



Discovery Clean Water Alliance



Industrial Pretreatment Program

Annual Report

2023

Discovery Clean Water Alliance
Industrial Pretreatment Program
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OBJECTIVES

The objectives of the Discovery Clean Water Alliance Industrial Pretreatment Program are:

- To protect the Publicly Owned Treatment Works (POTW) from potential harm by establishing clear standards and requirements for pretreatment of non-domestic waste. Harm to be prevented includes causing Interference or otherwise harming the POTW; causing Pass Through, or otherwise harming the receiving environment; or causing the POTW to respond to a Discharge based on a real or perceived threat.
- To protect POTW staff who may be affected by Wastewater and sludge in the course of their employment and to protect the general public.
- To promote reuse and recycling of Industrial Wastewater by Industrial Users.
- To provide high-quality end products, such as reclaimed water and biosolids from the POTW, for beneficial use.
- To provide for fees for the equitable distribution of the cost of operation, maintenance, and improvement of the POTW, as economically feasible.
- To enable the Alliance to comply with its National Pollutant Discharge Elimination System permit conditions, sludge use and disposal requirements, and any other Federal or State laws to which the POTW is subject.

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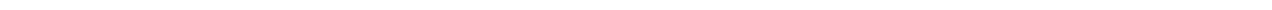


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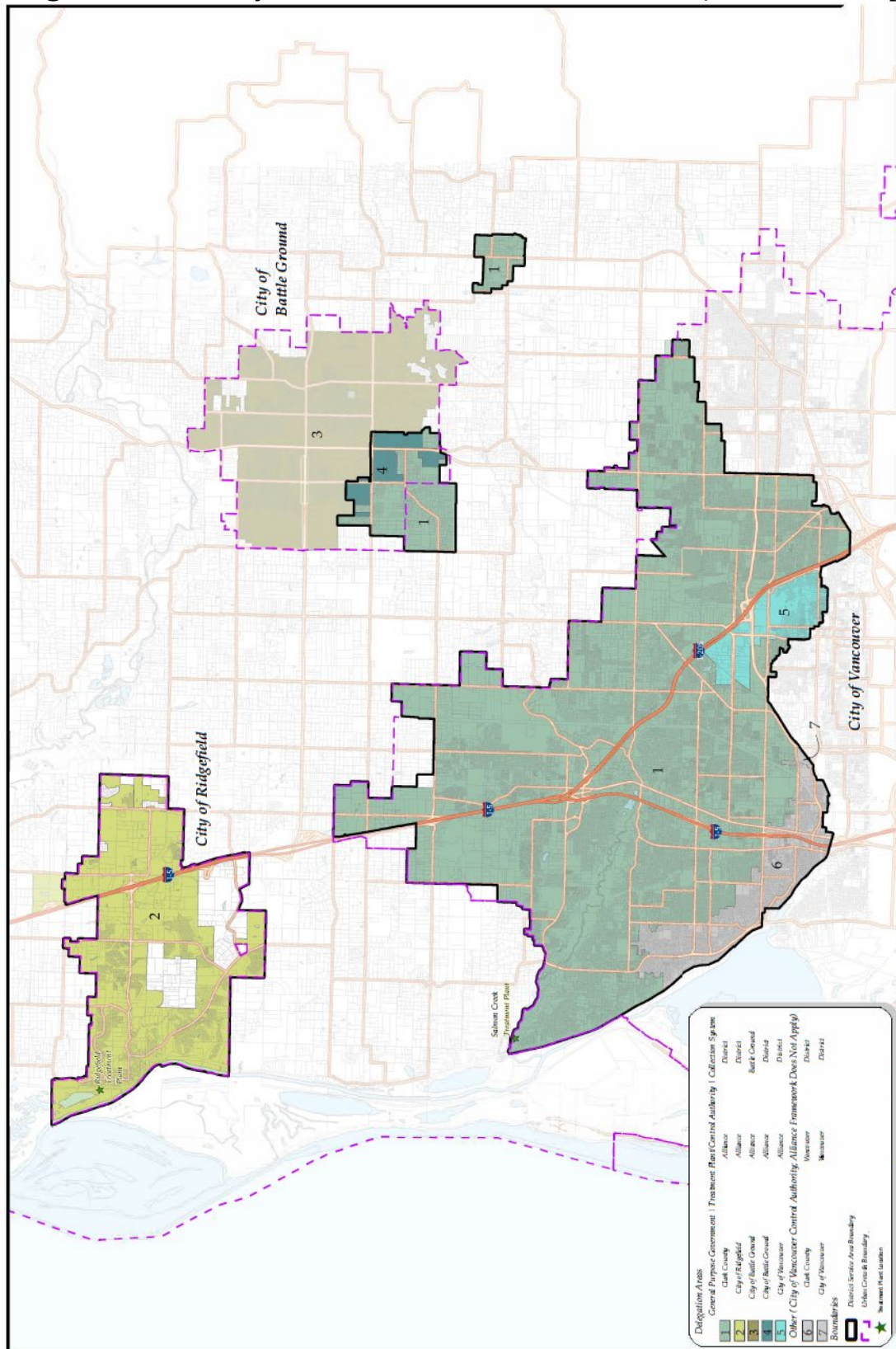
PROGRAM SUMMARY

INTRODUCTION

On January 1, 2023, the Discovery Clean Water Alliance (Alliance) was delegated authority by the Washington State Department of Ecology (Ecology) to implement an Industrial Pretreatment Program (IPP). The Alliance is an interlocal partnership that provides regional wastewater transmission and treatment services for its Members: Clark Regional Wastewater District (District), Clark County, the City of Ridgefield, and the City of Battle Ground. The Alliance contracts the District to perform administrative services, including oversight of the IPP, as well as operations of the two Alliance wastewater treatment plants and other regional assets. The District administers the IPP throughout the Alliance service area in accordance with the Alliance Pretreatment Regulations and the Interlocal Agreement among the Alliance, Clark Regional Wastewater District (District), and the City of Battle Ground. The District also has an Interlocal Agreement with the City of Vancouver to address the area of the District that flows to the City-owned Westside Treatment Plant, which is not part of the Alliance IPP. Figure 1 shows a map of the pretreatment jurisdictional boundaries for the Alliance service area.

This Annual Report has been prepared by the District on behalf of the Alliance and is submitted in accordance with Section 4.A.5 of Agreed Order 21502 (Salmon Creek Treatment Plant) and Section 4.A.5 of Agreed Order 21503 (Ridgefield Treatment Plant). The report summarizes pretreatment program activities during the 2023 calendar year.

Figure 1 - Discovery Clean Water Alliance Pretreatment Jurisdiction Map



PLANT PERFORMANCE

There were no permit violations for either Salmon Creek Treatment Plant (SCTP) or Ridgefield Treatment Plant (RTP) due to interference or inhibition from industrial sources. Priority pollutant and Whole Effluent Toxicity (WET) analyses did not detect any pollutants passing through the treatment plants at levels that would cause harm to aquatic life in the receiving waters.

PROGRAM OVERVIEW

The Alliance IPP classifies industrial users (IUs) based on the quantity and nature of their wastewater discharge and issues control documents to authorize their discharge in accordance with the Alliance Pretreatment Regulations. The classes of IUs, type and current number of control documents are summarized in Table 1 below.

Table 1 – IU Classification Summary

Class	Criteria	Control Document	No.
SIU	An IU that meets one of the following: - Is subject to the Categorical Pretreatment Standards (40 CFR 405-471); - Discharges an average of 25,000 gpd or more process wastewater to the POTW (excluding sanitary, non-contact cooling, and boiler blowdown wastewater); - Contributes 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW; or - Is designated as such by the Alliance due to reasonable potential for adversely affecting the POTW's operations	Industrial Wastewater Discharge Permit (Permit)	3
MIU	An IU that does not meet the SIU criteria but is identified as having the potential to discharge wastewater that could have an adverse impact on the POTW's operations.	Letter of Discharge (LOD)	3
FOG	An IU that has the potential to introduce wastewater containing fats, oils and grease (FOG) in quantities or concentrations that could cause interference with the POTW's operations.	N/A	398

The three (3) Significant Industrial Users (SIUs) are located in the District collections system service area and flow to the SCTP. SIUs are managed through annual facility inspections and sampling, reviewing self-monitoring reports, and enforcement actions as required by the

Pretreatment Regulations and Enforcement Response Plan (ERP). IPP staff prioritize maintaining working relationships and ongoing communication with these users to promote information-sharing and compliance.

Minor Industrial Users (MIUs) are managed through periodic facility inspections and sampling and reviewing self-monitoring reports, as required. IPP staff work with users to understand pretreatment requirements and conduct enforcement actions when necessary, per the ERP.

The majority of IUs in the Alliance IPP are classified as Fats, Oils and Grease (FOG) Users. Most are food service establishments (FSEs) and other entities that provide commercial food service or automotive facilities. FOG Users are required to install and maintain grease removal devices (GRDs) and are managed by IPP staff through routine facility inspections and pump out report reviews.

SUMMARY OF APPENDICES IN REPORT

Appendix A provides a summary of influent, effluent, and biosolids monitoring data for the SCTP, conducted in accordance with NPDES permit, biosolids management, and land application requirements. Metal concentrations remain below inhibition levels, and removal rates were consistent with previous years. Other pollutants monitored were either not detected or present at low levels. Biosolids production and land application data are also provided in this appendix.

Appendix B shows a comparison of the local limits to the Maximum Allowable Headworks Loadings (MAHLs). Influent concentrations and loadings for local limit-regulated pollutants indicate that current limits are protective of water quality, beneficial biosolids reuse, and plant performance.

Appendices C through I summarize program implementation activities, including an updated Industrial User summary, permit issuance and renewal activity, user inspections and monitoring information, program changes and resources.

Appendix J summarizes industrial user compliance and enforcement activities.

PRIORITIES AND ACCOMPLISHMENTS FOR REPORTING YEAR

Program Delegation

Ecology's approval of the Alliance IPP marked the culmination of several years of collaborative program development among the Alliance Members and Ecology. The Alliance successfully implemented the approved program in 2023, including the reissuance of the three (3) existing SIU discharge permits.

Public Education and Outreach

The Alliance and the District continue to prioritize pollution prevention education and outreach to encourage proper disposal of non-flushable products and enhance awareness of water quality issues. These efforts included newsletter distribution, the Freeze the Grease

program, and online outreach. District staff also participate in community events throughout the year to disseminate information and interact directly with customers.

Interagency Coordination and Training

IPP staff actively participate in several local, regional, and national groups to facilitate networking and knowledge-sharing in the pretreatment field. This includes membership in the Oregon Association of Clean Water Agencies (ACWA), the National Association of Clean Water Agencies (NACWA), and the Portland Metro area's Preferred Pumper Program (PPP). The District also participates in the Local Interagency Networking Cooperative (LINC), as well as the American Public Works Association (APWA) PreFOG subcommittee. IPP staff attend formal training and webinars throughout the year as available.

Wastewater Surveillance Program Participation

The Alliance continued its participation in the CDC/WEF National Wastewater Surveillance System (NWSS), providing wastewater samples to be analyzed for SARS-CoV-2 virus and other pathogens of concern. In 2024, the Alliance will continue to support this program through the Washington Department of Health to monitor and analyze wastewater data for public health purposes.

APPENDIX A: SCTP Monitoring Data

Total Metals per EPA 200 series									
1st Quarter 2023									
CAS ID#	Influent Sampled: 2/24/23				Effluent Sampled: 2/24/23				Percent Removal
	Results in mg/L (except Hg)								
	Parameter	INF	MRL	Q	Parameter	EFF	MRL	Q	
7440-36-0	Antimony	ND	0.00100		Antimony	ND	0.00100		NA
7440-38-2	Arsenic	0.00162	0.00100		Arsenic	0.00148	0.00100		9%
7440-41-7	Beryllium	ND	0.000200		Beryllium	ND	0.0000200		NA
7440-43-9	Cadmium	ND	0.000200		Cadmium	ND	0.000200		NA
7440-47-3	Chromium	ND	0.00200		Chromium	ND	0.00200		NA
7440-50-8	Copper	0.0178	0.00200		Copper	0.0042	0.00200		76%
7439-92-1	Lead	0.000480	0.000200		Lead	ND	0.000200		79%
7439-97-6	Mercury (ug/L)	0.01580	0.000500		Mercury (ug/L)	0.00143	0.000500		91%
7439-98-7	Molybdenum	0.00166	0.00100		Molybdenum	0.00118	0.00100		29%
7440-02-0	Nickel	ND	0.00200		Nickel	ND	0.00200		NA
7782-49-2	Selenium	ND	0.00100		Selenium	ND	0.00100		NA
7440-22-4	Silver	ND	0.000020		Silver	ND	0.0000200		NA
7440-28-0	Thallium	ND	0.000200		Thallium	ND	0.0000200		NA
7440-66-6	Zinc	0.07210	0.00400		Zinc	0.0342	0.00400		53%

Total Metals per EPA 200 series / HG per EPA 1631E									
2nd Quarter 2023									
CAS ID#	Influent Sampled: 4/27/23				Effluent Sampled: 4/27/23				Percent Removal
	Results in mg/L (except Hg)								
	Parameter	INF	MRL	Q	Parameter	EFF	MRL	Q	
7440-36-0	Antimony	ND	0.00100		Antimony	ND	0.00100		NA
7440-38-2	Arsenic	0.00184	0.00100		Arsenic	0.00142	0.00100		23%
7440-41-7	Beryllium	ND	0.0000200		Beryllium	ND	0.0000200		NA
7440-43-9	Cadmium	ND	0.000200		Cadmium	ND	0.000200		NA
7440-47-3	Chromium	ND	0.00100		Chromium	ND	0.00100		NA
7440-50-8	Copper	0.0630	0.00200		Copper	0.01000	0.00200		84%
7439-92-1	Lead	0.000997	0.000200		Lead	ND	0.000200		90%
7439-97-6	Mercury (ug/L)	0.0203	0.000500		Mercury (ug/L)	0.00227	0.000500		89%
7439-98-7	Molybdenum	0.00201	0.00100		Molybdenum	ND	0.00100		75%
7440-02-0	Nickel	0.00226	0.00200		Nickel	ND	0.00200		56%
7782-49-2	Selenium	ND	0.00100		Selenium	ND	0.00100		NA
7440-22-4	Silver	ND	0.0000200		Silver	ND	0.0000200		NA
7440-28-0	Thallium	ND	0.0000200		Thallium	ND	0.0000200		NA
7440-66-6	Zinc	0.11900	0.00400	B-02	Zinc	0.0371	0.00400	B-02	69%

Total Metals per EPA 200 series									
3rd Quarter 2023									
CAS ID#	Influent Sampled: 9/7/23				Effluent Sampled: 9/7/23				Percent Removal
	Results in mg/L (except Hg)								
	Parameter	INF	MRL	Q	Parameter	EFF	MRL	Q	
7440-36-0	Antimony	ND	0.00100		Antimony	ND	0.00100		NA
7440-38-2	Arsenic	0.00226	0.00100		Arsenic	0.00187	0.00100		17%
7440-41-7	Beryllium	ND	0.000020		Beryllium	ND	0.0000200		NA
7440-43-9	Cadmium	ND	0.000200		Cadmium	ND	0.000200		NA
7440-47-3	Chromium	ND	0.00200		Chromium	ND	0.00200		NA
7440-50-8	Copper	0.0475	0.00200		Copper	0.0053	0.00200		89%
7439-92-1	Lead	0.000944	0.000200		Lead	ND	0.000200		89%
7439-97-6	Mercury (ug/L)	0.01290	0.000500		Mercury (ug/L)	0.00161	0.000500		88%
7439-98-7	Molybdenum	0.00235	0.00100		Molybdenum	0.00116	0.00100		51%
7440-02-0	Nickel	0.00215	0.00200		Nickel	0.00510	0.00200		NA
7782-49-2	Selenium	ND	0.00100		Selenium	ND	0.00100		NA
7440-22-4	Silver	0.000247	0.0000200		Silver	ND	0.0000200		96%
7440-28-0	Thallium	ND	0.0000200		Thallium	ND	0.0000200		NA
7440-66-6	Zinc	0.118	0.00400		Zinc	0.0372	0.00400		68%

Total Metals per EPA 200 series / HG per EPA 1631E									
4th Quarter 2023									
CAS ID#	Influent Sampled: 11/2/23				Effluent Sampled: 11/2/23				Percent Removal
	Results in mg/L (except Hg)								
	Parameter	INF	MRL	Q	Parameter	EFF	MRL	Q	
7440-36-0	Antimony	ND	0.00100		Antimony	ND	0.00100		NA
7440-38-2	Arsenic	0.00237	0.00100		Arsenic	0.00170	0.00100		28%
7440-41-7	Beryllium	ND	0.000200		Beryllium	ND	0.000200		NA
7440-43-9	Cadmium	ND	0.000200		Cadmium	ND	0.000200		NA
7440-47-3	Chromium	ND	0.00200		Chromium	ND	0.00200		NA
7440-50-8	Copper	0.0801	0.00200		Copper	0.0797	0.00200		NA
7439-92-1	Lead	0.000730	0.000200		Lead	ND	0.000200		86%
7439-98-7	Molybdenum	0.00214	0.00100		Molybdenum	ND	0.00100		77%
7440-02-0	Nickel	0.00211	0.00200		Nickel	ND	0.00200		53%
7782-49-2	Selenium	ND	0.00100		Selenium	ND	0.00100		NA
7440-22-4	Silver	ND	0.000200		Silver	ND	0.000200		NA
7440-28-0	Thallium	ND	0.000200		Thallium	ND	0.000200		NA
7440-66-6	Zinc	0.1370	0.00400		Zinc	0.0363	0.00400		74%

< - 1/2 of the reporting limit was used for all non-detectable data in percent removal calculations.

Qualifiers:

B-02: Analyte detected in an associated blank at a level between one-half the MRL and the MRL.

Salmon Creek Treatment Plant (WA0023639)								
Priority Pollutant Monitoring								
PARAMETER	UNITS	INFLUENT	EFFLUENT	PERCENT REMOVAL	INFLUENT	EFFLUENT	PERCENT REMOVAL	BIOSOLIDS (MG/KG)
Volatile Organic Compounds (EPA 624/5035/8260C)		4/27/2023	4/27/2023		9/7/2023	9/7/2023		5/22/2023
ACROLEIN	µg/l	<5.00	<5.00	NA	<10.00	<10.00	NA	<0.710
ACRYLONITRILE	µg/l	<2.00	<2.00	NA	<2.00	<2.00	NA	<0.140
BENZENE	µg/l	<0.250	<0.250	NA	<0.200	<0.200	NA	<0.036
BROMOFORM	µg/l	<1.00	<1.00	NA	<1.00	<1.00	NA	<0.036
CARBON TETRACHLORIDE	µg/l	<1.00	<1.00	NA	<1.00	<1.00	NA	<0.036
CHLOROBENZENE	µg/l	<0.500	<0.500	NA	<0.500	<0.500	NA	<0.036
CHLORODIBROMOMETHANE	µg/l	<1.00	<1.00	NA	<1.00	<1.00	NA	<0.036
CHLOROETHANE	µg/l	<5.00	<5.00	NA	<5.00	<5.00	NA	<0.036
2-CHLOROETHYL VINYL ETHER	µg/l	<10.0	<10.0	NA	<10.0	<10.0	NA	<0.071
CHLOROFORM	µg/l	<1.00	<1.00	NA	<1.00	<1.00	NA	<0.036
DICHLOROBROMOMETHANE	µg/l	<1.00	<1.00	NA	<1.00	<1.00	NA	<0.036
1,1-DICHLOROETHANE	µg/l	<0.500	<0.500	NA	<0.400	<0.400	NA	<0.036
1,2-DICHLOROETHANE	µg/l	<0.500	<0.500	NA	<0.400	<0.400	NA	<0.036
1,1,1-DICHLOROETHYLENE	µg/l	<0.500	<0.500	NA	<0.400	<0.400	NA	<0.036
1,2-DICHLOROPROPANE	µg/l	<0.500	<0.500	NA	<0.500	<0.500	NA	<0.036
1,3-DICHLOROPROPYLENE	µg/l	<1.00	<1.00	NA	<1.00	<1.00	NA	<0.036
ETHYLBENZENE	µg/l	<0.920	<0.500	NA	<0.500	<0.500	NA	<0.036
METHYL BROMIDE	µg/l	<0.500	<0.500	NA	<5.00	<5.00	NA	<0.036
METHYL CHLORIDE	µg/l	<5.00	<5.00	NA	<5.00	<5.00	NA	<0.036
METHYLENE CHLORIDE	µg/l	<10.0	<10.0	NA	<10.0	<10.0	NA	<0.071
1,1,2,2-TETRACHLOROETHANE	µg/l	<0.500	<0.500	NA	<0.500	<0.500	NA	<0.036
TETRACHLOROETHYLENE	µg/l	<0.500	<0.500	NA	<0.400	<0.400	NA	<0.036
TOLUENE	µg/l	1.44	<1.00	65%	1.35	<1.00	63%	0.057
1,2-TRANS-DICHLOROETHYLENE	µg/l	<0.500	<0.500	NA	<0.400	<0.400	NA	<0.036
1,1,1-TRICHLOROETHANE	µg/l	<0.500	<0.500	NA	<0.400	<0.400	NA	<0.036
1,1,2-TRICHLOROETHANE	µg/l	<0.500	<0.500	NA	<0.500	<0.500	NA	<0.036
TRICHLOROETHYLENE	µg/l	<0.500	<0.500	NA	<0.400	<0.400	NA	<0.036
VINYL CHLORIDE	µg/l	<0.500	<0.500	NA	<0.200	<0.200	NA	<0.036
Tentatively Identified Compounds (TICs)								
Dimethyl sulfide	µg/l	2.8	<5.0		8.0	<5.0		
D-Limonene	µg/l	2.1	<5.0		1.3	<5.0		
Isopropyl Alcohol	µg/l	18	<5.0		3	<5.0		
Methanethiol	µg/l	1	<5.0		24	<5.0		
Dimethyl trisulfide	µg/l	NT	NT		1.7	<5.0		
Disulfide, dimethyl	µg/l	NT	NT		14	<5.0		
Sulfur dioxide	µg/l	NT	NT		120	<5.0		
Pesticides/PCBs (EPA 608.3)								
ALDRIN	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.014
ALPHA-BHC	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.0068
BETA-BHC	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.0068
GAMMA-BHC	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.092
DELTA-BHC	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.0068
CHLORDANE	µg/l	<0.781	<0.714	NA	NT	NT	NA	<0.0068
4,4-DDT	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.014
4,4-DDE	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.0068
4,4-DDD	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.014
DIELDRIN	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.0068
ALPHA-ENDOSULFAN	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.0068
BETA-ENDOSULFAN	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.014
ENDOSULFAN SULFATE	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.014
ENDRIN	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.0068
ENDRIN ALDEHYDE	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.014
HEPTACHLOR	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.0068
HEPTACHLOR EPOXIDE	µg/l	<0.0625	<0.0571	NA	NT	NT	NA	<0.014
PCB-1242	µg/l	<0.100	<0.0943	NA	NT	NT	NA	<0.036
PCB-1254	µg/l	<0.100	<0.0943	NA	NT	NT	NA	<0.036
PCB-1221	µg/l	<0.100	<0.0943	NA	NT	NT	NA	<0.036
PCB-1232	µg/l	<0.100	<0.0943	NA	NT	NT	NA	<0.036
PCB-1248	µg/l	<0.100	<0.0943	NA	NT	NT	NA	<0.036
PCB-1260	µg/l	<0.100	<0.0943	NA	NT	NT	NA	<0.036
PCB-1016	µg/l	<0.100	<0.0943	NA	NT	NT	NA	<0.036
TOXAPHENE	µg/l	<2.08	<1.90	NA	NT	NT	NA	<0.680

Salmon Creek Treatment Plant (WA0023639)								
Priority Pollutant Monitoring								
PARAMETER	UNITS	INFLUENT	EFFLUENT	PERCENT REMOVAL	INFLUENT	EFFLUENT	PERCENT REMOVAL	BIOSOLIDS (MG/KG)
Semivolatile Organic Compounds (EPA 625.1)		4/27/2023	4/27/2023		9/7/2023	9/7/2023		5/22/2023
2-CHLOROPHENOL	µg/l	<2.50	<0.258	NA	<2.22	<0.481	NA	<75
2,4-DICHLOROPHENOL	µg/l	<2.50	<0.258	NA	<2.22	<0.481	NA	<75
2,4-DIMETHYLPHENOL	µg/l	<2.50	<0.258	NA	<2.22	<0.481	NA	<75
4,6-DINITRO-O-CRESOL	µg/l	<12.5	<1.29	NA	<11.1	<2.40	NA	<460
2,4-DINITROPHENOL	µg/l	<12.5	<1.29	NA	<11.1	<2.40	NA	<460
2-NITROPHENOL	µg/l	<5.00	<0.515	NA	<4.44	<0.962	NA	<75
4-NITROPHENOL	µg/l	<5.00	<0.515	NA	<4.44	<0.962	NA	<460
P-CHLORO-M-CRESOL	µg/l	<5.00	<0.515	NA	<4.44	<0.962	NA	<2.0
PENTACHLOROPHENOL	µg/l	<5.00	<0.515	NA	<4.44	<0.962	NA	<460
PHENOL	µg/l	21.1	<1.03	98%	16.1	<1.92	94%	<75
2,4,6-TRICHLOROPHENOL	µg/l	<2.50	<0.258	NA	<2.22	<0.481	NA	<75
ACENAPHTHENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
ACENAPHTHYLENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
ANTHRACENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
BENZIDINE	µg/l	EST<25.0	EST<2.58	NA	<22.2	<4.81	NA	<460
BENZO(A)ANTHRACENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
BENZO(A)PYRENE	µg/l	<0.750	<0.0773	NA	<0.667	<0.144	NA	<75
3,4 BENZO-FLUORANTHENE	µg/l	<0.750	<0.0773	NA	<0.667	<0.144	NA	<75
BENZO(K)FLUORANTHENE	µg/l	<0.750	<0.0773	NA	<0.667	<0.144	NA	<75
BENZO(GH)PERYLENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
BIS (2-CHLOROETHOXY) METHANE	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
BIS (2-CHLOROETHYL)-ETHER	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
BIS (2-CHLOROISO-PROPYL) ETHER	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
BIS (2-ETHYLHEXYL) PHTHALATE	µg/l	<10.0	5.49	NA	<8.89	<1.92	NA	<75
BIS (2-ETHYLHEXYL) PHTHALATE*	µg/l	<8.42	0.749	82%	NA	NA	NA	NA
BIS (2-ETHYLHEXYL) PHTHALATE**	µg/l	45.4	0.533	99%	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
BUTYL BENZYL PHTHALATE	µg/l	<10.0	<1.03	NA	<8.89	<1.92	NA	<76
2-CHLORONAPHTHALENE ****	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
4-CHLOROPHENYL PHENYL ETHER	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
CHRYSENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
DIBENZO(A,H) ANTHRACENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
1,2-DICHLOROBENZENE	µg/l	<0.500	<0.500	NA	<0.500	<0.500	NA	<75
1,3-DICHLOROBENZENE	µg/l	<0.500	<0.500	NA	<0.500	<0.500	NA	<75
1,4-DICHLOROBENZENE	µg/l	<0.500	<0.500	NA	<0.500	<0.500	NA	<75
3,3-DICHLOROBENZIDINE	µg/l	EST<25.0	EST<2.58	NA	EST<22.2	EST<4.81	NA	<75
DIETHYL PHTHALATE	µg/l	<10.0	<1.03	NA	<8.89	<1.92	NA	<75
DIMETHYL PHTHALATE	µg/l	<10.0	<1.03	NA	<8.89	<1.92	NA	<75
2,4-DINITROTOLUENE	µg/l	<5.00	<0.515	NA	<4.44	<0.962	NA	<75
2,6-DINITROTOLUENE	µg/l	<5.00	<1.03	NA	<4.44	<0.962	NA	<75
DI-N-OCTYL PHTHALATE	µg/l	<10.0	<1.03	NA	<8.89	<1.92	NA	<75
DI-N-BUTYL PHTHALATE	µg/l	<10.0	<1.03	NA	<8.89	<1.92	NA	<76
1,2-DIPHENYLHYDRAZINE	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
FLUORANTHENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
FLUORENE***	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75

Qualifiers:

J: Estimated Result. Result detected below lowest point of calibration curve, but above specified MDL.

* additional sample collected for Bis(2-ethylhexyl)phthalate only, 2/24/23

** additional sample collected for Bis(2-ethylhexyl)phthalate only, 11/2/23

*** Q-30: Recovery for Lab Control Spike (LCS) is below the lower control limit. Data may be biased low.

NT = not tested

Salmon Creek Treatment Plant (WA0023639)								
Priority Pollutant Monitoring								
PARAMETER	UNITS	INFLUENT	EFFLUENT	PERCENT REMOVAL	INFLUENT	EFFLUENT	PERCENT REMOVAL	BIOSOLIDS (MG/KG)
HEXACHLOROBENZENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
HEXACHLOROBUTADIENE****	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
HEXACHLOROCYCLOPENTADIENE****	µg/l	<2.50	<0.258	NA	<2.22	<0.481	NA	<75
HEXACHLOROETHANE ****	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
INDENO(1,2,3-CD) PYRENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
ISOPHORONE	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
NAPHTHALENE	µg/l	<1.00	<0.103	NA	<0.889	<0.192	NA	<75
NITROBENZENE	µg/l	<5.00	<0.515	NA	<4.44	<0.962	NA	<75
N-NITROSODI-N-METHYLAMINE	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<460
N-NITROSODI-N-PROPYLAMINE	µg/l	<4.00	<0.129	NA	<5.33	<0.481	NA	<75
N-NITROSODI-N-PHENYLAMINE	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
PHENANTHRENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
PYRENE	µg/l	<0.500	<0.0515	NA	<0.444	<0.0962	NA	<75
1,2,4-TRICHLOROBENZENE ****	µg/l	<1.25	<0.129	NA	<1.11	<0.240	NA	<75
Tentatively Identified Compounds (TICs)								
.beta.-Sitosterol	µg/l	37	NT		28	NT		
.gamma.-Sitosterol	µg/l	NT	1.2		26	NT		
1,4-Benzenedicarboxylic acid, bis(	µg/l	38	7.2		NT	NT		
1-Hexanol, 2-ethyl-	µg/l	NT	1.9		NT	2.5		
1-Tetradecanamine, N,N-dimethyl-	µg/l	21	NT		32	NT		
9-Octadecenoic acid, (E)-	µg/l	370	NT		230	NT		
Benzeneacetic acid	µg/l	38	NT		78	NT		
Caffeine	µg/l	41	NT		45	NT		
Cholesterol	µg/l	49	3.1		170	NT		
Cholesterol	µg/l	150	5.8		210	NT		
Cyclodecane	µg/l	23	NT		31	NT		
Cyclohexadecane	µg/l	38	1.7		NT	NT		
Dodecanoic acid	µg/l	64	NT		51	NT		
E-15-Heptadecenal	µg/l	42	NT		NT	NT		
Ethanol, 2-(dodecyloxy)-	µg/l	16	NT		NT	NT		
Ethanol, 2-phenoxy-	µg/l	19	NT		33	NT		
Indole	µg/l	16	NT		NT	NT		
n-Decanoic acid	µg/l	34	NT		25	NT		
n-Hexadecanoic acid	µg/l	420	2.1		NT	NT		
Squalene	µg/l	92	4.9		180	NT		
Tetradecanoic acid	µg/l	56	NT		69	NT		
Vitamin E	µg/l	26	NT		NT	NT		
1-Octadecene	µg/l	NT	2.0		NT	NT		
7-Acetyl-6-ethyl-1,1,4,4-tetrameth	µg/l	NT	1.2		NT	NT		
17-(1,5-Dimethylhexyl)-10,13-dimet	µg/l	NT	NT		110	NT		
n-Nonadecanol-1	µg/l	NT	NT		78	NT		
n-Pentadecanol	µg/l	NT	NT		68	NT		
Benzenepropanenitrile, .beta.-phen	µg/l	NT	NT		NT	2.8		
1,3-Benzenedicarboxylic acid, bis(	µg/l	NT	NT		63	10		
Octadecanoic acid	µg/l	NT	1.6		160	NT		

Salmon Creek Treatment Plant (WA0023639)					
Priority Pollutant Monitoring					
PARAMETER	UNITS	INFLUENT	EFFLUENT	PERCENT REMOVAL	BIOSOLIDS (mg/kg)
PERMIT-SPECIFIED PARAMETERS		4/27/2023	4/27/2023		5/22/2023
PHENOLICS, TOTAL	MG/L	0.081	0.15	NA	2.1
CYANIDE	MG/L	0.0109	<0.00500	77%	1.63
OIL & GREASE (Total)	MG/L	20.4	<4.85	88%	NT
PHOSPHORUS	MG/L	6.18	1.62	74%	26500
SULFATE	MG/L	17.7	19.1	NA	6260
SULFIDE	MG/L	.011 (J)	<0.05	NA	1520
CHLORIDE	MG/L	42.8	48.7	NA	NT
FLUORIDE	MG/L	<1.00	<1.00	NA	<15
BORON	MG/L	0.126	0.161	NA	32.0
NITRATE	MG/L	0.0220	11.20	NA	<10
TOTAL INORGANIC NITROGEN	MG/L	45.9	1.76	96%	21400
ACETONE (4/27/23 sample date)	µg/l	226	<20.0	96%	<140
ACETONE (9/7/23 sample date)	µg/l	102	<20.0	90%	NT
STYRENE (4/27/23 sample date)	µg/l	<1.00	<1.00	NA	<36
STYRENE (9/7/23 sample date)	µg/l	<1.00	<1.00	NA	NT
IRON	MG/L	0.389	<0.0500	94%	4880
HARDNESS	MG/L	107	95	11%	NA
SALINITY	G/KG	<2.0	<2.0	NA	NA
TOTAL DISSOLVED SOLIDS	MG/L	365	343	6%	NA

Salmon Creek Wastewater Treatment Plant Biosolids Testing Results 2023									
Total Metals Units:mg/Kg (ppm), dry wt.									
Analyte	Analysis Method	Threshold	Event 1 1-Feb	Event 2 27-Mar	Event 3 22-May	Event 4 7-Jul	Event 5 18-Oct	Event 6 14-Dec	Annual Average
Arsenic (As)	6020A	41	5.5	5.7	4.1	6.3	6.2	7.5	6.0
Cadmium (Cd)	6020A	39	0.99	0.91	1.17	1.09	1.16	1.06	1.06
Chromium (Cr)	6020A	1200	20.7	20	19.8	23.4	21.8	17.4	20.5
Copper (Cu)	6020A	1500	246	263	274	291	287	293	276
Lead (Pb)	6020A	300	6.49	6.64	7.55	6.80	7.50	7.22	7.03
Mercury (Hg)	7471B	17	1.16	0.34	0.74	0.31	0.65	0.71	0.65
Molybdenum (Mo)	6020A	75	13.7	18.5	21.6	23.2	21.3	25.5	20.6
Nickel (Ni)	6020A	420	15.8	18.8	18.8	15.2	17.8	13.6	16.7
Selenium (Se)	6020A	36	7.1	7.3	8.3	7.9	<8.4	7.4	7.6
Zinc (Zn)	6020A	2800	871	879	938	1070	1010	1040	968
Silver (Ag)	6020A		2.06	2.85	3.77	2.62	2.50	2.27	2.68
Beryllium (Be)	6020A		0.120	<0.1	<0.15	<0.13	<0.17	<0.51	0.12
Antimony (Sb)	6020A		1.68	1.75	2.22	2.33	2.54	2.33	2.14
Thallium (Tl)	6020A		<0.12	<0.1	<0.15	<0.13	<0.17	<0.13	ND
*Chromium VI (Cr 6)	SW7196A		<14.1	<13.6	<14.2	<14.1	<14.5	<15.1	ND
*Chromium VI testing per General Permit Biosolids Management (page 23).									
Biosolids Nutrient Analysis Units: mg/kg dry									
Analyte	EPA Method								Average
Ammonia-Nitrogen	SM4500-NH3G	16,800	13,800	21,400	13,800	21,900	12,700	16,733	
Total Kjeldahl Nitrogen	351.4	67,500	70,900	63,900	66,000	78,300	73,900	70,083	
Total Solids %	SM2540G	15.40	14.7	14.0	14.1	13.8	13.4	14.23	
Total Volatile Solids (mg/kg)	SM2540G	77.9	65.3	74.0	62.7	54.8	91.5	71.0	
Phosphorus	SM4500-PB+E	26,700	27,500	26,500	29,000	30,300	24,200	27,367	
Nitrate-Nitrogen	353.2M/353.2M	<8	<8	<10	<1.3	<21	<9	ND	
Nitrite-Nitrogen	353.2M	<8.1	<7.8	<9.4	<8.9	<21	15.5	15.5	
pH	9045D	7.78	7.98	7.72	8.02	8.15	8.18	N/A	

2023 - ANNUAL BIOSOLIDS (SLUDGE) PRODUCTION REPORT

BFPS Throughput:			
	Cubic Yards	Dry Pounds	Wet Pounds
January	1,393	339,302	2,396,143
February	1,261	298,401	2,169,747
March	1,331	317,076	2,289,977
April	1,219	292,985	2,096,037
May	1,425	334,358	2,450,254
June	1,626	403,638	2,797,051
July	1,289	315,375	2,217,315
August	1,290	298,966	2,219,355
September	1,299	266,363	2,234,134
October	1,242	289,162	2,136,221
November	1,233	284,352	2,121,231
December	1,299	307,056	2,234,134
Total	15,907.91	3,747,034	27,361,599
Tons Processed		1,874	13,681
Metric Tons		1,700	12,411

DRY TON BALANCE:	
From Ridgefield	0.00
Processed (no RF)	1873.52
Total Processed	1873.52
To Long (NSF)	1151.84
To Local (M&J)	192.44
To Local (Denali)	66.85
Total Applied	1411.13
Est. Recycled Dry Tons	462.39

Monthly Dry Tons Hauled			
	NSF	M&J	Denali
January	116.19		
February	88.92		
March	137.55		
April	103.71		
May	71.02		
June			
July			
August		192.44	66.85
September	166.96		
October	158.6		
November	153.84		
December	155.05		
Total	1151.84	192.44	66.85

Current Avg. TS (Annual Summary) = **13.80**
 Estimated Ave. Capture Rate % **73.4**

Visual Levels of Biosolids Storage Bays (2023)

	Visual CY Bay 1	Visual CY Bay 2	Visual CY Bay 3	Visual CY Bay 4	Total est. CY (94.1/log)	Estimate WT (x 0.86)	Dry Tons Hauled	Estimated Bay DT (at avg TS%)
Previous Year Carryover >					659	566.74		80.6
JAN	188	0	0	471	659	567	116	78
FEB	188	0	0	1,318	1,506	1,295	89	179
MAR	94	0	0	753	847	728	138	101
APR	0	0	0	753	753	648	104	89
MAY	0	0	0	1,035	1,035	890	71	123
JUN	94	659	0	1,224	1,977	1,700	0	235
JUL	0	847	1,130	1,224	3,201	2,753	0	380
AUG	94	941	1,224	1,318	3,577	3,076	259	425
SEP	0	0	565	1,318	1,883	1,619	167	223
OCT	23	0	47	1,318	1,388	1,194	159	165
NOV	94	0	0	659	753	648	154	89
DEC	0	0	0	377	377	324	155	44.7

Assumptions:

94.1 CY per foot = each section (188.27 CY/entire stop log height)

0.86 x cubic yards = wet tons

TOTAL DRY TONS PRODUCED IN 2023 = 1,375.22

Dry Metric Tons = 1,247.60

APPENDIX B: Local Limits Evaluation

Parameter	Avg Inf Conc (mg/L)	Actual Loading (lbs/day)	MAHL* (lbs/day)	Safety Factor
Arsenic	0.00202	0.157	2.86	18
Cadmium	<0.0002	>0.016	>0.79	>51
Chromium	<0.002	>0.155	>4.01	>26
Copper	0.05210	4.042	39.3	10
Lead	0.00079	0.061	3.99	65
Mercury (ug/L)	0.01633	0.0013	0.1582	125
Molybdenum	0.00204	0.158	1.07	7
Nickel	0.00217	0.169	10.66	63
Selenium	<0.001	>0.078	>0.83	>11
Silver	0.00025	0.019	4.2	219
Zinc	0.11153	8.652	21.2	2.5
Cyanide	0.0109	0.846	5.2	6

2023 Average Influent Flow (MGD): 9.30

*Discovery Clean Water Alliance Local Limits Evaluation Report, March 2022

APPENDIX C: Industrial User Survey Update

Classification	IU Name	Category	SIC Code	Permit No.	Service Area	WWTP	Max Flow (GPD)
SIU/CIU	ProTech Industries, Inc.	433.17	3329	2023-03	District	SCTP	750
SIU/CIU	nLight Photonics Corp.	469	3674	2023-01	District	SCTP	10,000
SIU/CIU	IMAT, Inc.	469	3674	2023-02	District	SCTP	1,500
MIU	Waste Connections	N/A	4953	LOD 2023-02	District	SCTP	1,000
MIU	Oldcastle	N/A	3251/5231	LOD 2023-01	Battle Ground	SCTP	16,000
MIU	Andersen Dairy	N/A	5451	LOD 2023-03	Battle Ground	SCTP	2,000

Abbreviations Key:

SIU	Significant Industrial User
CIU	Categorical Industrial User
MIU	Minor Industrial User
SCTP	Salmon Creek Treatment Plant
RTP	Ridgefield Treatment Plant

APPENDIX D: Permit Activity

NEW/RENEWED INDUSTRIAL WASTEWATER DISCHARGE PERMITS

SIU/CIU	2023-01	nLight	(previously ST 6025)
SIU/CIU	2023-02	IMAT	(previously ST 6162)
SIU/CIU	2023-03	ProTech	(previously ST 6194)

PERMIT MODIFICATIONS

None

LETTER OF DISCHARGE ISSUED

MIU	2023-01	Oldcastle Building Envelope	(LOD renewal)
MIU	2023-02	Waste Connections	(LOD renewal)
MIU	2023-03	Andersen Dairy	(LOD renewal)

LETTER OF ZERO DISCHARGE ISSUED

None

LETTER OF AUTHORIZATION ISSUED

LOA	2023-01	HH Processors	(transitioned from LOD)
LOA	2023-02	Quartz Distillers	(transitioned from LOD)

SPECIAL WASTEWATER DISCHARGE AUTHORIZATIONS ISSUED

SDA	2023-01	NE 99th St Trenchless
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TERMINATED INDUSTRIAL WASTEWATER DISCHARGE PERMITS

None

IN PROCESS MODIFICATIONS, RENEWALS, & NEW INDUSTRIAL WASTEWATER DISCHARGE PERMITS

None

APPENDIX E: Industrial User Compliance Summary

Business Name: nLight Corporation
Address: 5408 NE 88th St., Bldg. E, Vancouver WA 98665

Last Inspection: 10/2/2023
Next Inspection: 2024 - Annual

Permit Information	2023-01	SIU/CIU	Self-Monitoring Reports				Non-Compliance		Enforce Action	SNC?
			Date Due	Received	Date Due	Received	Date	Type		
SIC/CIU:	3674	469	2/15/2023	2/2/2023	6/15/2023	6/6/2023	10/15/2023	10/5/2023	Email	No
EFF:	7/1/2023		3/15/2023	3/10/2023	7/15/2023	7/3/2023	11/15/2023	11/3/2023		
EXP:	6/30/2028		4/15/2023	4/7/2023	8/15/2023	8/4/2023	12/15/2023	12/11/2023		
WWTP:	Salmon Creek		5/15/2023	5/8/2023	9/15/2023	9/6/2023	1/15/2024	1/9/2024		

Parameter Name	Mon Location	Sample Freq	Rpt Freq	Daily Max	Limits Mth Avg	Inst Max	Units	Self Jan-23	Self Feb-23	Self Mar-23	Self Apr-23	Self May-23	Self Jun-23	Self Jul-23	Self Aug-23	Self Sep-23	Self Oct-23	Self Nov-23	Self Dec-23	Alliance Oct-23
Flow, Avg Mon	OF 001	C	M		8000		gpd	4063	4102	4139	3582	2545	2783	2396	2656	2180	3622	1739	1438	NT
Flow, Daily Max	OF 001	C	M	10000			gpd	5808	5622	5285	4634	4520	4051	3421	3917	3319	5741	2622	2453	NT
pH	OF 001	C	M		5.5-10.0		SU	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	NT
Arsenic	OF 001	M	M	0.53			mg/L	0.00312	0.0032	0.00472	0.00338	0.00227	0.00815	0.00193	0.00326	0.0102	0.00555	0.00877	0.00253	0.00192
Fluoride	OF 001	M	M	32	17.4		mg/L	0.316	0.4	0.338	0.362	0.419	0.357	0.406	0.322	7.52	0.25	0.408	0.201	0.304
TTO	OF 001	A	A	1.37			mg/L	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	ND
Fluoride	OF 002	M	M	32	17.4		mg/L	NT	NT	NT	NT	NT	NT	0.912	1.14	NT	NT	NT	NT	NT
Arsenic	OF 003	M	M	2.09	0.83		mg/L	0.00624	0.0106	0.0193	0.0242	0.305	0.325	0.0395	0.00519	0.0294	0.113	0.00919	0.0174	0.00345
TSS	OF 004	M	M	61	23		mg/L	2.1	7.2	5.2	ND	0.7	0.5	36.3	13.3	ND	0.6	4	0.7	ND

Sampling Frequency: C/Continuous, D/Daily, W/Weekly, M/Monthly, Q/Quarterly, S/Semi-Annually, A/Annually, B/Batch
ND = Non Detect, NT = Not Tested, CERT = Certified
Metals reported as Total unless otherwise noted

Business Name: IMAT
Address: 12516 NE 95th St, Suite D110, Vancouver WA 98682

Last Inspection: 8/8/2023 Next Inspection: 2024 - Annual

Permit Information	Self-Monitoring Reports				Non-Compliance	Enforce	SNC?
	SIU/CIU	Date Due	Received	Date Due	Date	Type	Action
SIC/CIU:	3674 469	4/15/2023	4/12/2023				
EFF:	11/1/2023	7/15/2023	7/12/2023				
EXP:	10/31/2028	10/15/2023	10/4/2023				
WWTP:	Salmon Creek	1/15/2024	1/9/2024				

Parameter Name	Mon Location	Sample Freq	Rpt Freq	Limits	Units	Self Jan-23	Self Feb-23	Self Mar-23	Self Apr-23	Self May-23	Self Jun-23	Self Jul-23	Self Aug-23	Self Sep-23	Self Oct-23	Self Nov-23	Self Dec-23	Alliance Oct-23
Flow, Avg Mon	OF 001	C	Q	Daily Max 1500	gpd	96.39	162.18	129.81	150.9	166.6	1285.86	195.27	233.13	147.41	93.57	255.97	168.19	NT
Flow, Daily Max	OF 001	C	Q	R	gpd	632.54	714.92	444.96	346.39	812.17	7940.39	1131.16	590.06	580.18	575	1256	1405	NT
pH	OF 001	C	Q	6.0-9.0	SU	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	8.2
Fluoride	OF 001	M	Q	32	mg/L	0.77	0.71	0.5	0.65	0.95	0.56	0.36	0.47	0.52	1.1	0.93	0.48	0.733
TTO	OF 001	A	A	1.37	mg/L	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	CERT	ND

Sampling Frequency: C/Continuous, D/Daily, W/Weekly, M/Monthly, Q/Quarterly, S/Semi-Annually, A/Annually, B/Batch

ND = Non Detect, NT = Not Tested, CERT = Certified, R = Reported

Metals reported as Total unless otherwise noted

Business Name: ProTech Industries, Inc.
Address: 14113 NE 3rd Ct, Vancouver WA 98685

Last Inspection: Next Inspection: 2024 - Annual

Permit Information		Self-Monitoring Reports			Non-Compliance		SNC?
2023-03	SIU/CIU	Date Due	Received	Date Due	Date	Type	
SIC/CIU:	3329 433.17	4/15/2023	4/10/2023				
EFF:	11/1/2023	7/15/2023	7/5/2023				
EXP:	10/31/2028	10/15/2023	10/3/2023				
WWTP:	Salmon Creek	1/15/2024	1/25/2024				

Parameter Name	Mon Location	Sample Freq	Rpt Freq	Limits	Units	Self Jan-23	Self Feb-23	Self Mar-23	Self Apr-23	Self May-23	Self Jun-23	Self Jul-23	Self Aug-23	Self Sep-23	Self Oct-23	Self Nov-23	Self Dec-23	Alliance Oct-23
Flow, Avg Mon	OF 001	C	Q		reported	271		321	277	290	292	282	272	275	244	235	265	NT
Flow, Daily Max	OF 001	C	Q		750				COMP		COMP	COMP		COMP			COMP	NT
pH	OF 001	B	Q		6.0 - 9.0				COMP		COMP			COMP			74.7	COMP
TSS	OF 001	Q	Q		300				194			59		291				118
BOD	OF 001	Q	Q		1000				877			344		900			657	617
Arsenic	OF 001	Q	Q		0.53				0.00791			ND		0.0111			0.00588	0.00714
Cadmium	OF 001	Q	Q		0.11				0.000738			ND		0.000728			<0.000200	ND
Chromium	OF 001	Q	Q		2.77				0.0513			ND		0.0778			0.0119	0.0193
Copper	OF 001	Q	Q		3.38				0.148			0.19		0.247			0.0607	0.104
Cyanide	OF 001	Q	Q		0.89				0.0119			0.00918		0.00727			<0.005	0.0113
Lead	OF 001	Q	Q		0.69				0.00697			0.00479		0.00466			0.00322	0.0016
Mercury	OF 001	Q	Q		0.09				ND			0.0000163		0.0000328			0.00172	ND
Molybdenum	OF 001	Q	Q		0.57				0.00599			ND		0.00715			0.0038	0.00343
Nickel	OF 001	Q	Q		3.77				0.0249			ND		0.0405			0.0225	0.0221
Selenium	OF 001	Q	Q		0.68				ND			ND		ND			<0.001	ND
Silver	OF 001	Q	Q		0.43				ND			ND		ND			<0.0002	ND
Zinc	OF 001	Q	Q		2.61				0.909			0.385		1.45			0.369	0.417
TTO	OF 001	A	A		2.13				CERT			CERT		CERT			CERT	ND
O&G, Nonpolar	OF 001	Q	Q		50				7.69			8.53		ND			7.4	8.09
Phenols, Total	OF 001	Q	Q		0.6				0.026			0.023		0.124			0.025	0.091

Sampling Frequency: C/Continuous, D/Daily, W/Weekly, M/Monthly, Q/Quarterly, S/Semi-Annually, A/Annually, B/Batch
ND = Non Detect, NT = Not Tested, CERT = Certified; COMP/Compliant; NCOMP/Non-Compliant
Metals reported as Total unless otherwise noted

Business Name: Oldcastle Building Envelope
Address: 1611 SE Commerce Ave, Battle Ground WA 98604

Permit Information		Self-Monitoring Reports						Non-Compliance		Action	SNC?
2023-01	MIU	Date Due	Received	Daily Max	Inst Max	Units	Self	Date	Type		
SI/C/CIU:	4212	6/15/2023	6/1/2023	10/15/2023	10/2/2023	10/15/2023	10/2/2023	23-Oct	Flow limit	Email	No
EXP:	N/A	3/15/2023	3/22/2023	7/15/2023	7/5/2023	11/15/2023	11/2/2023				
WWTP:	Salmon Creek	4/15/2023	4/7/2023	8/15/2023	8/2/2023	12/15/2023	12/11/2023				
		5/15/2023	5/1/2023	9/15/2023	9/18/2023	1/15/2024	1/9/2024				

Parameter Name	Mon Location	Sample Freq	Rpt Freq	Daily Max	Limits Mth Avg	Inst Max	Units	Self Jan-23	Self Feb-23	Self Mar-23	Self Apr-23	Self May-23	Self Jun-23	Self Jul-23	Self Aug-23	Self Sep-23	Self Oct-23	Self Nov-23	Self Dec-23	Alliance Oct-23
Flow, Daily Max	MMH	C	M	16000			gpd	NT	14597	17105	17346	17187	13803	13694	15101	12422	22833	10497	11076	NT
pH	MMH	M	M		5.5-10.0		SU	NT	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	NT
TSS	MMH	M	M	375			mg/L	NT	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	COMP	NT
Copper	MMH	M	M	3.59			mg/L	NT	0.024	0.024	0.037	0.024	0.056	0.32	0.2	0.066	0.076	0.27	0.33	NT
Silver	MMH	M	M	0.68			mg/L	NT	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	NT

Sampling Frequency: C/Continuous, D/Daily, W/Weekly, M/Monthly, Q/Quarterly, S/Semi-Annually, A/Annually, B/Batch

ND = Non Detect, NT = Not Tested, CERT = Certified; COMP/Compliant; NCOMP/Non-Compliant

Metals reported as Total unless otherwise noted

CALC = estimated average daily process flows, calculated from water use data

Business Name: Vancouver Hauling Company (Waste Connections)
Address: 9411 NE 94th Ave, Vancouver WA 98662

Permit Information		Self-Monitoring Reports			Non-Compliance		Enforce	SNC?
2023-02	MIU	Date Due	Received	Date Due	Received	Date	Type	Action
SIC/CIU:	4212	4/15/2023	2/21/2023					
EFF:	4/28/2023	7/15/2023	7/14/2023					
EXP:	N/A	10/15/2023	10/17/2023					
WWTP:	Salmon Creek	1/15/2024	1/15/2024					

Parameter Name	Mon Location	Sample Freq	Rpt Freq	Limits	Units	Self Jan-23	Self Feb-23	Self Mar-23	Self Apr-23	Self May-23	Self Jun-23	Self Jul-23	Self Aug-23	Self Sep-23	Self Oct-23	Self Nov-23	Self Dec-23	Alliance Oct-23
Flow, Daily Max	MMH	CALC	Q	R	Inst Max	gpd	NT		873	873		565			904			NT
pH	MMH	Q	Q	5.5-10.0	SU	8.32			7.12		7.26	7.03			7.20			NT
TSS	MMH	Q	Q	R	mg/L	NT			NT		96	79			67			NT
BOD	MMH	Q	Q	R	mg/L	NT			NT		134	189			194			NT
Arsenic	MMH	Q	Q	0.53	mg/L	NT			NT		0.0023	0.0023			0.00434			NT
Cadmium	MMH	Q	Q	0.28	mg/L	NT			NT		0.0009	0.0018			0.000604			NT
Chromium	MMH	Q	Q	4.05	mg/L	NT			NT		0.00579	0.00961			0.00671			NT
Copper	MMH	Q	Q	3.59	mg/L	NT			NT		0.087	0.049			0.0725			NT
Cyanide	MMH	Q	Q	0.89	mg/L	NT			NT		<0.005	<0.005			<0.005			NT
Lead	MMH	Q	Q	1.13	mg/L	NT			NT		0.00868	0.0189			0.0108			NT
Mercury	MMH	Q	Q	0.09	mg/L	NT			NT		<0.0001	0.000106			0.000102			NT
Molybdenum	MMH	Q	Q	0.57	mg/L	NT			NT		0.00647	0.00921			0.00486			NT
Nickel	MMH	Q	Q	3.77	mg/L	NT			NT		0.00775	0.0125			0.0138			NT
Selenium	MMH	Q	Q	0.68	mg/L	NT			NT		<0.001	<0.001			<0.001			NT
Silver	MMH	Q	Q	0.68	mg/L	NT			NT		<0.200	<0.200			<0.200			NT
Zinc	MMH	Q	Q	3.58	mg/L	NT			NT		0.345	0.528			0.264			NT
O&G, Nonpolar	MMH	Q	Q	50	mg/L	<4.95			12		5.7	9.4			<4.90			NT

Sampling Frequency: C/Continuous, D/Daily, W/Weekly, M/Monthly, Q/Quarterly, S/Semi-Annually, A/Annually, B/Batch

ND = Non Detect, NT = Not Tested, CERT = Certified; COMP/Compliant; NCOMP/Non-Compliant

Metals reported as Total unless otherwise noted

CALC = estimated average daily process flows, calculated from water use data

APPENDIX F: Industrial User Monitoring Summary

		Sampling by POTW		Sampling by IU		Inspections	
SIU/CIU		Performed this year	Planned next year	Permit Required Sampling	Self-Reporting This Year	Performed this year	Planned next year
2023-01	nLight	1	1	12	12	1	1
2023-02	IMAT	1	1	12	12	1	1
2023-03	ProTech	1	1	4	4	1	1
MIU							
2023-01	Oldcastle	0	0	12	12	1	0
2023-02	Waste Connections	0	0	4	4	0	1
2023-03	Andersen Dairy	0	0	0	0	0	0

APPENDIX G: Fats, Oils & Grease (FOG) Program Summary

The Alliance administers a Fats, Oils and Grease (FOG) Program throughout the collection system service areas for Clark Regional Wastewater District and the City of Battle Ground. Staff inspect grease removal devices and provide education and outreach to business owners and personnel. The Alliance also participates in the Preferred Pumper Program (PPP), a regional collaboration between wastewater agencies and grease removal service providers to ensure proper maintenance of grease removal devices.

Active FOG Users	
District	317
Battle Ground	81
Total	398

Grease Removal Device Types	
Grease Interceptors	367
Oil/Water Separators	33
Total	400

Compliance Monitoring Activities		
Month	Facility Inspections	PPP Pumpout Reports Reviewed
January	0	21
February	1	16
March	60	37
April	59	28
May	6	26
June	45	34
July	45	30
August	88	33
September	29	54
October	51	51
November	19	42
December	2	10
TOTAL	405	382

Preferred Pumper Program Participation	
Active FOG Users currently using PPP pumper:	214
Est. gallons of FOG removed by PPP pumpers:	370,355

APPENDIX H: Program Modifications

Summary of Changes during the previous Reporting Year:

The Alliance Industrial Pretreatment Program was implemented effective January 1, 2023, as approved by Ecology. One FTE (Pretreatment Specialist) was added in 2023 to support program administration. No changes have been made to the approved program.

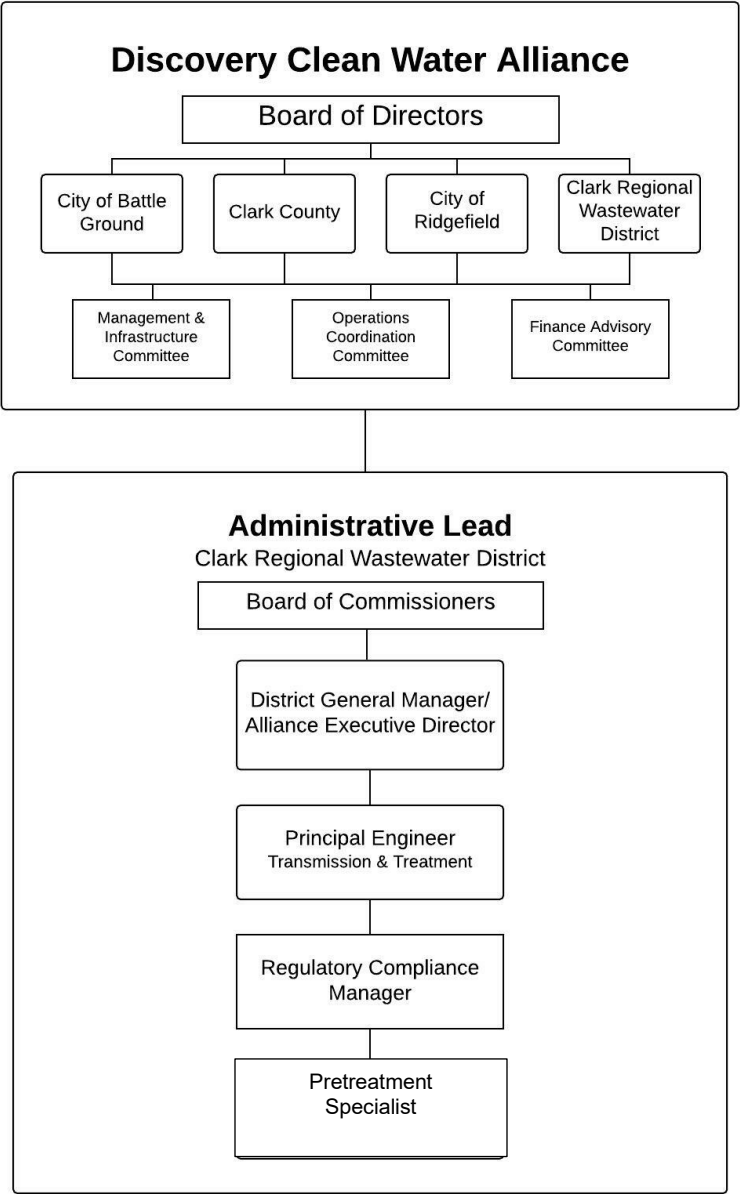
Summary of Planned Changes in the Upcoming Reporting Year:

The Alliance is evaluating the feasibility of accepting septage at a facility that is being constructed at the City of Battle Ground's Operations Center. The Alliance IPP would require modification and Ecology approval before allowing septage discharge, and IPP staff will communicate any planned changes with Ecology before providing updated documentation for review.

APPENDIX I: Program Resource Summary

PROGRAM ORGANIZATION & PERSONNEL

Clark Regional Wastewater District (District) administers the IPP via the Administrative Lead contract with the Alliance. The District’s Regulatory Compliance Manager oversees the management and implementation of all elements of the Alliance IPP. The Pretreatment Specialist position was created in 2023 to provide additional resources to support the fully delegated program.



APPENDIX J: Compliance & Enforcement Summary

Pretreatment Standard or Requirement	No. IUs to which Standard applies	No. IUs in compliance with Standard
IUs notified of promulgated pretreatment standards	0	-
IUs on compliance schedules	0	-
IUs required to submit baseline monitoring reports	0	-
SIUs required to submit self-monitoring reports	3	3
MIUs required to submit self-monitoring reports	2	2
IUs in Significant Non-Compliance (SNC)	0	-

Enforcement Action Type	No. Actions	SIUs	MIUs
Initial Notices	2	1	1
Letters of Non-Compliance	0	-	-
Compliance Review Meetings	0	-	-
Notices of Violation	0	-	-
Consent Orders	0	-	-
Compliance Orders	0	-	-
Emergency Suspension/Termination of Discharge	0	-	-
Civil Penalties	0	-	-