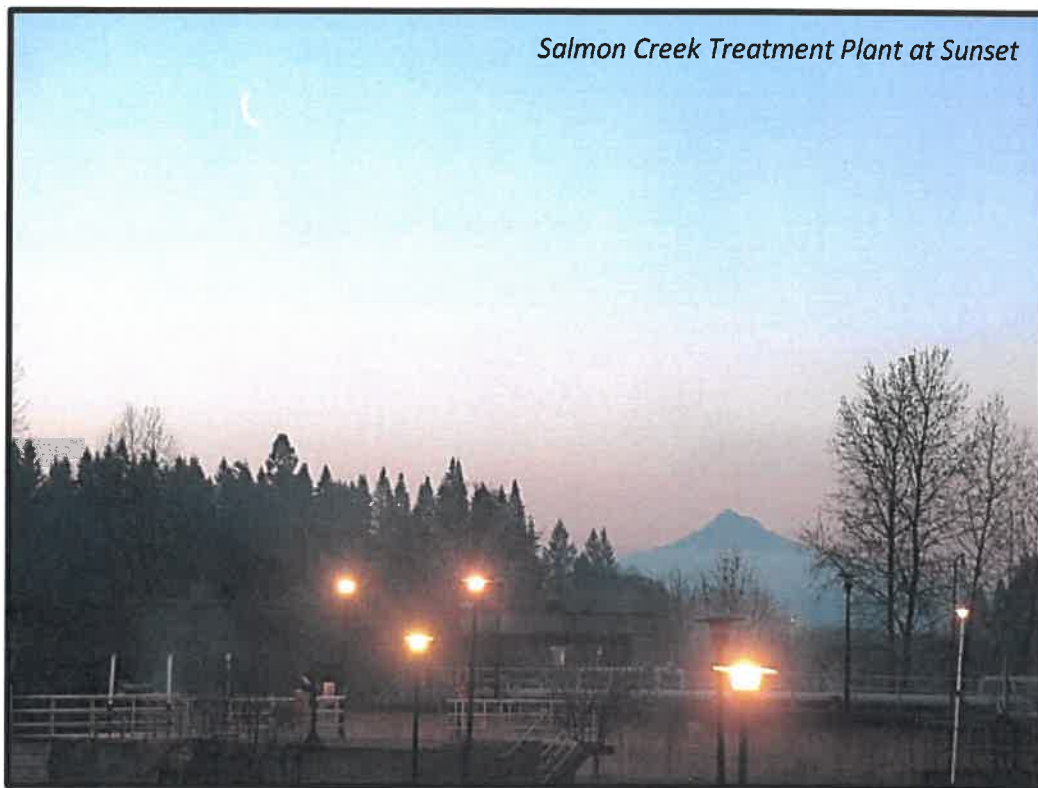




2018

Clark Regional Wastewater District Pretreatment Report



Salmon Creek Treatment Plant at Sunset



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COMMISSIONERS
 Norm Harter
 Denny Kiggins
 Neil Kimsey

GENERAL MANAGER
 John M. Peterson

Transmittal Cover

Project: 2018 Annual Pretreatment Report
Industrial Pretreatment
Date: February 4, 2019

To:	Attention:	No. Copies	Action Requested	Transmitted Via
Washington State Department of Ecology	Carey Cholski	1 Original 1 Copy	Records	FedEx
Clark County SCTP	Travis Capson	1 copy	Records	Hand Carried
City of Battle Ground	Scott Sawyer	1 copy	Records	Hand Carried
City of Vancouver	Frank Dick	1 copy	Records	USPS
City of Ridgefield	Bryan Kast	1 copy	Records	USPS

DESCRIPTION:

2018 Annual Pretreatment Report

MESSAGE:

Enclosed please find the 2018 Annual Pretreatment Report. The report describes the Clark Regional Wastewater District's Pretreatment Program for the Salmon Creek Treatment Plant during the 2018 reporting period of January 1, 2018 through December 31, 2018.

This submittal fulfills the Pretreatment Program reporting requirements as outlined in Section S6 of NPDES Permit No. WA0023639.

C: File
 Robin Krause, District Engineer



Updated 2/4/2019

An American Public Works Association Accredited Agency



COVER SHEET

NPDES Permit Holder: Clark County Department of Public Works
Period Covered by this Report: January 1, 2018 to December 31, 2018
Report Date: February 15, 2019

NAME OF WASTEWATER TREATMENT PLANT

NPDES PERMIT #

Salmon Creek Wastewater Treatment Plant
15100 NW McCann Road
Vancouver, WA 98685

WA – 002363-9

Person to contact concerning information in this report:

Name: Kristen Thomas
Title: Pretreatment Coordinator
Mailing Address: Clark Regional Wastewater District
PO Box 8979, Vancouver, WA 98668-8979
Fax: (360) 750-7570
E-mail: kthomas@crwwd.com

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


Authorized Signature

1/7/19
Date

Pretreatment Coordinator
Title



Mission

Providing customer-focused, professional wastewater services in an environmentally and financially responsible manner.

Vision

To be an active partner in Clark County, to support economic development and to manage and protect water resources.

Values

The Values of Clark Regional Wastewater District are **"SERVICE"**:

Stewardship of the environmental and financial resources entrusted to the District

Employees who are talented and motivated professionals that work together in a spirit of cooperation

Responsibility, integrity and fairness in every decision, every interaction and in every challenge we undertake

Valued partner involved and active within our communities

Innovation and learning, creating an environment of personal and professional growth

Communication that is active, open, honest and timely

Efficient and effective solutions that are reliable, consistent and meet the needs of our communities

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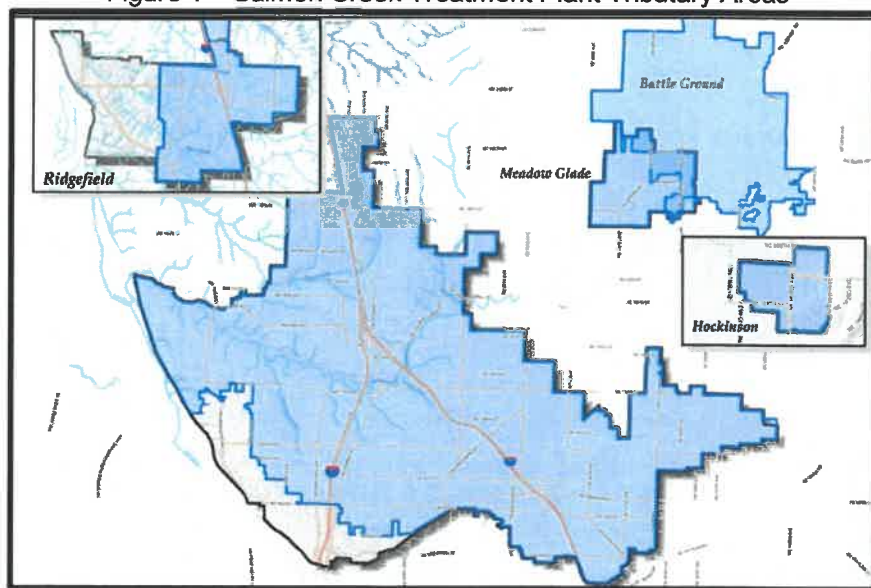
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INTRODUCTION

The National Pollutant Discharge Elimination System Waste Discharge Permit (Permit) for the Salmon Creek Treatment Plant (SCTP), WA-0023639, was issued by the Department of Ecology (Ecology). The Permit requires, § S6.A.4, that the owner/permittee provide Ecology with an annual pretreatment report of its non-delegated Pretreatment Program activities during the previous calendar year. The SCTP is owned by Discovery Clean Water Alliance (Alliance) and is operated, by agreement, by Clark County Department of Public Works. Effective January 1, 2015, the Alliance provides regional wastewater transmission and treatment services for its Members; which include the Clark Regional Wastewater District (District), Clark County, the City of Ridgefield and the City of Battle Ground. The District, via Agreement, is the Administrative Lead for the Alliance. Administrative Lead duties include executive, administrative, finance/treasury, engineering and industrial pretreatment.

As the Administrative Lead, District responsibilities include the management of the non-delegated Pretreatment Program. The District is the local regulatory presence on behalf of the Alliance. It surveys, monitors and inspects, as necessary, industrial waste users of the SCTP. The goal of the Alliance Pretreatment Program is to protect public health and the environment. The District performs inspections and monitoring activities on any Significant Industrial Users (SIUs) and Minor Industrial Users (MIUs). Continuous surveying of new businesses is conducted throughout the year. In 2018, the SCTP was monitored in accordance with the requirements set forth in the Permit. A summary of the program activities is provided in the following sections of this report.

Figure 1 – Salmon Creek Treatment Plant Tributary Areas



The map depicts the areas discharging into the SCTP through either the District or City of Battle Ground sewage collection system and the Alliance regional transmission system. The Columbia River is the receiving water for all flow discharged from the Publicly Owned Treatment Works.

PROGRAM UPDATE

The District has diligently performed pretreatment activities as required by Permit during 2018. All SIUs and MIUs were inspected and monitored, and copies of analytical results and inspection reports were forwarded to Ecology for review.

The program underwent a staffing transition during 2018 as a new Pretreatment Coordinator was hired in July 2018. The City of Vancouver's Industrial Pretreatment Coordinator provided support to District staff during the transition period to ensure that all SIUs were inspected and monitored.

At the beginning of 2018, there were four (4) SIUs (see Appendix A), discharging to the SCTP. Three (3) SIUs are located within the District service area and one (1) is located within the City of Battle Ground. All three SIUs located in the District are categorical industrial users, one (1) 40 CFR 433 Metal Finishing and two (2) 40 CFR 469 Electrical and Electronics Components. The SIU located in City of Battle Ground, Oldcastle Building Envelope, discharges to SCTP through the Battle Ground sanitary sewer system and the Alliance transmission system. This SIU had been classified as an SIU due to significant non-compliance in previous years, but does not meet categorical standards and does not discharge volumes greater than 25000 gpd. After having discussed and concurred with Ecology, this user has been reclassified as an MIU. A Letter of Discharge (LOD) was issued to Oldcastle by the District effective November 1, 2018.

ADMINISTRATIVE ENFORCEMENT

There were no Notices of Violation (NOVs) issued in 2018.

LOCAL LIMIT EVALUATION

The actual headworks loadings were compared to Maximum Allowable Headworks Loadings (MAHLs) developed in the SCTP Local Limit Technical Evaluation. The results of the MAHL evaluation were similar to previous years. Biosolids concentrations of all metals remain well below the standards for Class B Biosolids land application programs. SCTP has not experienced inhibition or pass through from industrial sources.

INDUSTRIAL USER SURVEY

Industries that may require wastewater discharge permits are identified through review of Commercial/Industrial Pretreatment Application surveys. Surveys are submitted to the District and the City of Battle Ground as part of the development review process. All surveys are reviewed by the District Pretreatment Coordinator. If any industrial/commercial user is identified as a potential SIU, said user is required to submit a "*Pretreatment Application*" form to the District.

No new SIUs were identified during 2018. The District received and reviewed two Pretreatment Applications during this program year. Both users are located in the City of Battle Ground. One user, Maddox Industrial, did not meet any categorical standards and will not be discharging process wastewater to sewer. The second user, Anderson Dairy, does not

meet categorical standards but discharges process wastewater to sewer, and will be monitored as an MIU in 2019.

PRIORITIES AND ACCOMPLISHMENTS FOR REPORTING YEAR

Public Education and Outreach

The District participated in multiple public education and outreach opportunities throughout 2018. Public education and outreach efforts include newsletter distribution, the Freeze the Grease program, online and targeted outreach, and attendance at community events.

The newsletter has continued outreach efforts focusing on pollution prevention habits that are formed at home. In 2018, each issue included a cartoon depicting the wastewater collection system and treatment process. Distribution of “Freeze the Grease” kits to District customers



The Sewer Smart Logo

continued as part of an educational program. The program encourages people to keep grease and non-dispersible materials out of their home plumbing system and public sewers. The District also performed targeted outreach via door hangers and mailed postcards to two neighborhoods that were experiencing high rates of sewer maintenance due to FOG and non-dispersible items. District staff also attended community events to discuss residential discharge issues with the public and distribute information. A program called “Sewer Smart” was continued during 2018. The Sewer Smart program encourages users to be mindful of the discharge of Fats, Oils, Grease and Grit

(FOGG), non-dispersible material, and other topics related to pollution prevention. A coloring book that features the three Sewer Smart characters: Reggie the Rag Ball, Frog and FOGG continues to be distributed. The coloring book is intended to educate a younger audience of users about the wastewater system and discourages users from flushing wipes, rags and other non-dispersible material.

Fats, Oils, Grease and Grit (FOGG) Program

The District continued implementation of the FOGG program for control of FOGG discharged to the sanitary sewer system. Food Service Establishment (FSE) survey efforts were continued in 2018, as well as onsite monitoring and inspection of FSEs. The FOGG program is conducted by the District throughout the District service area and within the City of Battle Ground by Interlocal Agreement. There are 317 FSEs currently monitored by the District, including 79 in the City of Battle Ground, 19 in the City of Ridgefield, and 32 within the area that discharges to the City of Vancouver’s Westside Treatment Plant.

Corrosion & Odor Control

Multiple corrosion and odor control measures have been explored by the District. The intent was to determine which measures perform best under specific conditions. The District has invested in equipment including storage tanks, pumps, Hydrogen Sulfide (H₂S) detection monitors, and biofilters. These units are deployed to monitor and treat concentrations of air phase H₂S, and control chemical feed rates at select pump stations, including the District and Alliance.

Regional Coordination and Training

In 2018, the District was active in the Oregon Association of Clean Water Agencies (ACWA) Pretreatment subcommittee. The Pretreatment Coordinator attended the Pacific Northwest Source Control Training Association's 2018 Pretreatment Workshop held in Vancouver, Washington. The Pretreatment Coordinator also participated in the Local Interagency Networking Cooperative (LINC), and is involved in the Water Environment Foundation's annual Short School in Clackamas, Oregon as a planning committee member for the Source Control section.

PROGRAM GOALS

Listed below are the pretreatment program goals for 2019:

1. To continue to actively participate in the Local Interagency Networking Cooperative (LINC).
2. Update procedures and implement changes to the pretreatment program as needed.
3. Continue public outreach activities.
4. Continue to work with partner agencies to advance Public Health and environmental programs in Clark County.
5. To keep abreast of changes of regulations and industrial processes.
6. Begin development of a Submission for Approval for program delegation.

PROGRAM RESOURCES

PRETREATMENT STAFFING RESOURCES

1 FTE – Pretreatment Coordinator

The Pretreatment Coordinator is responsible for administration and all activities listed under the program requirements with oversight from the Assistant Manager. FOGG Inspections have been completed by Maintenance staff and the Pretreatment Coordinator in 2018. The District has additional support staff available if needed, such as the GIS staff, Development Review staff, Inspectors and Administrative staff. The District currently utilizes contract laboratories in the area for analysis of treatment plant and industrial monitoring conducted throughout the year.

PRETREATMENT EQUIPMENT INVENTORY

1	Oakton pH Meter
1	Myron L Ultra Pen PT2 pH and Temp Meter
1	Myron L Ultra Pen PT5 Dissolved Oxygen Meter
1	Sigma 900 Portable Sampler w/Accessories
2	Sigma 950 Area Velocity Flow Meter

1	2018 Nissan Frontier
1	American Sigma Composite Sampler
5	OdaLog L2
4	OdaLog RTX

PLANT PERFORMANCE

INFLUENT, EFFLUENT AND BIOSOLIDS POLLUTANT MONITORING

The SCTP influent, effluent and biosolids were monitored in accordance with NPDES permit requirements in 2018. The monitoring results indicate that pollutants are present in non-inhibitory concentrations or are non-detectable. See below for metals results, and Appendix D for all other analytical data.

METALS MONITORING

In accordance with the Permit, the SCTP influent and effluent are monitored quarterly for metals. In addition, the SCTP staff conducts quarterly monitoring of the Biosolids for metals. As shown in the tables below, all metal concentrations were found to be below inhibition levels. ND indicates that the parameter was reported to be Non-Detectable by analytical method. If either sample location reported an ND, the percent removal for that parameter is represented as Not Applicable (NA).

Total Metals per EPA 200 series / HG per EPA 1631E									
1st Quarter 2018									
CAS ID#	Influent Sampled: 3/14/18				Effluent Sampled: 3/14/18				Percent Removal
	Results in mg/L								
	Parameter	INF	MDL	Q	Parameter	EFF	MDL	Q	
7440-36-0	Antimony	ND	0.0010		Antimony	ND	0.0010		NA
7440-38-2	Arsenic	0.00197	0.0010		Arsenic	0.00153	0.0010		22%
7440-41-7	Beryllium	ND	0.0005		Beryllium	ND	0.0001		NA
7440-43-9	Cadmium	ND	0.0002		Cadmium	ND	0.0002		NA
7440-47-3	Chromium	0.00117	0.0010		Chromium	ND	0.0010		15%
7440-50-8	Copper	0.0370	0.0010		Copper	0.0542	0.0020		-46%
7439-92-1	Lead	0.00103	0.0002		Lead	ND	0.0002		90%
7439-97-6	Mercury	0.000033	0.0000005		Mercury	0.0000023	0.0000005		93%
7439-98-7	Molybdenum	ND	0.0010		Molybdenum	ND	0.0010		NA
7440-02-0	Nickel	0.00217	0.0010		Nickel	0.00147	0.0010		32%
7782-49-2	Selenium	ND	0.0010		Selenium	ND	0.0010		NA
7440-22-4	Silver	ND	0.0010		Silver	ND	0.0002		NA
7440-28-0	Thallium	ND	0.0010		Thallium	ND	0.0002		NA
7440-66-6	Zinc	0.0813	0.0040		Zinc	0.0426	0.0040		48%

Total Metals per EPA 200 series / HG per EPA 1631E									
2nd Quarter 2018									
CAS ID#	Influent Sampled: 5/2/18				Effluent Sampled: 5/2/18				Percent Removal
	Results in mg/L								
	Parameter	INF	MDL	Q	Parameter	EFF	MDL	Q	
7440-36-0	Antimony	ND	0.0010		Antimony	ND	0.0010		NA
7440-38-2	Arsenic	0.00188	0.0010		Arsenic	0.00146	0.0010		22%
7440-41-7	Beryllium	ND	0.0001		Beryllium	ND	0.0001		NA
7440-43-9	Cadmium	ND	0.0002		Cadmium	ND	0.0002		NA
7440-47-3	Chromium	ND	0.0010		Chromium	ND	0.0010		NA
7440-50-8	Copper	0.0305	0.0010		Copper	0.00837	0.0010		73%
7439-89-6	Iron	0.286	0.0500		Iron	0.0655	0.0500		77%
7439-92-1	Lead	0.000531	0.0002		Lead	0.0002	0.0002		62%
7439-98-7	Molybdenum	0.00124	0.0010		Molybdenum	ND	0.0010		60%
7440-02-0	Nickel	0.00169	0.0010		Nickel	0.00131	0.0010		22%
7439-97-6	Mercury	0.000025	0.0000020		Mercury	0.0000022	0.0000005		91%
7782-49-2	Selenium	ND	0.0010		Selenium	ND	0.0010		NA
7440-22-4	Silver	0.00030	0.0002		Silver	ND	0.0010		NA
7440-28-0	Thallium	ND	0.0002		Thallium	ND	0.0002		NA
7440-66-6	Zinc	0.0852	0.0040		Zinc	0.0380	0.0040		55%

Total Metals per EPA 200 series									
3rd Quarter 2018									
CAS ID#	Influent Sampled: 8/24/18				Effluent Sampled: 8/24/18				Percent Removal
	Results in mg/L								
	Parameter	INF	MDL	Q	Parameter	EFF	MDL	Q	
7440-36-0	Antimony	ND	0.0100		Antimony	ND	0.0010		NA
7440-38-2	Arsenic	ND	0.0100		Arsenic	0.00147	0.0010		NA
7440-41-7	Beryllium	0.000004	0.000002	J	Beryllium	0.000004	0.00002	J	0%
7440-43-9	Cadmium	ND	0.0020		Cadmium	ND	0.0002		NA
7440-47-3	Chromium	ND	0.0100		Chromium	ND	0.0010		NA
7440-50-8	Copper	0.0774	0.0100		Copper	0.0197	0.0010		75%
7439-92-1	Lead	ND	0.0020		Lead	0.000248	0.0002		NA
7439-97-6	Mercury	0.0000172	0.0000005		Mercury	0.0000022	0.0000005		87%
7439-98-7	Molybdenum	ND	0.0100		Molybdenum	ND	0.0010		NA
7440-02-0	Nickel	ND	0.0100		Nickel	0.00151	0.0010		NA
7782-49-2	Selenium	0.0279	0.0100		Selenium	0.00104	0.0010		96%
7440-22-4	Silver	0.000095	0.00002		Silver	0.000018	0.00002	J	81%
7440-28-0	Thallium	ND	0.0002		Thallium	ND	0.0002		NA
7440-66-6	Zinc	0.0775	0.0040		Zinc	0.0488	0.0040		37%


Total Metals per EPA 200 series / HG per EPA 1631E									
4th Quarter 2018									
CAS ID#	Influent Sampled: 11/7/18				Effluent Sampled: : 11/7/18				Percent Removal
	Results in mg/L								
	Parameter	INF	MDL	Q	Parameter	EFF	MDL	Q	
7440-36-0	Antimony	ND	0.0050		Antimony	ND	0.0010		NA
7440-38-2	Arsenic	ND	0.0050		Arsenic	0.00154	0.0010		NA
7440-41-7	Beryllium	ND	0.00002		Beryllium	ND	0.00002		NA
7440-43-9	Cadmium	ND	0.0010		Cadmium	ND	0.0002		NA
7440-47-3	Chromium	ND	0.0050		Chromium	0.00048	0.0010	J	NA
7440-50-8	Copper	0.0535	0.0050		Copper	0.0094	0.0010		82%
7439-92-1	Lead	0.001040	0.0010		Lead	0.00017	0.0002	J	84%
7439-98-7	Molybdenum	ND	0.0050		Molybdenum	0.00052	0.0010	J	NA
7440-02-0	Nickel	ND	0.0050		Nickel	0.00100	0.0010		NA
7782-49-2	Selenium	ND	0.0050		Selenium	0.000647	0.0005	J	NA
7440-22-4	Silver	0.000368	0.00002		Silver	ND	0.00002		97%
7440-28-0	Thallium	ND	0.00002		Thallium	ND	0.00002		NA
7440-66-6	Zinc	0.1190	0.0200		Zinc	0.0461	0.0040		61%

BIOSOLIDS MONITORING

Biosolids produced at the SCTP were monitored in 2018, in accordance with the Permit. The monitoring results indicate that pollutants are present in non-inhibitory concentrations or are non-detectable in the Biosolids (see Appendix D). Total production was 1880 dry tons with 78.68 dry tons contributed by the Ridgefield treatment plant. The chart below summarizes 2018 Biosolids production.


2018 Biosolids Production	Cubic Yards	Dry Pounds	Wet Pounds
January	1,654	374,586	2,844,241
February	1,280	305,368	2,201,907
March	1,497	354,904	2,575,699
April	1,731	388,233	2,976,801
May	1,682	377,258	2,893,410
June	1,865	422,932	3,207,821
July	1,552	366,123	2,669,111
August	7,14	170,892	1,227,921
September	8,91	212,971	1,532,421
October	1,051	250,179	1,807,270
November	8,99	223,452	1,546,891
December	1,365	314,022	2,347,816
Total	16,181	3,760,920	27,831,309
	Tons	1,880	13,916
	Metric Ton	1,706	12,624
DRY TON BALANCE:			
From Ridgefield		78.68	
Produced (no RF)		1801.8	
Total Produced		1880.5	

APPENDIX A: SIGNIFICANT INDUSTRIAL USERS

 SIGNIFICANT INDUSTRIAL USERS	REPORTING QUARTER	DISTRICT INSPECTIONS	DISTRICT SAMPLING	SELF-MONITORING	LIMIT VIOLATIONS	REPORTING STATUS	Average Monthly Flow (GPD)
PRO-TECH INDUSTRIES, INC.	1	1	0	1	0	C	
14113 NE 3rd Court	2	0	0	1	0	C	
Vancouver, WA 98685	3	0	0	1	0	C	
WA Permit No. ST 6194, effective 11/1/18	4	0	1	1	0	C	
40 CFR Part 433.17							267
No exceedances or excursions from permit requirements were reported in 2018.							
nLIGHT PHOTONICS CORPORATION	1	1	0	3	0	C	
5408 NE 88th Street	2	0	0	3	0	C	
Vancouver, WA 98665	3	0	0	3	0	C	
WA Permit No. ST 6025, effective 7/1/18	4	0	1	3	0	C	
40 CFR Part 469							3369
No exceedances or excursions from permit requirements were reported in 2018.							
IMAT INC.	1	1	0	3	0	C	
12516 NE 95th Street	2	0	0	3	0	C	
Vancouver, WA 98682	3	0	0	3	0	C	
WA Permit No. ST 6162, effective 11/1/18	4	0	1	3	0	C	
40 CFR Part 469							1442
No exceedances or excursions from permit requirements were reported in 2018.							
OLD CASTLE BUILDING ENVELOPE	1	1	0	3	0	C	
1611 SE Commerce Avenue	2	0	0	3	0	C	
Battle Ground, WA 98604	3	0	0	3	0	C	
WA Permit No. ST 6203, effective 11/30/12, Mod. 10/1/15; LOD 3-2018, effective 11/1/18	4	0	0	3	0	C	
						Not reported	
Oldcastle was reclassified as an MIU during Q4 of 2018. No exceedances or excursions from permit requirements were reported in 2018.							

C = Compliance; NC = Non-compliance; SNC = Significant Non-compliance; NSCIU = Non-Significant Categorical Industrial User

APPENDIX B: MINOR INDUSTRIAL USERS

 MINOR INDUSTRIAL USERS	REPORTING QUARTER	DISTRICT INSPECTIONS	DISTRICT SAMPLING	SELF-MONITORING	LIMIT VIOLATIONS	REPORTING QUARTER STATUS	
WASTE CONNECTIONS	1	0	0	1	0	C	
9411 NE 94th Avenue	2	0	0	1	0	C	
Vancouver, WA 98662	3	0	0	1	0	C	
MIU Letter of Discharge (LOD) 2-2018 expires April 30, 2023	4	1	0	1	0	C	
Waste Connections completed all required self-monitoring during 2018.							
LAPOL SOLUTIONS	1	0	0	3	0	C	
11304 NE 66th Street	2	0	0	3	0	C	
Vancouver, WA 98662	3	0	0	3	0	C	
MIU Letter of Discharge (LOD) 4-2016 expires October 31, 2019	4	1	0	3	0	C	
Lapel Solutions completed all required self-monitoring during 2018.							

C = Compliance; NC = Non-compliance; SNC = Significant Non-compliance; NSCIU = Non-Significant Categorical Industrial User

APPENDIX C: FSE SURVEY FORM



FOOD SERVICE ESTABLISHMENT GREASE REMOVAL DEVICE SURVEY

Please see directions for completing this form on the reverse side.

1. Facility Name: _____
2. Facility Contact: _____
3. Mailing/Billing Address: _____
4. Contact Telephone Number: _____ 5. Facility Telephone Number: _____
6. Email Address: _____
7. Facility Address: _____
8. Establishment Type:

Bakery	Daycare	School Cafeteria
Brewery	Fast Food	Sports Grill
Coffeehouse	Grocery	Steakhouse
Commercial Cafeteria	Hotel	Winery
Convenience Store	Pizzeria	
Corporate Cafeteria	Restaurant	

9. Hours of Operation: _____ 10. Seating Capacity: _____
11. Meals Served: Breakfast Lunch Dinner Lounge 12. Number of Meals Served Per Day: _____
13. Is There Food Preparation on the Premises: Yes No If No, skip to bottom of page, sign and submit.
14. Food Type (Check all that apply):

Asian	Ice Cream	Pizza	Southern
Barbecue	Italian	Sandwich/Soup	Western
Burgers	Mexican	Seafood	
Doughnuts/Pastries	Middle Eastern	Smoothies	
Other:			

15. Number of Fixtures:

Deep Fryers	Tilt Kettles	3-Compartment Sinks	Floor Sinks
Grills	Wok Ranges	Dishwashers	Low Temp Sanitizer
Ovens	1-Compartment Sinks	Garbage Disposals	Pre-Wash Sinks
Stove	2-Compartment Sinks	Floor Drains	Mop Sinks
Other:			

16. Grease Removal Device (GRD) Location/Type (Include additional devices in blank boxes):

Location	Size	Manufacturer / Model <small>(if unknown, leave blank)</small>
Exterior Grease Inceptor	<input type="checkbox"/> Gal <input type="checkbox"/> lb. <input type="checkbox"/> gpm	
Interior Under Sink Trap	<input type="checkbox"/> Gal <input type="checkbox"/> lb. <input type="checkbox"/> gpm	
Interior Floor Trap	<input type="checkbox"/> Gal <input type="checkbox"/> lb. <input type="checkbox"/> gpm	
	<input type="checkbox"/> Gal <input type="checkbox"/> lb. <input type="checkbox"/> gpm	
	<input type="checkbox"/> Gal <input type="checkbox"/> lb. <input type="checkbox"/> gpm	

17. GRD Cleaning Frequency (How often do you clean the GRD?):

Daily	Bi-Weekly	Weekly
Monthly	Quarterly	Annually

18. Who Cleans GRD? Self Vendor/Contractor 19. Date of Last Cleaning: _____
20. GRD Service Company: _____
21. Yellow/Fryer Grease Rendering Container on Site? Yes No
22. Yellow/Fryer Grease Rendering Company: _____

I, _____ certify that to the best of my knowledge the above information is correct
(Print Name and Title)

(Signature)

(Date)

APPENDIX D: SCTP MONITORING DATA

CAS ID#	Parameter	EPA Method	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry
	Biosolids		1/24/2018	4/11/2018	5/16/2018	7/3/2018	9/14/2018	11/7/2018
7429-90-5	Aluminum	6010C	3350	NT	NT	NT	NT	NT
7440-36-0	Antimony	6020(A)	1.91	1.78	1.85	1.53	2.61	2.11
7440-38-2	Arsenic	6020(A)	4.2	5	5	5	6	6
7440-39-3	Barium	6020A	165	NT	NT	NT	NT	NT
7440-41-7	Beryllium	6020(A)	0.115	0.102	0.112	0.098	0.105	0.077
7440-42-8	Boron	6010C	29.8	NT	NT	NT	NT	NT
7440-43-9	Cadmium	6020(A)	1.15	1.21	1.20	1.24	1.42	1.09
7440-47-3	Chromium	6020(A)	28.9	31.1	41.3	24.3	49.1	38.6
7440-47-3	Chromium VI	SM3500Cr-D	4.5	<3.6	<3.6	<3.8	<4.1	<3.7
7440-48-4	Cobalt	6020A	2.48	NT	NT	NT	NT	NT
7440-50-8	Copper	6020(A)	285	322	322	292	406	327
7439-89-6	Iron	6010C	5040	NT	NT	NT	NT	NT
7439-92-1	Lead	6020(A)	9.09	9.11	9.55	9.22	10.5	8.04
7439-95-4	Magnesium	6010C	12500	NT	NT	NT	NT	NT
7439-96-5	Manganese	6020A	185	NT	NT	NT	NT	NT
7439-97-6	Mercury	7471A	0.479	0.781	0.745	0.70	0.72	0.46
7439-98-7	Molybdenum	6020(A)	15.4	15.4	15.7	13.8	18.7	14.6
7440-02-0	Nickel	6020(A)	18.4	20.4	27.6	15.5	23.2	18.3
7782-49-2	Selenium	6020(A)	7.2	7.9	7.9	7.0	9.4	7.2
7440-22-4	Silver	6020(A)	2.99	5.42	3.07	2.59	3.45	2.63
7440-28-0	Thallium	6020(A)	0.112	<0.088	<0.092	0.075	0.099	0.072
7440-31-5	Tin	6010C	23.6	NT	NT	NT	NT	NT
7440-32-6	Titanium	6010C	131	NT	NT	NT	NT	NT
7440-66-6	Zinc	6020(A)	722	839	830	733	1140	846
Conventional								
mg/kg dry								
57-12-5	Cyanide	9010B	<0.73	NT	NT	NT	NT	NT
7723-14-0	Phosphorus	6010B	32800	41700	46600	29400	20600	22600
7664-36-0	Ammonia-N	350.1	14500	15200	11700	17200	14600	16400
	Total Kjeldahl Nitrogen	351.2	69800	81700	74700	73400	79100	79600
	Total Solids	160.3m	13.5	13.6	13.0	12.6	11.83	12.82
	Total Volatile Solids	160.4	76.4	76.1	76.4	76.6	80.1	79.5
14797-65-0	Nitrite-Nitrogen	300.0	4.9	<1.8	<1.8	2.40	<2.0	<1.9
14797-55-8	Nitrate-Nitrogen	300.0	<1.8	<1.7	<2.0	<1.7	<0.24	<0.25
	pH (SU)	150.1	7.86	7.79	7.96	8.13	7.67	8.06
14808-79-8	Sulfate	300.0	438	NT	NT	NT	NT	NT
16984-48-8	Fluoride	300.0	<140	NT	NT	NT	NT	NT
24687-31-8	Bromide	300.0	<74	NT	NT	NT	NT	NT
18496-25-8	Sulfide	9030B	1560	NT	NT	NT	NT	NT
64743-03-9	Phenolics	420.1	2.3	NT	NT	NT	NT	NT
68153-81-1	Oil and Grease (T)	1664	49100	NT	NT	NT	NT	NT
Polybrominated Diphenyl Ethers								
ug/kg dry								
97038-97-6	PBDE 100	8270C SIM	41	NT	NT	NT	NT	NT
81397-99-1	PBDE 99	8270C SIM	280	NT	NT	NT	NT	NT
56-307-79-0	PBDE 85	8270C SIM	<7.4	NT	NT	NT	NT	NT
	PBDE (Total)	8270C SIM	321	NT	NT	NT	NT	NT

NT = Not Tested

