183.41	99.85
Copper	0.5	51.31	4.52	0.04408	0.0861	0.02416	91.7	4.52	5.08	-1.12	11.81	-9.49	87.22	86.66	100.6
Lead	0.4	41.05	0.15	0.00143	0.00107	0.00188	73.4	0.15	0.063	0.039	9.45	0.42	73.25	73.33	99.89
Mercury	0.05	5.13	0.0176	0.00017	0.000026	0.00102	9.17	0.0176	0.0015	-0.0076	1.18	-0.64	9.16	9.17	99.82
Nickel	0.5	51.31	0.29	0.00282	0.00191	0.00316	91.7	0.29	0.11	0.103	11.81	0.87	91.45	91.63	99.81
Silver	0.2	20.52	0.027	0.00027	0.000131	0.00042	36.7	0.027	0.0077	0.010	4.72	0.21	36.67	36.69	99.95
Zinc	1.0	102.62	11.70	0.11399	0.127	0.09176	183	11.7	7.47	2.09	23.62	8.84	171.78	176.01	97.60

[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 2.79 MGD TOTAL ANNUAL FLOW – (LOWEST AVERAGE DAILY FLOW X 365) / 365

[5] Based on 22.00 MGD

[6] ATF – Average total flow 12.30 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.
Georgia-Pacific Corrugated LLC	OL-001	Not categorical	2653	Y	Y	POTW-designated SIU.
International Paper Company	LA-003	Not categorical	2653	Y	Y	POTW-designated SIU.
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.

INDUSTRIAL USER SURVEY NON-SIGNIFICANT CATEGORICAL INDUSTRIAL USERS						
Roy's Designs, Inc.	OL-011	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.
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.

INDUSTRIAL USER SURVEY MINOR INDUSTRIAL USERS					
Name of Industry	**Permit Number**	**SIC Code**	**Inspected Y/N**	**Permitted Y/N**	**Comments**
Flair Packaging			Y	N	Plastic container manufacturer. Inspected in 2022.
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.
Girard Wood Products			Y	N	Wood pallet recycler. Inspected in 2022.
Harmony Farms			Y	N	Cannabis producer/processor. Inspected in 2021.
H2O Jet, Inc.			Y	N	Pump distributer. Inspected in 2019.
Hauled Wastewater			N/A	Y	Two permitted STEP system haulers; three permitted portable toilet waste haulers, two permitted carpet cleaners, two greywater dischargers, and twenty five authorized mobile food units.
Hella Loud			Y	N	Cannabis producer/processor. Inspected in 2022.
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.
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.
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

INDUSTRIAL USER SURVEY MINOR INDUSTRIAL USERS					
Name of Industry	**Permit Number**	**SIC Code**	**Inspected Y/N**	**Permitted Y/N**	**Comments**
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.
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.
Signarama			N	N	Sign manufacturing company.
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 Solid Surface			Y	N	Stone countertop manufacturer. Inspected in 2021, and 2022.
Tri-City Meats			Y	N	Meat packaging plant. Inspected in 2022.
Valvoline Instant Oil Change			Y	N	Automobile oil change facility. Inspected in 2022.

INDUSTRIAL USER SURVEY MINOR INDUSTRIAL USERS					
Name of Industry	**Permit Number**	**SIC Code**	**Inspected Y/N**	**Permitted Y/N**	**Comments**
Washington State Department of Transportation			Y	N	Vehicle maintenance facility. Inspected in 2021.
Whole Foods Distribution Center			Y	?	Warehouse distribution center for Whole Foods. Inspected in 2022.
World Class Distribution Products			Y	N	Warehouse distribution center for Trader Joe's. Inspected in 2018.
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	15	Includes breweries, cideries, distilleries, and kombucha production.
Cannabis	48	
Cleaning services	19	Includes carpet cleaning companies, and custodial services.
Dental	120	Includes dental offices subject to dental amalgam rule, exempt facilities, and dental laboratories.
Food Service	743	Includes restaurants, grocery stores, hotels, schools, convalescent homes, and houses of worship.
Metal fabrication	34	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	425	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.

INDUSTRIAL USER SURVEY OTHER COMMERCIAL USERS		
Pool	82	Includes pools at residential apartments and recreational centers.
Printing	64	Includes; screen printers, photo processing centers, and printing facilities.
Transportation	213	Includes; automotive service centers, fleet maintenance facilities, auto body repair, vehicle washing, and gas stations.
Warehouses	17	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. All the BMPs used by LOTT are available on our website and are provided to businesses during inspections.

SIU COMPLIANCE SUMMARY

	Permitted Industrial User	Permit Effective	Permit Expires	Monitoring Frequency[1]	In Significant Non-Compliance? (Y/N)[3] Compliance[2]	1	2	3	4	5	Comments
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	03/05/25	P- 1/Year S- 12/Year	F - 0 L - 1 (6) P - 1 (13) S - 3 (7)	Y N N	 N	 N N	 N 	 	CC&S was in SNC for TRC monthly average manganese limit violation for the first evaluation period of 2022. The violations occurred in 2021.
3.	Georgia-Pacific Corrugated, LLC	09/14/22	09/13/27	P- 1/Year S- 12/Year	F - 0 L - 0 P - 0 S - 3 (2)	 N	 	 	 	 	
4.	International Paper Company	09/28/22	09/28/27	P- 1/Year S- 12/Year	F - 0 L - 0 P - 0 S - 3 (1)	 N	 	 	 	 	
5.	Pepsi Northwest Beverages, LLC	09/18/20	09/18/25	P- 1/Year S- 12/Year	F - 0 L - 0 P - 0 S - 0	 	 	 	 	 	
6.	Thurston County Waste & Recovery Center	09/29/22	09/28/27	P- 1/Year S- 12/Year	F - 0 L - 3 (9) P - 0 S - 0	 	 	 N 	 	 	

[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

NSCIU COMPLIANCE SUMMARY

	Permitted Industrial User	Permit Effective	Permit Expires	Monitoring Frequency[1]	In Compliance[2]	Significant Non-compliance (Y/N)[3] 1	2	3	4	5	Comments
1.	American Benchmark Machine Works	10/15/20	10/14/25	P- [4]	F - 0						
				S- [4]	L - 0						
					P - 0						
					S - 0						
2.	Earth Friendly Products	12/07/20	12/07/25	P- [4]	F - 0						
				S- [4]	L - 0						
					P - 0						
					S - 0						
3.	J. R. Setina Manufacturing Company, Inc.	09/29/22	09/28/27	P- [4]	F - 0						
				S- [4]	L - 0						
					P - 0						
					S - 0						
3.	Roy's Designs, Inc.	12/15/19	12/14/24	P- [4]	F - 0						
				S- [4]	L - 0						
					P - 0						
					S - 0						
3.	Winsor Fireform, LLC	12/01/18	11/30/23	P- [4]	F - 0						
				S- [4]	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

2022			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			2/15/22	3/11/22	4/14/22		5/10/22	6/3/22	7/14/22		8/10/22	9/13/22	8/4/22	10/13/22		11/14/22	12/13/22	1/13/23	
Parameter	Units	Local Limit				10/21-3/22				1/22-6/22			**LOTT**		4/22-9/22				7/22-12/22
Flow (max)	gpd	**16,000**	10,164	10,164	5,082	NO	10,164	5,082	5,082	NO	10,164	10,164	-	5,082	NO	5,082	5,082	5,082	NO
Flow (ave)	gpd	**11,000**	3,934	3,449	3,771	NO	3,727	2,951	3,388	NO	2,952	3,607	-	3,219	NO	3,279	1,863	2,295	NO
BOD (ave)	mg/L	**N/A**	688	560	240	NO	288	161	437	NO	557	731	**1,512**	227	NO	613	340	497	NO
TSS (ave)	mg/L	**N/A**	108	90.7	71.7	NO	73	120	103	NO	97	24	**14**	15	NO	22	66	15	NO
pH (min)	SU	**5.0**	6.59	6.59	5.98	NO	5.98	6.06	5.93	NO	5.96	5.67	**7.23**	5.94	NO	6.05	6.36	5.78	NO
pH (max)	SU	**11.0**	7.79	8.10	8.30	NO	8.25	9.11	8.37	NO	9.85	7.67	**7.23**	8.73	NO	7.88	8.49	8.54	NO
FOG-T (HEM)	mg/L	**N/A**	NT	14.3	5.3 U	NO	5.1 U	5.0 U	11	NO	5.7	4.8 U	**7.5**	11	NO	13	5.1 U	5.2	NO
FOG-Polar	mg/L	**300**	NT	6.42 J	0.0 U	NO	0.0 U	0.0 U	5.9 J	NO	0.6 J	0.0 J	**5.4 J**	6.5	NO	4.7 J	0.00 J	0.4 J	NO
FOG-NP (SGT)	mg/L	**100**	NT	7.88	5.3 U	NO	5.1 U	5.0 U	5.1 U	NO	5.1 U	4.8 U	**2.1 J**	4.5 J	NO	8.3	5.1 U	4.8 U	NO
Ammonia	mg/L	**N/A**	75	108	109	NO	64	89	90.3	NO	97	84	**86.3**	110	NO	137	100	67	NO
Arsenic	mg/L	**0.2**	NT	NT	NT	NO	NT	0.002	NT	NO	NT	0.0011	**0.00097**	NT	NO	NT	NT	NT	NO
Cadmium	mg/L	**0.2**	NT	NT	NT	NO	NT	0.0004 U	NT	NO	NT	0.00040 U	**0.000051**	NT	NO	NT	NT	NT	NO
Chromium	mg/L	**1.0**	NT	NT	NT	NO	NT	0.0008 U	NT	NO	NT	0.00080 U	**0.0006**	NT	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	NT	NO	NT	0.38	NT	NO	NT	0.13	**0.0488**	NT	NO	NT	NT	NT	NO
Lead	mg/L	**0.4**	NT	NT	NT	NO	NT	0.0004 U	NT	NO	NT	0.00040	**0.000472**	NT	NO	NT	NT	NT	NO
Mercury	mg/L	**0.05**	NT	NT	NT	NO	NT	0.0003 U	NT	NO	NT	0.0003 U	**0.00000067**	NT	NO	NT	NT	NT	NO
Molybdenum	mg/L	**N/A**	NT	NT	NT	NO	NT	0.37	NT	NO	NT	0.25	**0.28**	NT	NO	NT	NT	NT	NO
Nickel	mg/L	**0.5**	NT	NT	NT	NO	NT	0.011	NT	NO	NT	0.015	**0.0164**	NT	NO	NT	NT	NT	NO
Selenium	mg/L	**N/A**	NT	NT	NT	NO	NT	0.008 U	NT	NO	NT	0.0080 U	**0.0002 U**	NT	NO	NT	NT	NT	NO
Silver	mg/L	**0.2**	NT	NT	NT	NO	NT	0.0004 U	NT	NO	NT	0.0040 U	**0.000009 U**	NT	NO	NT	NT	NT	NO
Zinc	mg/L	**1.0**	NT	NT	NT	NO	NT	0.014	NT	NO	NT	0.030	**0.0398**	NT	NO	NT	NT	NT	NO
CN, total	mg/L	**0.64**	NT	NT	NT	NO	NT	0.052	NT	NO	NT	0.020 U	**0.041**	NT	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

Crown Cork and Seal

2022			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			2/14/22	3/14/22	4/6/22		5/10/22	6/10/22	7/14/22		8/15/22	9/7/22	8/30/22	10/14/22		11/15/22	12/15/22	1/13/23	
Parameter	Units	40 CFR Part 465, Subpart D				10/21-3/22				1/22-6/22			**LOTT**		4/22-9/22				7/22-12/22
Chromium (max)	gm/mmcans	**36.92**	0.34	0.35	0.40	NO	0.09	0.13	0.12	NO	0.15	0.26		0.05	NO	0.10	0.17	0.18	NO
Chromium (monthly ave)	gm/mmcans	**15.10**	0.34	0.35	0.40	NO	0.09	0.13	0.12	NO	0.15	0.20		0.05	NO	0.10	0.17	0.18	NO
Copper (max)	gm/mmcans	**159.41**	4.23	1.96	7.43	NO	0.99	0.77	1.20	NO	1.55	1.52		1.27	NO	0.89	0.93	1.13	NO
Copper (monthly average)	gm/mmcans	**83.90**	4.23	1.96	7.43	NO	0.99	0.77	1.20	NO	1.55	1.22		1.27	NO	0.89	0.93	1.13	NO
Zinc (max)	gm/mmcans	**122.49**	12.75	1.00	1.19	NO	0.61	1.41	1.09	NO	1.05	1.13		1.38	NO	0.62	0.86	0.83	NO
Zinc (monthly average)	gm/mmcans	**51.18**	12.75	1.00	1.19	NO	0.61	1.41	1.09	NO	1.05	1.02		1.38	NO	0.62	0.86	0.83	NO
Fluoride (max)	gm/mmcans	**4,992.05**	187.09	1755	907.89	NO	864.71	739.11	620.38	NO	380.39	778.56		546.34	NO	619.52	719.83	632.85	NO
Fluoride (monthly ave)	gm/mmcans	**2,214.96**	187.09	1755	907.89	NO	864.71	739.11	620.38	NO	380.39	799.79		546.34	NO	619.52	719.83	632.85	NO
Phosphorus (max)	gm/mmcans	**1,401.13**	6.89	2.51	6.24	NO	4.32	1.34	1.90	NO	2.06	6.26		1.82	NO	1.94	3.77	3.06	NO
Phosphorus (monthly ave)	gm/mmcans	**573.04**	6.89	2.51	6.24	NO	4.32	1.34	1.90	NO	2.06	1.77		1.82	NO	1.94	3.77	3.06	NO
Manganese (max)	gm/mmcans	**57.05**	6.99	9.38	10.10	YES	5.19	7.39	8.39	NO	8.24	6.37		6.19	NO	5.42	9.25	4.66	NO
Manganese (monthly ave)	gm/mmcans	**24.33**	6.99	9.38	10.10	YES	5.19	7.39	8.39	NO	8.24	5.98		6.19	NO	5.42	9.25	4.66	NO
Oil & Grease (max)*	gm/mmcans	**1,678.00**	605.58	250.78	1112.17	NO	51.88	56.31	54.74	NO	126.80	176.9		87.41	NO	379.46	325.64	159.88	NO
Oil & Grease (monthly ave)*	gm/mmcans	**1,006.80**	605.58	250.78	**1112.17**	NO	51.88	56.31	54.74	NO	126.80	125.6		87.41	NO	379.46	325.64	159.88	NO
Flow (max)	gpd	**101,000**	87,725	86,984	**107,001**	NO	81,746	62,823	74,269	NO	67,663	85,914	-	**102,767**	NO	86,304	74,738	70,214	NO
Flow (monthly ave)	gpd	**90,000**	69,047	74,425	88,451	NO	65,761	46,724	59,016	NO	48,424	56,931	-	64,487	NO	59,213	50,593	38,216	NO
pH (min)	SU	**5.0**	6.44	7.23	6.94	NO	7.07	6.76	6.66	NO	**4.20**	7.3	**8.67**	7.8	NO	7.0	7.2	7.00	NO
pH (max)	SU	**11.0**	10.0	10.54	10.30	NO	9.91	8.07	8.17	NO	**11.34**	10	**8.67**	8.94	NO	8.4	8.67	9.08	NO
		D.L.																	
Chromium (max)	mg/L	**0.007**	0.007 U	0.007 U	0.007 U	NO	0.0020	0.0037	0.0033	NO	0.0048	0.0074	**0.0037**	0.0014	NO	0.0027	0.0050	0.0054	NO
Chromium (monthly ave)	mg/L	**0.007**	0.007 U	0.007 U	0.007 U	NO	0.0020	0.0037	0.0033	NO	0.0048	0.0056		0.0014	NO	0.0027	0.0050	0.0054	NO
Copper (max)	mg/L	**0.006**	0.0860	0.0390	0.131	NO	0.023	0.022	0.033	NO	0.049	0.043	**0.026**	0.035	NO	0.023	0.027	0.034	NO
Copper (monthly average)	mg/L	**0.006**	0.0860	0.0390	0.131	NO	0.023	0.022	0.033	NO	0.049	0.035		0.035	NO	0.023	0.027	0.034	NO
Zinc (max)	mg/L	**0.006**	0.259	0.02	0.021	NO	0.014	0.040	0.030	NO	0.033	0.032	**0.026**	0.038	NO	0.016	0.025	0.025	NO
Zinc (monthly average)	mg/L	**0.006**	0.259	0.02	0.021	NO	0.014	0.04	0.030	NO	0.033	0.029		0.038	NO	0.016	0.025	0.025	NO
Fluoride (max)	mg/L	**0.2**	3.8	35	16	NO	20	21	17	NO	12	22	**23**	15	NO	16	21	19	NO
Fluoride (monthly ave)	mg/L	**0.2**	3.8	35	16	NO	20	21	17	NO	12	22.6		15	NO	16	21	19	NO
Phosphorus (max)	mg/L	**0.1**	0.14	0.05	0.11	NO	0.10	0.038 J	0.052 J	NO	0.065 J	0.050 U	**0.177**	0.050 U	NO	0.050 U	0.11	0.092 J	NO
Phosphorus (monthly ave)	mg/L	**0.1**	0.14	0.05	0.11	NO	0.10	0.038 J	0.052 J	NO	0.065 J	0.05		0.050 U	NO	0.050 U	0.11	0.092 J	NO
Manganese (max)	mg/L	**0.002**	0.142	0.187	0.178	NO	0.12	0.21	0.23	NO	0.26	0.18	**0.16**	0.17	NO	0.14	0.27 B	0.14	NO
Manganese (monthly ave)	mg/L	**0.002**	0.142	0.187	0.178	NO	0.12	0.21	0.23	NO	0.26	0.17		0.17	NO	0.14	0.27 B	0.14	NO
TTO (max)	mg/L	**0.01**	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NT	NO	NT	NT	NT	NO
TTO (monthly ave)	mg/L	**0.01**	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT		NT	NO	NT	NT	NT	NO
Oil & Grease (SGT) (max)*	mg/L	**5**	12.3	5 U	19.6	NO	1.2 U	1.6 J	1.5 J	NO	4.0 J	2.1 J	**5.0**	2.4 J	NO	9.8	9.5	4.8 U	NO
Oil & Grease (SGT)(monthly ave)*	mg/L	**5**	12.3	5 U	19.6	NO	1.2 U	1.6 J	1.5 J	NO	4.0 J	3.6 J		2.4 J	NO	9.8	9.5	4.8 U	NO

* in lieu of TTO

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

CROWN CORK & SEAL COMPANY, INC.

2022			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			2/14/22	3/14/22	4/6/22		5/10/22	6/10/22	7/14/22		8/15/22	9/7/22	8/30/22	10/14/22		11/15/22	12/15/22	1/13/23	
Parameter	Units	Local Limit				10/21-3/22				1/22-6/22					4/22-9/22				7/22-12/22
Flow (max)	gpd	**101,000**	87,725	86,984	107,001	NO	81,746	62,823	74,269	NO	67,663	85,914	-	**102,767**	NO	86,304	74,738	70,214	NO
Flow (ave)	gpd	**90,000**	69,047	74,425	88,451	NO	65,761	46,724	59,016	NO	48,424	56,931	-	64,487	NO	59,213	50,593	38,216	NO
BOD (ave)	mg/L	**N/A**	NT	NT	NT	NO	NT	45	86.00	NO	NT	NT		NT	NO	NT	110	NT	NO
TSS (ave)	mg/L	**N/A**	NT	NT	NT	NO	NT	24	14.00	NO	NT	NT		NT	NO	NT	29	NT	NO
pH (min)	SU	**5.0**	6.44	7.23	6.94	NO	7.07	6.76	6.66	NO	**4.20**	7.80	**8.67**	7.80	NO	7.00	7.2	7.00	NO
pH (max)	SU	**11.0**	10.00	10.54	10.30	NO	9.91	8.07	8.17	NO	**11.34**	10	**8.67**	8.94	NO	8.41	8.67	9.08	NO
FOG-T (HEM)	mg/L	**N/A**	NT	NT	NT	NO	4.3 J	2.5 J	5.0	NO	4.2 J	6.5	**19.6**	4.2 J	NO	10.20	13.0	4.8 U	NO
FOG-Polar	mg/L	**300**	NT	NT	NT	NO	3.1 J	0.9 J	3.5 J	NO	0.2 J	4.4 J	**14.6**	1.8 J	NO	0.40 J	3.50	0.00 J	NO
FOG-NP (SGT)	mg/L	**100**	12.3	5 U	19.6	NO	1.2 U	1.6 J	1.5 J	NO	4.0 J	2.1 J	**5.0**	2.4 J	NO	9.80	9.5	4.8 U	NO
Ammonia	mg/L	**N/A**	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	**2.76**	NT	NO	NT	NT	NT	NO
Arsenic	mg/L	**0.2**	NT	NT	NT	NO	NT	0.00053 J	NT	NO	NT	NT	**0.00009 U**	NT	NO	NT	0.00037 J	NT	NO
Cadmium	mg/L	**0.2**	NT	NT	NT	NO	NT	0.000083 J	NT	NO	NT	NT	**0.000056**	NT	NO	NT	0.000079 J	NT	NO
Chromium	mg/L	**1.0**	0.007 U	0.007 U	0.007 U	NO	0.002	0.0037	0.0033	NO	0.0048	0.0074	**0.0037**	0.0014	NO	0.0027	0.0050	0.0054	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**	0.0860	0.0390	0.1310	NO	0.023	0.022	0.033	NO	0.049	0.043	**0.026**	0.035	NO	0.023	0.027	0.034	NO
Lead	mg/L	**0.4**	NT	NT	NT	NO	NT	0.0032 B	NT	NO	NT	NT	**0.0029**	NT	NO	NT	0.0021	NT	NO
Mercury	mg/L	**0.05**	NT	NT	NT	NO	NT	0.00015 U	NT	NO	NT	NT	**0.00000164**	NT	NO	NT	0.00015 U	NT	NO
Molybdenum	mg/L	**N/A**	NT	NT	NT	NO	NT	0.017	NT	NO	NT	NT	**0.0204**	NT	NO	NT	0.021	NT	NO
Nickel	mg/L	**0.5**	NT	NT	NT	NO	NT	0.046	NT	NO	NT	NT	**0.0418**	NT	NO	NT	0.053	NT	NO
Selenium	mg/L	**N/A**	NT	NT	NT	NO	NT	0.0021 U	NT	NO	NT	NT	**0.0002**	NT	NO	NT	0.0080 U	NT	NO
Silver	mg/L	**0.2**	NT	NT	NT	NO	NT	0.000025 U	NT	NO	NT	NT	**0.000009**	NT	NO	NT	0.000025 U	NT	NO
Zinc	mg/L	**1.0**	0.259	0.020	0.021	NO	0.014	0.04	0.03	NO	0.033	0.032	**0.0258**	0.038	NO	0.016	0.025	0.025	NO
CN, total	mg/L	**0.64**	NT	NT	NT	NO	NT	0.02 U	NT	NO	NT	NT	**0.002 J**	NT	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

A & R Aviation

2022			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			2/22/22	3/3/22	4/13/22		5/9/22	6/13/22	6/20/22	7/5/22		8/4/22	9/6/22	10/4/22		11/3/22	12/2/22	1/6/23	
Parameter	Units	40 CFR Part 433 Subpart A				10/21-3/22					1/22-6/22				4/22-9/22				7/22-12/22
Cadmium Daily Max	mg/L	0.11	Zero Discharge	0.000821	Zero Discharge	NO	Zero Discharge	0.00577	0.00262	0.00634	NO	Zero Discharge	Zero Discharge	Zero Discharge	NO	Zero Discharge	Zero Discharge	Zero Discharge	NO
Cadmium Monthly Average	mg/L	0.07		0.000821		NO		0.004195		0.00634	NO				NO				NO
Chromium Daily Max	mg/L	2.77		0.0170		NO		0.0172	0.00404	0.0199	NO				NO				NO
Chromium Monthly Average	mg/L	1.71		0.0136		NO		0.01062		0.0199	NO				NO				NO
Copper Daily Max	mg/L	3.38		0.0690		NO		0.306	0.091	0.3100	NO				NO				NO
Copper Monthly Average	mg/L	2.07		0.0635		NO		0.1986		0.3100	NO				NO				NO
Lead Daily Max	mg/L	0.69		0.0011		NO		0.00617	0.00129	0.0121	NO				NO				NO
Lead Monthly Average	mg/L	0.43		0.0011		NO		0.00373		0.0121	NO				NO				NO
Nickel Daily Max	mg/L	3.98		0.00507		NO		0.0181	0.00915	0.0163	NO				NO				NO
Nickel Monthly Average	mg/L	2.38		0.00507		NO		0.013625		0.0163	NO				NO				NO
Silver Daily Max	mg/L	0.43		0.007 U		NO		0.00169	0.000205	0.00026	NO				NO				NO
Silver Monthly Average	mg/L	0.24		0.007 U		NO		0.000948		0.00026	NO				NO				NO
Zinc Daily Max	mg/L	2.61		0.1520		NO		0.0289	0.1810	0.8200	NO				NO				NO
Zinc Monthly Average	mg/L	1.48		0.1108		NO		0.235		0.8200	NO				NO				NO
CN, Daily Max	mg/L	1.20		0.02		NO		0.020 U	0.002 U	0.02 U	NO				NO				NO
CN, Monthly Average	mg/L	0.65		0.02		NO		0.235 J		0.02 U	NO				NO				NO
TTO	mg/L	2.13		NT		NO		NT	NQ	NT	NO				NO				NO

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

A & R Aviation

2022			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			2/2/22	3/3/22	4/13/22		5/9/22	6/13/22	5/24/22	7/5/22		8/4/22	9/6/22	10/4/22		11/3/22	12/2/22	1/6/23	
Parameter	Units	Local Limit				10/21-3/22			**LOTT**		1/22-6/22				4/22-9/22				7/22-12/22
Flow (max)	gpd	N/A	Zero Discharge	250	Zero Discharge	NO	Zero Discharge	250	-	290	NO	Zero Discharge	Zero Discharge	Zero Discharge	NO	Zero Discharge	Zero Discharge	Zero Discharge	NO
Flow (ave)	gpd	N/A		250		NO		250	-	274.85	NO				NO				NO
pH (min)	SU	5.0		5.26		NO		5.48	**5.02**	6.23	NO				NO				NO
pH (max)	SU	11.0		5.26		NO		5.48	**5.02**	7.43	NO				NO				NO
FOG-T (HEM)	mg/L	N/A		20.8		NO		103	**25.5**	61	NO				NO				NO
FOG-Polar	mg/L	300		18.8 J		NO		98.2 J	**22.6 J**	56.40 J	NO				NO				NO
FOG-NP (SGT)	mg/L	100		2.0 U		NO		4.8 U	**2.9 J**	4.6 U	NO				NO				NO
Arsenic	lbs/day	0.002		0.000052 U		NO		NT	**0.0000015**	0.000020	NO				NO				NO
Cadmium	lbs/day	0.002		0.0000040 J		NO		0.00001203	**0.0000055**	0.000013	NO				NO				NO
Chromium	lbs/day	0.008		0.000028 J		NO		0.00003586	**0.0000084**	0.000041	NO				NO				NO
Chromium +6	lbs/day	0.002		NT		NO		NT	**NT**	NT	NO				NO				NO
Copper	lbs/day	0.004		0.000132 J		NO		0.000638	**0.00019**	0.000646	NO				NO				NO
Lead	lbs/day	0.004		0.000027 J		NO		0.000013	**0.0000027**	0.000025	NO				NO				NO
Mercury	lbs/day	0.0004		0.0000010 U		NO		NT	**0.00000001**	0.000021 U	NO				NO				NO
Molybdenum	lbs/day	N/A		0.000046 U		NO		NT	**0.000041**	0.000065	NO				NO				NO
Nickel	lbs/day	0.004		0.000021 J		NO		0.0000377	**0.000019**	0.000034	NO				NO				NO
Selenium	lbs/day	N/A		0.000026 U		NO			**0.00000083 J**	0.000004	NO				NO				NO
Silver	lbs/day	0.002		0.000015 U		NO		0.00000352	**0.00000043**	0.00000055	NO				NO				NO
Zinc	lbs/day	0.008		0.000231		NO		0.00060	**0.00038**	0.00171	NO				NO				NO
CN, total	lbs/day	0.005		0.000031 J		NO		0.000042 U	**0.00000417 J**	0.000042 U	NO				NO				NO
CN, free	lbs/day	0.002		NT		NO		NT	**NT**	NT	NO				NO				NO

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

INTERNATIONAL PAPER COMPANY

2022			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			2/11/22	3/10/22	4/13/22		5/10/22	6/10/22	7/11/22		8/4/22	9/8/22	8/3/22	10/3/22		11/1/22	12/2/22	1/6/23	
Parameter	Units	Local Limit				10/21-3/22				1/22-6/22			**LOTT**		4/22-9/22				7/22-12/22
Flow (max)	gpd	**15,000**	13,610	9,550	7,180	NO	9,353	12,729	11,140	NO	12969	13829		9976	NO	14,180	10,911	11453	NO
Flow (ave)	gpd	**11,000**	2,324	3,077	1,814	NO	2,013	2,861	2,834	NO	2293	3591		2221	NO	3700	1711	2099	NO
BOD (ave)	mg/L	**N/A**	603	590	1147	NO	643	240.70	200	NO	1097	747	**1382**	669	NO	903	375	973	NO
TSS (ave)	mg/L	**N/A**	5.00	10.7	1.67	NO	15.7	5.0 U	67	NO	68	48	**120**	108	NO	17	71	22.00	NO
pH (min)	SU	**5.0**	6.34	6.59	6.21	NO	6.02	6.38	5.50	NO	5.90	6.5	**7.66**	5.6	NO	6.1	5.4	5.40	NO
pH (max)	SU	**11.0**	9.54	8.89	8.65	NO	8.73	8.91	8.04	NO	9.14	8.7	**7.66**	8.2	NO	8.2	8.4	8.70	NO
FOG-T (HEM)	mg/L	**N/A**	NT	NT	NT	NO	8.4	NT	NT	NO	NT	4.7 U	**4.0 J**	NT	NO	NT	NT	NT	NO
FOG-Polar	mg/L	**300**	NT	NT	NT	NO	3.6 J	NT	NT	NO	NT	0.1 J	**2.5 J**	NT	NO	NT	NT	NT	NO
FOG-NP (SGT)	mg/L	**100**	NT	NT	NT	NO	4.8 U	NT	NT	NO	NT	4.6 U	**1.5 U**	NT	NO	NT	NT	NT	NO
Ammonia	mg/L	**N/A**	26.4	58.7	92.9	NO	42.3	16.3	17.10	NO	35.60	24.5	**30.7**	23	NO	22	35	14.9	NO
Arsenic	mg/L	**0.2**	NT	NT	NT	NO	0.00155	NT	NT	NO	NT	0.00176	**0.00172**	NT	NO	NT	NT	NT	NO
Cadmium	mg/L	**0.2**	NT	NT	NT	NO	0.000031	NT	NT	NO	NT	0.000024	**0.000024**	NT	NO	NT	NT	NT	NO
Chromium	mg/L	**1.0**	NT	NT	NT	NO	0.0002 U	NT	NT	NO	NT	0.00034	**0.00035**	NT	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	NT	NO	0.0204	NT	NT	NO	NT	0.0252	**0.0473**	NT	NO	NT	NT	NT	NO
Lead	mg/L	**0.4**	NT	NT	NT	NO	0.000289	NT	NT	NO	NT	0.000641	**0.00154**	NT	NO	NT	NT	NT	NO
Mercury	mg/L	**0.05**	NT	NT	NT	NO	0.0002 U	NT	NT	NO	NT	0.0002 U	**0.00000049 J**	NT	NO	NT	NT	NT	NO
Molybdenum	mg/L	**N/A**	NT	NT	NT	NO	0.125	NT	NT	NO	NT	0.0113	**0.0116**	NT	NO	NT	NT	NT	NO
Nickel	mg/L	**0.5**	NT	NT	NT	NO	0.00612	NT	NT	NO	NT	0.0102	**0.0104**	NT	NO	NT	NT	NT	NO
Selenium	mg/L	**N/A**	NT	NT	NT	NO	0.001 U	NT	NT	NO	NT	0.001 U	**0.0002 U**	NT	NO	NT	NT	NT	NO
Silver	mg/L	**0.2**	NT	NT	NT	NO	0.00002 U	NT	NT	NO	NT	0.00002 U	**0.000009 U**	NT	NO	NT	NT	NT	NO
Zinc	mg/L	**1.0**	NT	NT	NT	NO	0.0391	NT	NT	NO	NT	0.02	**0.0288**	NT	NO	NT	NT	NT	NO
CN, total	mg/L	**0.64**	NT	NT	NT	NO	0.02 U	NT	NT	NO	NT	0.020 U	**0.003 J**	NT	NO	NT	NT	NT	NO
CN, free	mg/L	**0.25**	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NT	NT	NT	NT	NT	NO

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

2022				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				2/11/22	3/14/22	4/14/22		5/12/22	6/9/22	7/14/22		8/15/22	9/14/22	10/14/22		11/10/22	12/14/22	1/17/23	
	Parameter	Units	Local Limit				10/21-3/22				1/22-6/22				4/22-9/22				7/22-12/22
OUTFALL 001	Flow (max)	gpd	**100,000**	96,066	43,149	45,364	NO	41,718	40,404	24,313	NO	34,702	17990	1479	NO	10428	39480	49387	NO
	Flow (ave)	gpd	**50,000**	46,762	10,202	22,127	NO	16,023	9,117	3,044	NO	2,788	4198	984	NO	970	5884	40581	NO
	BOD (ave)	mg/L	**N/A**	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO
	TSS (ave)	mg/L	**N/A**	NT	NT	18.0	NO	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO
	pH (max)	SU	**N/A**	7.30	8.26	6.81	NO	7.04	6.98	6.84	NO	6.76	7.38	7.85	NO	7.47	NT	NT	NO
	TDS (ave)	mg/L	**N/A**	340	240	300	NO	240	270	330	NO	320	360	420	NO	480	NT	NT	NO
	Ammonia (ave)	mg/L	**N/A**	0.349	0.926	NT	NO	0.369	3.07	1.30	NO	0.950	1.94	1.77	NO	0.83	NT	NT	NO
	Temp (max)	° C	**N/A**	6.5	5.2	10.7	NO	10.60	13.2	15.20	NO	18.2	22.7	19.50	NO	16.6	NT	NT	NO
	Specific Conductivity (ave)	mg/L	**N/A**	3,754	3,281	4002	NO	3948	4333	560	NO	675	646	686	NO	691	NT	NT	NO
	Dissolved Oxygen (ave)	mg/L	**N/A**	6.93	240.00	4.76	NO	13.10	7.70	1.66	NO	1.74	3.96	6.13	NO	4.51	NT	NT	NO
OUTFALL 002	Flow (max)	gpd	**N/A**	2,609	2,793	2025	NO	677	518.00	347.00	NO	4,436	1369	1320	NO	2059	12153	3427	NO
	Flow (ave)	gpd	**N/A**	565	568	339	NO	243	233.00	1601.00	NO	143	301	169.6	NO	196	7449	447	NO
	BOD (ave)	mg/L	**N/A**	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO
	TSS (ave)	mg/L	**N/A**	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO
	Ammonia (ave)	mg/L	**N/A**	NT	NT	NT	NO	NT	NT	NT	NO	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

THURSTON COUNTY WATER & WASTE MANAGEMENT – WASTE & RECOVERY CENTER

2022			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			2/11/22	3/14/22	4/14/22		5/12/22	6/9/22	7/14/22		8/15/22	9/14/22	10/14/22		11/10/22	12/14/22	1/17/23	**1/3/23**	
Parameter	Units	Local Limit				10/21-3/22				1/22-6/22				4/22-9/22				**LOTT**	7/22-12/22
BOD (ave)	mg/L	**N/A**	38	26	29	NO	29	32	7.8	NO	161	70	172	NO	78	26	37	**NT**	NO
TSS (ave)	mg/L	**N/A**	14	23	24	NO	38	45	10	NO	96	51	447	NO	41	62	26	**NT**	NO
pH (min)	SU	**5.0**	6.64	6.65	6.30	NO	7.14	6.71	6.41	NO	5.86	6.92	7.15	NO	6.98	6.56	7.83	**8.27**	NO
pH (max)	SU	**11.0**	7.89	9.26	7.75	NO	7.59	7.01	6.93	NO	6.82	7.38	7.53	NO	8.44	7.13	8.26	**8.27**	NO
FOG-T (HEM)	mg/L	**N/A**	5 U	5 U	5 U	NO	16	20	7.7	NO	5 U	5 U	5 U	NO	5 U	5 U	5 U	**8.9**	NO
FOG-Polar	mg/L	**300**	5 U	5 U	5 U	NO	6	14	5 U	NO	5 U	5 U	5 U	NO	5 U	5 U	5 U	**6.1 J**	NO
FOG-NP (SGT)	mg/L	**100**	5 U	5 U	5 U	NO	10	6.0	5 U	NO	5 U	5 U	5 U	NO	5 U	5 U	5 U	**2.8 J**	NO
Ammonia	mg/L	**N/A**	0.32	5.51	4.85	NO	4.32	16.71	1.23	NO	9.1	11.10	15.50	NO	12.75	4.75	104		NO
Arsenic	mg/L	**0.2**	0.00369	0.00271	0.0144	NO	0.00366	0.00171	0.00439	NO	0.00565	0.00545	0.00252	NO	0.00279	0.00234	0.00745	**0.00740**	NO
Cadmium	mg/L	**0.2**	0.000062	0.000081	0.000177	NO	0.0001 U	0.0001 U	0.0001 U	NO	0.000221	0.0001 U	0.000559	NO	0.000168	0.0001	0.0001 U	**0.000049**	NO
Chromium	mg/L	**1.0**	0.00189	0.00302	0.00685	NO	0.00291	0.00125	0.00078	NO	0.00802	0.00237	0.0174	NO	0.00352	0.00161	0.00782	**0.00284**	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**	0.00707	0.0122	0.0204	NO	0.0201	0.0152	0.00422	NO	0.0279	0.00962	0.035	NO	0.0521	0.0185	0.0057	**0.0156**	NO
Lead	mg/L	**0.4**	0.000849	0.00127	0.00479	NO	0.00171	0.00156	0.0005 U	NO	0.00605	0.000821	0.00497	NO	0.00436	0.00214	0.00087	**0.000964**	NO
Mercury	mg/L	**0.05**	0.0001 U	0.0001 U	0.0001 U	NO	0.0001 U	0.0001 U	0.0001 U	NO	0.0001 U	0.0001 U	0.124	NO	0.00018	0.0001	0.0001	**0.0000134**	NO
Molybdenum	mg/L	**N/A**	0.00071	0.00109	0.00353	NO	0.00217	0.0004	0.00086	NO	0.00207	0.00129	0.00178	NO	0.00154	0.00041	0.00131	**0.00158**	NO
Nickel	mg/L	**0.5**	0.00474	0.00545	0.0109	NO	0.00747	0.00695	0.00349	NO	0.00916	0.0052	0.013	NO	0.00684	0.00378	0.0137	**0.00979**	NO
Selenium	mg/L	**N/A**	0.0005 U	0.00033	0.001 U	NO	0.001 U	0.001 U	0.001 U	NO	0.001 U	0.001 U	0.001 U	NO	0.001 U	0.00149	0.00321 U	**0.0002**	NO
Silver	mg/L	**0.2**	0.0001 U	0.0001 U	0.00029	NO	0.0002 U	0.0002 U	0.0002 U	NO	0.0002 U	0.0002 U	0.00071	NO	0.0003	0.0002	0.0002 U	**0.000041**	NO
Zinc	mg/L	**1.0**	0.0357	0.0797	0.965	NO	0.0917	0.0852	0.0127	NO	0.164	0.0388	0.158	NO	0.134	0.0888	0.0248	**0.0463**	NO
CN, total	mg/L	**0.64**	0.005 U	0.005	0.005 U	NO	0.005 U	0.008	0.005 U	NO	0.005	0.005 U	0.005 U	NO	0.005 U	0.005 U	0.005 U	**0.0009 J**	NO
CN, free	mg/L	**0.25**	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	**NT**	NO
TKN	mg/L	N/A	5.30	22.4	14.10	NO	19.50	50.10	2.97	NO	28.20	31.6	130.00	NO	40.4	17.4	97.8	**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

2022			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			2/11/22	3/14/22	4/6/22		5/12/22	6/10/22	7/13/22	6/2/22		8/10/22	9/13/22	10/11/22		11/8/22	12/2/22	1/4/23	
Parameter	Units	Local Limit				10/21-3/22				**LOTT**	1/22-6/22				4/22-9/22				7/22-12/22
Flow (max)	gpd	**198,000**	155,520	154,568	156,000	NO	155,009	156,236		155,490	NO	155,428	158,461	155,012	NO	157,058	155,524	136,636	NO
Flow (ave)	gpd	**144,000**	111,868	96,635	101,050	NO	109,844	121,024		124,170	NO	126,872	129,283	113,214	NO	103,295	103,452	100,310	NO
BOD (ave)	mg/L	**N/A**	2005	2295	2409	NO	1686	3170	2007	**4273**	NO	2436	1676	1789	NO	2186	2864	2068	NO
TSS (ave)	mg/L	**N/A**	NT	NT	NT	NO	NT	NT	NT	**44.0**	NO	NT	NT	NT	NO	NT	NT	NT	NO
pH (min)	SU	**5.0**	5.72	5.72	5.72	NO	5.80	5.70	5.80	**6.66**	NO	5.75	5.79	5.72	NO	5.82	5.80	5.75	NO
pH (max)	SU	**11.0**	10.75	10.78	10.78	NO	10.84	10.67	10.73	**6.66**	NO	10.82	10.58	10.74	NO	10.78	10.70	10.75	NO
FOG-T (HEM)	mg/L	**N/A**	12.5	7.1	16	NO	42.8	24.5	21	**32.3**	NO	20	34	13	NO	19	26	7.60	NO
FOG-Polar	mg/L	**300**	5.3 U	7.1	5.0	NO	5.5	7.5	7.0	**7.0**	NO	5.2 U	13	9.50 U	NO	10 U	18	0.10	NO
FOG-NP (SGT)	mg/L	**100**	11.4	5.7 U	11	NO	37.3	17.0	14	**25.3**	NO	16	21	13	NO	17	8.3	7.50	NO
Ammonia	mg/L	**N/A**	NT	NT	NT	NO	NT	NT	NT	**0.79**	NO	NT	NT	NT	NO	NT	NT	NT	NO
Arsenic	mg/L	**0.2**	NT	NT	0.0010 U	NO	NT	NT	NT	**0.00111**	NO	NT	NT	0.033	NO	NT	NT	NT	NO
Cadmium	mg/L	**0.2**	NT	NT	0.00040 U	NO	NT	NT	NT	**0.000015 J**	NO	NT	NT	0.026000	NO	NT	NT	NT	NO
Chromium	mg/L	**1.0**	NT	NT	0.0037	NO	NT	NT	NT	**0.0026**	NO	NT	NT	0.25000	NO	NT	NT	NT	NO
Chromium +6	mg/L	**0.25**	NT	NT	NT	NO	NT	NT	NT	NT	NO	NT	NT	NT	NO	NT	NT	NT	NO
Copper	mg/L	**0.5**	NT	NT	0.016	NO	NT	NT	NT	**0.0316**	NO	NT	NT	0.0041	NO	NT	NT	NT	NO
Lead	mg/L	**0.4**	NT	NT	0.0011	NO	NT	NT	NT	**0.00223**	NO	NT	NT	0.0065	NO	NT	NT	NT	NO
Mercury	mg/L	**0.05**	NT	NT	0.00030 U	NO	NT	NT	NT	**0.00000042 J**	NO	NT	NT	0.00030	NO	NT	NT	NT	NO
Molybdenum	mg/L	**N/A**	NT	NT	0.00080 U	NO	NT	NT	NT	**0.00024**	NO	NT	NT	0.33	NO	NT	NT	NT	NO
Nickel	mg/L	**0.5**	NT	NT	0.0030 U	NO	NT	NT	NT	**0.00288**	NO	NT	NT	0.017	NO	NT	NT	NT	NO
Selenium	mg/L	**N/A**	NT	NT	0.0080 U	NO	NT	NT	NT	**0.0002 U**	NO	NT	NT	0.028	NO	NT	NT	NT	NO
Silver	mg/L	**0.2**	NT	NT	0.00040 U	NO	NT	NT	NT	**0.000009 U**	NO	NT	NT	0.046	NO	NT	NT	NT	NO
Zinc	mg/L	**1.0**	NT	NT	0.043	NO	NT	NT	NT	**0.0862**	NO	NT	NT	0.039	NO	NT	NT	NT	NO
CN, total	mg/L	**0.64**	NT	NT	0.020 U	NO	NT	NT	NT	**0.0005 U**	NO	NT	NT	NT	NO	NT	NT	NT	NO
CN, free	mg/L	**0.25**	NT	NT	NT	NO	NT	NT	NT	NT	NO	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		ROY'S DESIGNS		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	Date of annual facility inspection	Date annual certification received
12/16/2022	1/30/2023	8/26/2022	1/30/2023	8/26/2022	1/18/2023	8/26/2022	1/20/2023	12/16/2022	1/30/2023

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, 2022 to December 31, 2022
Total Significant Categorical IUs: 2
Total Significant Non-categorical IUs: 4

II SIGNIFICANT INDUSTRIAL USER COMPLIANCE	SIGNIFICANT INDUSTRIAL USERS	
	Categorical	Non-categorical
No. of SIUs submitting BMRs/no. required	0 / 0	0 / 0
No. of SIUs submitting 90-day compliance reports/no. required	0 / 0	0 / 0
No. of SIUs submitting semi-annual reports/no. required	2 / 2	4 / 4
No. of SIUs meeting compliance schedule/no. required to meet schedule	0 / 0	0 / 0
No. of SIUs in SNC (categorical & non-categorical)	1	0
No. of SIUs not inspected or sampled	0	0
No. of SIUs in SNC with standards and reporting	1	0
No. of SIUs in SNC with self-monitoring	0	0
No. of SIUs in SNC with self-monitoring and not inspected or sampled	0	0
No. of SIUs in SNC/total number of SIUs	1/2	0/4

III COMPLIANCE MONITORING PROGRAM	
No. of SIUs without a permit	0
No. of SIU non-sampling inspections conducted	1
No. of SIU sampling visits conducted	6
No. of SIU facilities sampled	6
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 0/0
Notice of violations issued to SIUs	5
Administrative orders issued to SIUs	1
Civil suits filed	0
Significant violators (attach newspaper list)	1
No. of penalties collected (total dollars/IUs assessed)	0
Other SIU actions (letters of violations, sewer bans, warnings, etc.)	4

2/24/2023
Date

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

McClatchy

Beaufort Gazette
Belleville News-Democrat
Bellingham Herald
Bradenton Herald
Centre Daily Times
Charlotte Observer
Columbus Ledger-Enquirer
Fresno Bee
The Herald - Rock Hill
Herald Sun - Durham
Idaho Statesman
Island Packet
Kansas City Star
Lexington Herald-Leader
Merced Sun-Star
Miami Herald
el Nuevo Herald - Miami
Modesto Bee
Raleigh News & Observer
The Olympian
Sacramento Bee
Fort Worth Star-Telegram
The State - Columbia
Sun Herald - Biloxi
Sun News - Myrtle Beach
The News Tribune Tacoma
The Telegraph - Macon
San Luis Obispo Tribune
Tri-City Herald
Wichita Eagle

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Amount	Cols	Depth
10538	340939	Print Legal Ad-IPL00962570 - IPL0096257		$207.12	1	45 L

Attention: Justin Boyes

LOTT CLEAN WATER ALLIANCE
500 ADAMS ST NE
OLYMPIA, WA 985016911

LEGAL NOTICE

Notice of Significant Noncompliance of Pretreatment Requirements in 2021 and 2022.

The United States Environmental Protection Agency General Pretreatment Regulations (40 CFR Part 403.8) require LOTT Clean Water Alliance to annually publish a list of Industrial Users which, at any time during the previous 12 months, were in significant noncompliance with applicable Pretreatment Requirements.

For the purpose of this publication, "Pretreatment Requirements" means any substantive or procedural requirement related to pretreatment imposed on a User, other than a pretreatment standard.

During 2021, and 2022 LOTT found Crown Cork and Seal to be in significant noncompliance with the following Pretreatment Requirement:

Technical Review Criteria violation of manganese monthly average discharge limit (monthly average) for the fourth reporting period of 2021, and the first reporting period of 2022.

Crown Cork and Seal incurred the violations when an upgraded wastewater treatment system was under construction. The monthly average magnesium limit was exceeded during the months of October and November, 2021. Once the upgrade was complete Crown Cork and Seal returned to compliance, and has consistently been in compliance with manganese discharge limits.

Please direct comments to Environmental Program Manager, LOTT Clean Water Alliance, 500 Adams St. NE Olympia, WA 98501
IPL0096257
Oct 30 2022

Calandra Daniels, being duly sworn, deposes and says: That she is the Principal Clerk of The Olympian, a daily newspaper printed and published at Olympia, Thurston County, State of Washington, and having a general circulation therein, and which said newspaper has been continuously and uninterruptedly published in said County during a period of six months prior to the first publication of the notice, a copy of which is attached hereto: that said notice was published in The Olympian in accordance with RCW 65.16.020 and RCW 63.16.040, as amended, for:

No. of Insertions: 1
Beginning Issue of: 10/30/2022
Ending Issue of: 10/30/2022

Principal Clerk

Sworn to and subscribed before me this 31st day of October in the year of 2022 before me, a Notary Public, personally appeared before me Calandra Daniels known or identified to me to be the person whose name subscribed to the within instrument, and being by first duly sworn, declared that the statements therein are true, and acknowledged to me that he/she executed the same.

Stephanie Hatcher

Notary Public in and for the state of Texas, residing in Dallas County

Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!