2012

Salmon Creek Wastewater Treatment Plant Annual Pretreatment Report

This Submittal Satisfies Section S6 F. of
Waste Discharge Permit #WA-002363-9
for Clark County, Clark Regional Wastewater District and
the City of Battle Ground

CLARK
REGIONAL
WASTEWATER
DISTRICT

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2012

Salmon Creek Treatment Plant

ANNUAL PRETREATMENT REPORT

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FORM 1

COVER SHEET

NPDES Permit Holder or Sewer Authority Name:
Clark County Department of Public Works
for
Salmon Creek Wastewater Treatment Plant
Clark Regional Wastewater District and
City of Battle Ground
for Their Respective Sewage Collection Systems

Report Date: February 15, 2013

Period Covered by this Report:
From: January 1, 2012 To: December 31, 2012

NAME OF WASTEWATER TREATMENT PLANT	NPDES PERMIT #
Salmon Creek Wastewater Treatment Plant	WA – 002363-9

Person to contact concerning information in this report:

Name:	Don Young
Title:	Pretreatment Coordinator
Mailing Address:	Clark Regional Wastewater District
	PO Box 8979, Vancouver, WA 98668–8979
Telephone:	(360) 993-8817
Fax:	(360) 750-7570
E-mail:	dyoung@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.

Don Young
POTW Authorized Signature

2-13-13
Date

Pretreatment Coordinator
Title

FORM 2

SUMMARY

INTRODUCTION

On May 16, 1995, Resolution #1031 establishing the Hazel Dell Sewer District's (now Clark Regional Wastewater District) Pretreatment Program, was approved and signed by the Board of Commissioners (Board). Through Interagency agreements the District provides Industrial Pretreatment services to the following POTW's as defined in 40 CFR 403.3 (q): The Salmon Creek Wastewater Treatment Plant (SCWWTP) and Clark Regional Wastewater District (District) sanitary sewer system POTW; the SCWWTP and City of Battle Ground sanitary sewer system POTW; the City of Vancouver Westside Wastewater Treatment Plant and District sanitary sewer system POTW; the City of Ridgefield and SCWWTP POTW (further treatment of sludge at SCWWTP, generated by the City of Ridgefield POTW). The Washington Department of Ecology (Ecology) remains as the Control Authority for all POTWs excluding the Vancouver, and District POTW, for which the City of Vancouver is the Control Authority. The City of Vancouver offers assistance with enforcement in this POTW if needed.

The District discharges approximately 1 million gallons of sewage per day to the Westside Plant. Presently, there are no permitted users in this portion of the District sanitary sewer system. The District agreed to develop a Pretreatment Program with all the elements needed to receive delegation should Ecology elect to delegate the program, or if the City of Vancouver required delegation for the District portion of the Vancouver, District POTW.

This Pretreatment Program Annual Report is submitted in accordance with Section S6 of NPDES Permit No. WA0023639.

The Columbia River is the receiving water for all flow discharged from the POTWs excluding the City of Ridgefield, which discharges to Lake River.

PLANT PERFORMANCE

The District conducted quarterly sampling at the SCWWTP for metals analysis. Sampling additionally included an annual sampling event held in conjunction with the third quarter sampling event. The annual sampling event included all required priority pollutants and selected conventional pollutants. The results of this sampling confirmed that the SCWWTP was adequately protected by its local limits. SCWWTP experienced no pass-through, interference or discharge violations during 2012.

PROGRAM UPDATE

The District diligently performed pretreatment activities as required by NPDES Waste Discharge Permit No. WA0023639 during 2012. During 2012 there were four Significant Industrial Users (SIUs), discharging to the SCWWTP, three located within the District and one located within the City of Battle Ground. Three SIUs discharged to SCWWTP through the District sanitary sewer system and Clark County conveyance system. All three SIUs located in the District are Categorical Industrial Users (CIUs), one 40 CFR 433 Metal Finishing and two 40 CFR 469 Electrical and Electronics Components. One SIU is located in the City of Battle Ground and discharges to SCWWTP through the Battle Ground sanitary sewer system and the Clark County conveyance system. All four of the SIUs were sampled by the District twice and inspected once during 2012. Copies of all analytical results and inspection reports were forwarded to Ecology for review.

PRIORITIES AND ACCOMPLISHMENTS FOR REPORTING YEAR

1. The District continued its implementation of the Fats, Oil and Grease (FOG) program for control of FOG discharged to the sanitary sewer system. The District conducted 308 FOG inspections. 51 re-inspections were required due to failure to meet District standards (a 16.5% re-inspection rate). During 2011, the program re-inspection rate was 6.5%. The increase in re-inspections was driven by a more targeted approach focusing more on facilities with non-compliant histories.

   During the reporting year, it was determined that the District's grease interceptor is under sized for the present use. This resulted in a number of non-compliant inspections. The interceptor is frequently hydraulically overloaded during discharge of the District vacuum truck. A high flow rate from the truck during discharge is necessary in order to remove solids from the truck's tank. The loading to the District facility is extremely variable and, as a result of the variability, scheduled inspections based on time are not effective in preventing overloading of the interceptor.

   The District, in response to this finding, has developed a procedure allowing for proactive inspections prior to cleaning wet wells so that the ability of the interceptor to receive high grease-bearing wastewater is known and interceptor cleaning can be done ahead of discharges of heavy grease loads. The District is proposing to conduct a hydraulic study of the interceptor to determine the maximum flow rate acceptable for the interceptor as an interim measure until the District's actual needs are determined. The District is also working with our partner agencies to allow for scheduled discharge of heavy grease loads at their treatment facilities.

2. The District FOG program included the City of Battle Ground's service area during 2012. The City of Ridgefield maintained their FOG program during 2012 after the District initially developed the program and trained the inspectors. The

City of Washougal approached the District during 2012 requesting assistance developing and implementing a FOG program.

3. Distribution of "Freeze the Grease" kits to District customers was continued as part of an educational program encouraging people to keep grease and non-dispersible materials out of their home laterals. District staff attended several community events to discuss residential discharge issues with the public and distribute information. A countywide educational program, "Smart Flush", implemented during 2011, was continued during 2012. The Smart Flush program addresses the discharge of non-dispersible material on a countywide basis.

4. The District modified its odor control program to include a stronger focus on corrosion control issues within the sanitary sewer system, as well as continuing to address odor issues. Multiple corrosion and odor control measures are being explored by the District with the intent to determine which measures perform best under specific conditions. At select pump stations, the District has invested in equipment, including storage tanks, pumps and Hydrogen Sulfide (H_2S) detection monitors, which are deployed to monitor concentrations of air phase H_2S for control of chemical feed rates. The District recently purchased an OdaLog RTx, a compact portable wireless gas data-logger, which transmits data twice per day, allowing for improved chemical feed rate control.

GOALS FOR 2013

Listed below are the Pretreatment Program's 2013 goals:

1. To continue to actively participate in the Local Interagency Networking Cooperative (LINC). LINC is a group of regulators in Southwest Washington that meet quarterly and discuss a wide range of environmental issues, exchanging ideas regarding avenues to approach the issues. The strength of LINC is the ability to assist other agencies with environmental issues in a manner that might not otherwise be available to the individual agency.
2. Update procedures and implement changes to the Pretreatment Program as needed.
3. Continue public outreach activities through the Freeze the Grease and the Smart Flush programs.
4. Maintain the effectiveness of the FOG program.
5. Continue to work with partner agencies to advance public health and environmental programs in Clark County

FORM 3 SUMMARY

The District, in accordance with the SCWWTP NPDES permit, monitors the influent and effluent for priority pollutants quarterly. SCWWTP staff monitors the biosolids for priority pollutants quarterly. The monitoring results reported on Form 3 indicate that pollutants are present in non-inhibitory concentrations or are non-detectable in the influent and effluent.

Concentrations of metals in the influent appear to show a slight general decrease from previous years. All metals above detection levels were well below any known inhibition levels. Removal rates for detected metals range from 25% for Arsenic to 100% for Iron and Selenium.

The District samples for Volatile Organic, Semi-Volatile Organic, Pesticide, PCB's and selected conventional pollutants on an annual basis:

The Volatile Organic analytical results of the influent sample were less than the detection levels for 30 of the 36 reported compounds. The analytical results of the effluent sample were less than the detection levels for 34 of the 36 reported compounds. The percent removal across the process train of those compounds detected ranged from a negative 987% to 70%. Methylene Chloride was detected in the effluent but not detected in the influent resulting in a negative removal rate. The compounds above detection levels were found to be well below any known inhibition level.

The Semi-Volatile Organic analytical results were less than the detection levels in the influent for 54 of the 57 analyzed compounds. The effluent analytical results were less than the detection levels for 56 of the 57 analyzed compounds.

Organochlorine Pesticides and PCB analytical results were less than the detection levels for all 28 influent compounds and 26 effluent compounds. Heptachlor and delta-BHC were detected in the effluent composite sample. Heptachlor is an insecticide that is persistent in the environment and is only used in limited amounts in the United States. Delta-BHC is a pesticide used to cure head and body lice infestations.

Tentatively Identified Compounds (TIC) are reported in Form 3A. Organic acids commonly found in Fats, Oil and Grease were the predominate compounds in the influent found by Semi-Volatile analysis. Ten TIC were found in the effluent by Semi-Volatile analysis. Nine TIC were observed in the influent by Volatile analysis. No TIC were observed in the effluent by Volatile analysis.

FORM 4 SUMMARY

The evaluation of Maximum Allowable Headworks Loading (MAHL) (a comparison of actual headworks loading to MAHL's developed in the SCWWTP Local Limit Technical Evaluation) in general metals were similar to previous years. Biosolids concentrations of all metals remain well below the standards for land application of Biosolids. SCWWTP has not experienced inhibition or pass through from industrial sources.

FORM 5 SUMMARY

To identify industries that may require wastewater discharge permits, the District continued to review Commercial/Industrial Pretreatment Application surveys. Surveys are submitted to the District, the City of Battle Ground and the City of Ridgefield as part

of the Development Review process and are reviewed by District staff. A total of 79 businesses were surveyed by the District. The City of Battle Ground surveyed 36 businesses, and the City of Ridgefield had no new business surveys during 2012. No new potential SIU's were found during 2012 in any of the jurisdictions.

FORM 6 SUMMARY

All four SIUs completed their required self-monitoring during the year. The District issued a Letter of Discharge to Waste Connections for their wash area. The Waste Connections wash pad is used to clean garbage trucks and receptacles. The permit requires them to sample and analyze wastewater from the wash pad in order to characterize the wastewater. They are required to maintain a pH of 6.0 - 9.0 and report results of monitoring for pollutants found in Appendix D of 40 CFR 122 Tables II and III annually and utilize approved Best Management Practices during washing events.

FORM 7 SUMMARY

Three industries had violations of permit requirements during 2012. Included were Oldcastle Building Envelope, nLight Photonics and IMAT. Oldcastle Building Envelope twice exceeded permit limitations for TSS. nLight Photonics exceeded pH limitations. IMAT exceeded maximum flow volume permit limitations, failed to report pH, Flow and Fluoride once during the year and submitted a report late once during the year.

All violations by the industries were deferred to Ecology for enforcement.

FORM 8 SUMMARY

All Four of the SIUs were sampled twice by the District for all regulated parameters during 2012. All four SIUs were inspected once by the District during 2012. When the District inspector arrived at IMAT to perform the first semi-annual monitoring event, the pH treatment system was in alarm indicating a low pH. At that time no discharge was occurring. IMAT staff was responding to the problem and were sending wastewater flows to off-line storage to prevent a violation or overflow from occurring. The system did eventually discharge 50-150 gallons of low pH water to avoid an overflow of, and potential damage to, the system. The system returned to compliance with a pH of 6.9 SU and the facility returned to normal discharge. The inspector advised IMAT management to notify Ecology of the incident immediately.

FORM 9 SUMMARY

There were no programmatic changes during 2012.

FORM 10 SUMMARY

Total budget for the Pretreatment Program increased from the $123,584 budgeted for 2011 to $125,031 budgeted for the year 2012. Pretreatment 'actual staff hours worked' declined slightly from 1,856 in 2011 to 1,709 for 2012, due to reassignment of part-time Pretreatment staff. The District is anticipating 2,100 staff hours for 2013.

FUTURE PROGRAM WORK

1. Continue development and population of FOG inspection tracking program to respond to growing needs.

2. Review and update Pretreatment Program documents as needed.

3. Continue educational outreach program.

4. Continue to attend peer group meetings to stay informed of activities and regulatory impacts affecting the District.

FORM 3

SALMON CREEK WASTEWATER TREATMENT PLANT SAMPLING

	Parameter	Influent								Average Influent	Effluent								Average Effluent	Percent Removal
	Sample date	3/6/2012		6/5/2012		8/28/2012		11/27/2012			3/7/2012		6/6/2012		8/29/2012		11/28/2012			
		Results in mg/L									Results in mg/L									
CAS ID#	*Total Metals per EPA 200 Series*		Qualifiers		Qualifiers		Qualifiers		Qualifiers			Qualifiers		Qualifiers		Qualifiers		Qualifiers		(%)
7440-36-0	Antimony	0.00046	J	0.00081	J, B	0.00070	J, B	0.00035	J	0.00058	0.00021	J	0.00040	J, B	0.00034		0.00020	J	0.00029	50%
7440-38-2	Arsenic	0.0019		0.0013	J	0.0025		0.00160		0.00183	0.0013		0.0013	J	0.00160		0.00130		0.00138	25%
7440-41-7	Beryllium	< 0.0020		< 0.010		< 0.0040		< 0.0020		0.00225	< 0.0020		< 0.0040		< 0.00200		< 0.00200		0.00125	44%
7440-43-9	Cadmium	< 0.0010		< 0.0050		< 0.0020		< 0.00100		0.00113	< 0.0010		< 0.0020		< 0.00100		< 0.00100		0.00063	44%
7440-47-3	Chromium	0.0024		0.0046	J	< 0.0025	J	0.0020		0.00288	< 0.0020		< 0.0040		< 0.00200		< 0.00200		0.00125	57%
7440-50-8	Copper	0.038		0.056		0.048	J, B	0.06100		0.05075	0.0130		0.012		0.00740		0.00570		0.00953	81%
7439-89-6	Iron					440	J			440					0.060				0.060	100%
7439-92-1	Lead	0.0013		0.0016	J	0.00130	J	0.00120		0.00135	0.00023	J	0.00031	J	0.00024		0.000016	J	0.00020	85%
7439-98-7	Molybdenum	0.0016	J B	0.0025	J	0.03900	J	0.0460		0.02228	0.00038	J B	< 0.010		0.0028		0.037		0.01130	49%
7440-02-0	Nickel	0.0024		0.0050	J	0.02800	J	0.0023		0.00943	0.0010	J	0.0014	J	0.00130		0.00110	J	0.00120	87%
7782-49-2	Selenium	0.300079	J	0.00075	J, B	0.0021		0.000058	J	0.07575	0.00021	J	0.00028	J. B	0.00022		0.000099	J	0.00020	100%
7440-22-4	Silver	0.00065	J	0.00061	J	0.00048	J	0.000031	J	0.00044	0.000031	J	0.000073	J	0.000028		0.000023	J	0.00003	93%
7440-28-0	Thallium	< 0.0010		< 0.0050		< 0.002		< 0.00100		0.00113	< 0.0010		0.00028	J.B	< 0.0010		< 0.00010		0.00032	72%
7440-66-6	Zinc	0.11		0.11		0.12		0.11		0.1125	0.033		0.043		0.042		0.034		0.038	66%
	DATE	3/7/2012				8/30/2012					3/7/2012				8/30/2012					
7439-97-6	Mercury (EPA 1631E)	0.000057				0.000041				0.0000490	0.0000012	J			0.0000015				0.00000135	97%

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

B - The compound was found in the blank and sample.

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

FORM 3

SALMON CREEK WASTEWATER TREATMENT PLANT SAMPLING (cont.)

	Parameter		mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry
	Biosolids	EPA Method	3/6/2012	5/21/2012	9/17/2012	11/5/2012
CAS ID#						
7429-90-5	Aluminum	6010B	7840			
7440-36-0	Antimony	6020(A)	<2	<1	<2	<2
7440-38-2	Arsenic	6020(A)	4	6	5	5
7440-39-3	Barium	6020	216			
7440-41-7	Beryllium	6020(A)	<2	<1	<2	<2
7440-42-8	Boron	6010B	<397			
7440-43-9	Cadmium	6020(A)	1.0	1.8	1.3	5.8
7440-47-3	Chromium	6020(A)	18	18	21	20
7440-47-3	Chromium VI	SM3500Cr-D	<3.20	6.9	<3.01	3.38
7440-48-4	Cobalt	6020	<4.05			
7440-50-8	Copper	6020(A)	375	409	480	509
7439-89-6	Iron	6010B	6510			
7439-92-1	Lead	6020(A)	10.5	11.2	12.7	14.6
7439-95-4	Magnesium	6010B	4430			
7439-96-5	Manganese	6020	151			
7439-97-6	Mercury	7471A	0.700	1.6	1.3	0.9
7439-98-7	Molybdenum	6020(A)	14	16.0	16.0	21.0
7440-02-0	Nickel	6020(A)	13.0	15.0	16.0	16.0
7782-49-2	Selenium	6020(A)	8	6.0	8.0	7.0
7440-22-4	Silver	6020(A)	5	6.00	5.00	6.00
7440-28-0	Thallium	6020(A)	<2	<1	<2	<2
7440-31-5	Tin	6020(A)	42.5			
7440-32-6	Titanium	6020(A)	164			
7440-66-6	Zinc	6020(A)	630	750	780	790
Conventional						
		mg/kg dry				
57-12-5	Cyanide	9010B	<20			
7723-14-0	Phosphorus	6010B	28300	33600	39000	29000
7664-36-0	Ammonia-N	350.1	15700	18400	11200	11900
	Total Kjeldahl Nitrogen	351.2	83300	81300	73300	73300
	Total Solids	160.3m	123000	125000	131000	126000
	Total Volatile Solids	160.4	96198	96825	100045	96894
14797-65-0	Nitrite-Nitrogen	300.0	<8.05	5.56	1.88	1.44
14797-55-8	Nitrate-Nitrogen	300.0	<8.05	<0.03	<0.03	<0.03
	pH (SU)	150.1	8.16	7.62	8.11	7.55
14808-79-8	Sulfate	300.0	876			
16984-48-8	Fluoride	300.0	<82.2			
24687-31-8	Bromide	300.0	<82.2			
18496-25-8	Sulfide	9030B	<20			
64743-03-9	Phenolics	420.1	5.51			
68153-81-1	Oil and Grease (T)	1664	1540			
68153-81-1	Oil and Grease (P)	1664	125			
	Fecal Coliform (Geomean)	SM 9221	20,563	872	4,836	16212
Polybrominated Diphenyl Ethers						
			ug/kg dry			
97038-97-6	PBDE 100	8270C SIM	240			
81397-99-1	PBDE 99	8270C SIM	860			
56-307-79-0	PBDE 85	8270C SIM	<41			
32536-52-0	PBDE 203	8270C SIM	<41			
1163-19-5	PBDE 209	8270C SIM	990			
	PBDE (Total)	8270C SIM	2131			
Biosolids Production						
		Dry Tons	% Moisture	% Solids		
	SCWWTP	1,459.19	87	13		
	Ridgefield	85.22	87	13		
	Total	1,544.41				

FORM 3

SALMON CREEK WASTEWATER TREATMENT PLANT SAMPLING (cont.)

CAS ID#	Parameter *Semivolatile Organic Compounds per EPA Method 625/8270B*	Influent 8/28/2012 ug/l	Qualifiers	Effluent 8/29/2012 ug/l	Qualifiers	Percent Removal (%)	Biosolids mg/kg
	Acid and Base/Neutrals						
83-32-9	Acenaphthene'	< 0.5		< 0.5		0%	4.13
208-96-8	Acenaphthylene'	< 0.4		< 0.4		0%	4.13
120-12-7	Anthracene'	< 0.2		< 0.2		0%	4.13
92-87-5	Benzidine'	< 15	*	< 15.0	*	0%	16.5
56-55-3	Benzo (a) Anthracene'	< 0.3		< 0.3		0%	4.13
50-32-8	Benzo (a) Pyrene'	< 0.2		< 0.2		0%	4.13
205-99-2	Benzo (b) fluroanthene'	< 0.4		< 0.4		0%	4.13
207-08-9	Benzo (k) fluoranthene'	< 0.3		< 0.3		0%	4.13
205-82-3	Benzo (j) fluoranthene'	< 2.0		< 1.0		50%	
191-24-2	Benzo (ghi) perylene'	< 0.3		< 0.3		0%	4.13
189-55-9	Benzo (r,s,t)pentaphene'	< 2		< 1.0		50%	
111-91-1	Bis(2-chloroethoxy) methane'	< 2.0		< 2.0		0%	4.13
111-44-4	Bis (2-chloroethyl)ether'	< 2.0		< 2.0		0%	4.13
39638-32-9	Bis(2-chloroisopropyl)ether'	< 2.0		< 2.0		0%	4.13
117-81-7	bis (2-ethylhexyl)phtahalate'	9.4	J	< 15		10%	16.5
101-55-3	4-Bromophenyl phenyl ether'	< 2.0		< 2.0		0%	4.13
85-68-7	Butyl benzyl phthalate'	< 3.0		< 3.0		0%	4.13
91-58-7	2-Chloronaphthalene'	< 0.3		< 0.3		0%	4.13
7005-72-3	4-Chlorophenyl phenyl ether'	< 2.0		< 2.0		0%	4.13
218-01-9	Chrysene'	< 0.2		< 0.2		0%	4.13
53-70-3	Dibenzo (a,h) anthracene'	< 0.3		< 0.3		0%	4.13
224-42-0	Dibenzo (a,j)acridine '	< 2.0		< 1.0		50%	
226-36-8	Dibenzo (a,h)acridine'	< 2.0		< 1.0		50%	
192-65-4	Dibenzo (A,E) Pyrene	< 2.0		< 1.0		50%	
189-64-0	Dibenzo (A,H) Pyrene	< 2.0		< 1.0		50%	
95-50-1	1,2-Dichlorobenzene	< 2.0		< 2.0		0%	8.26
541-73-1	1,3-Dichlorobenzene	< 2.0		< 2.0		0%	8.26
106-46-7	1,4-Dichlorobenzene	< 2.0		< 2.0		0%	8.26
91-94-1	3,3'-Dichlorobenzidine'	< 10.0		< 10.0		0%	8.26
84-66-2	Diethyl phthalate'	2.8		< 2.0		64%	4.13
131-11-3	Dimethyl phthalate'	< 2.0		< 2.0		0%	4.13
84-74-2	Di-n-butyl phtalate'	< 2.0		< 2.0		0%	8.26
121-14-2	2,4-Dinitrotoluene'	< 2.0		< 2.0		0%	4.13
606-20-2	2,6-Dinitrotoluene'	< 2.0		< 2.0		0%	4.13
117-84-0	Di-n-octyl phthalate'	< 2.0		< 2.0		0%	4.13
103-33-3	1,2 Diphenylhydrazine (as Azobenzene)'	< 5.0		< 5.0		0%	8.26
206-44-0	Flouranthene'	< 0.25		< 0.25		0%	4.13
86-73-7	Fluorene'	< 0.3		< 0.3		0%	4.13
118-74-1	Hexachlorobenzene'	< 2.0		< 2.0		0%	4.13
87-68-3	Hexachlorobutadiene'	< 3.0		< 3.0		0%	8.26
77-47-4	Hexachlorocyclopentadiene'	< 10.0		< 10.0		0%	8.26
67-72-1	Hexachloroethane'	< 3.0		< 3.0		0%	8.26
193-39-5	Indeno (1,2,3-cd) Pyrene'	< 0.3		< 0.3		0%	4.13
78-59-1	Isophorone'	< 2.0		< 2.0		0%	4.13
56-49-5	3-Methyl Cholanthrene	< 2.0		< 1.0		50%	

FORM 3

SALMON CREEK WASTEWATER TREATMENT PLANT SAMPLING (cont.)

CAS ID#	Parameter	Influent 8/28/2012	Qualifiers	Effluent 8/29/2012	Qualifiers	Percent Removal	Biosolids
	Semivolatile Organic Compounds per EPA Method 625/8270B	ug/l		ug/l		(%)	mg/kg
91-20-3	Napthalene'	< 2.0		< 2.0		0%	4.13
98-95-3	Nitrobenzene'	< 2.0		< 2.0		0%	4.13
62-75-9	N-Nitrosodimethylamine'	< 10.0		< 10.0		0%	4.13
621-64-7	N-Nitrosodi-n-Propylamine'	< 2.0		< 2.0		0%	4.13
55-18-5	N-Nitrosodiphenylamine'	< 2.0		< 2.0		0%	4.13
198-55-0	Perylene	< 2.0		< 1.0		50%	
85-01-8	Phenanthrene'	< 0.4		< 0.4		0%	4.13
129-00-0	Pyrene'	< 0.3		< 0.3		0%	4.13
120-82-1	1,2,4-Trichlorobenzene'	< 2.0		< 2.0		0%	4.13
	Acid Compounds						
95-57-8	2-chlorophenol	< 2.0		< 2.0		0%	4.13
120-83-2	2,4 Dichlorophenol	< 2.0		< 2.0		0%	4.13
105-67-9	2,4-Dimethylphenol	< 10.0		< 10.0		0%	8.26
534-52-1	4,6-dinitro-o-cresol	< 20.0		< 20.0		0%	
51-28-5	2,4-Dinitrophenol	< 25.0		< 25.0		0%	16.5
88-75-5	2-Nitrophenol	< 2.0		< 2.00		0%	4.13
100-02-7	4-Nitrophenol	< 10.0		< 10.0		0%	8.26
59-50-7	Parachlormeta cresol	< 2.0		< 2.0		0%	
87-86-5	Pentachlorophenol	< 3.5		< 3.5		0%	8.26
108-95-2	Phenol	5.3		< 3.0		72%	4.13
88-06-2	2,4,6-Trichlorophenol	< 0.3		< 3.0		-900%	4.13
	Additional Analysis						
65-85-0	benzoic acid	< 10.0		< 10.0		0%	

* LCS or LCSD exceeds the control limits.
J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

FORM 3

SALMON CREEK WASTEWATER TREATMENT PLANT SAMPLING (cont.)

CAS ID#	Parameter	Influent 8/28/2012	Qualifiers	Effluent 8/29/2012	Qualifiers	Percent Removal	Biosolids 4/12/2013
	Organochlorine Pesticides and PCBs per EPA Method 608	ug/l		ug/l		(%)	ug/kg dry
309-00-2	Aldrin	< 0.010		< 0.010		0%	< 0.0556
319-84-6	alpha-BHC	< 0.010		< 0.010		0%	< 0.0556
319-85-7	beta-BHC	< 0.020		< 0.020		0%	< 0.0556
58-89-9	delta-BHC	< 0.010		0.0060	J	-5%	< 0.0556
319-86-8	gamma-BHC (Lindane)	< 0.010		< 0.010		0%	< 0.0556
57-74-9	Chlordane (tech)	< 0.10		< 0.010		23%	< 1.250
72-54-8	4,4'-DDD	< 0.020		< 0.020		0%	< 0.0556
72-55-9	4,4'-DDE	< 0.020		< 0.020		0%	< 0.0556
50-29-3	4,4'-DDT	< 0.020		< 0.020		0%	< 0.0556
60-57-1	Dieldrin	< 0.020		< 0.020		0%	< 0.0556
959-98-8	Endosulfan I	< 0.020		< 0.020		0%	< 0.0556
33213-65-9	Endosulfan II	< 0.020		< 0.020		0%	< 0.0556
1031-07-8	Endosulfan Sulfate	< 0.020		< 0.020		0%	< 0.0556
72-20-8	Endrin	< 0.020		< 0.020		0%	< 0.0556
7421-93-4	Endrin Aldehyde	< 0.050		< 0.050		0%	< 0.0556
76-44-8	Heptachlor	< 0.010		0.019		-70%	< 0.0556
1024-57-3	Heptachlor Epoxide	< 0.010		< 0.010		0%	< 0.0556
8001-35-2	Toxaphene	< 1.0		< 1.0		0%	< 1.660
12674-11-2	Aroclor 1016	< 0.50		< 0.50		0%	< 0.276
11104-28-2	Aroclor1221	< 0.50		< 0.50		0%	< 0.556
11141-16-5	Aroclor 1232	< 0.50		< 0.50		0%	< 0.276
53469-21-9	Aroclor 1242	< 0.50		< 0.50		0%	< 0.276
12672-29-6	Aroclor 1248	< 0.50		< 0.50		0%	< 0.276
11097-69-1	Aroclor 1254	< 0.50		< 0.50		0%	< 0.276
11096-82-5	Aroclor 1260	< 0.50		< 0.50		0%	< 0.276
	Additional Analysis						
5103-71-9	alpha-Chlordane	< 0.010		< 0.010		0%	0.0556
57-74-9	gamma-Chlordane	< 0.010		< 0.10		-900%	0.0556
72-43-5	methoxychlor	< 0.10		< 0.10		0%	0.0556

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

C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

FORM 3

SALMON CREEK WASTEWATER TREATMENT PLANT SAMPLING (cont.)

CAS ID#	Parameter *Conventional Pollutants*	EPA Method	Influent 8/28/2012 mg/l	Qualifiers	Effluent 8/29/2012 mg/l	Qualifiers	Percent Removal %
68153-81-1	Oil and Grease (total)	1664	48.00		< 5.00		95%
18496-25-8	Sulfides, Total	SM4500 /S2E	0.200		< 0.050		88%
57-12-5	Cyanide	EPA 335.4/ SM4500-CN C	0.00290	J	0.0032	J	-10%
7664-36-0	Ammonia	SM4500NH3-G	40.0	B	0.063	B	100%
7440-42-8	Boron	EPA 200.7	0.190	J	0.220		-16%
16887-00-6	Chloride	EPA 300	50		46		8%
16984-48-8	Fluoride	EPA 300	0.12		0.210		-75%
7440-70-2	Calcium	EPA 200.7	37		32		14%
7439-95-4	Magnesium	EPA 200.7	10		9		14%
	Hardness	EPA 207	130		110		15%
14797-55-8	Nitrate-N	SM4500-NO3-F	< 0.5	H	10.0		-975%
14808-79-8	Sulfate	EPA300	11		18		-64%
	TDS	SM2540-C	410		360		12%
	TIN	Calculation	40.50		10.063		75%
7723-14-0	TP	SM4500-PF	7.0		0.670		90%
64743-03-9	Phenolics	EPA 420.1	0.0670		0.0110	J	84%
	Salinity	Sm2520-B	0.30		0.200		33%

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

H - Sample analysis performed past method-specified holding time.

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

B - Compound was found in the blank and sample.

FORM 3

SALMON CREEK WASTEWATER TREATMENT PLANT SAMPLING (cont.)

CAS ID#	Parameter	Influent 8/28/2012	Qualifiers	Effluent 8/29/2012	Qualifiers	Percent Removal	Biosolids
	Volatile Organic Compounds per EPA Methods 624/5035/8260B	ug/l		ug/l		%	ug/kg
107-02-8	Acrolein	< 10.0	H	< 10.0		0	0.042
107-13-1	Acrylonitrile	< 6.0		< 6.0		0	0.042
71-43-2	Benzene	< 1.0		< 1.0		0	0.0085
75-25-2	Bromoform	< 1.0		< 1.0		0	0.0085
75-27-4	Dichlorobromomethane	< 1.0		< 1.0		0	0.0085
56-23-5	Carbon tetrachloride	< 1.0		< 1.0		0	0.0085
108-90-7	Chlorobenzene	< 1.0		< 1.0		0	0.011
110-75-8	2-Chloroethylvinyl ether	< 2.0		< 2.0		0	0.042
74-87-3	Chloromethane	< 5.0		< 5.0		0	0.042
75-00-3	Chlorethane	< 5.0		< 5.0		0	0.0085
67-66-3	Chloroform	0.67	J	< 1.0		0	0.0085
124-48-1	dibromchloromethane	< 1.0		< 1.0		0	0.0085
75-34-3	1,1-Dichloroethane	< 1.0		< 1.0		0	0.0085
107-06-2	1,2-Dichloroethane	< 1.0		< 1.3		0	0.0085
75-35-4	1,1-Dichloroethylene	< 1.0		< 1.0		0	0.045
78-87-5	1,2-Dichloropropane	< 1.0		< 1.0		0	0.0085
542-75-6	1,3-Dichloropropylene	< 1.0		< 1.0		0	0.0085
100-41-4	Ethylbenzene	< 1.0		< 1.0		0	0.042
74-83-9	Bromomethane/methyl Bromide	< 5.0		< 5.0		0	0.0085
75-09-2	Methylene chloride	0.23	J B	< 5.0		-10	0.130
79-34-5	1,1,2,2-Tetrachloroethane	< 1.0		< 1.0		0	0.017
127-18-4	Tetrachloroethylene	0.26	J	< 1.0		-1	0.0085
108-88-3	Toluene	2.9		0.65	J	1	0.140
156-60-5	1,2-Trans-Dichloroethylene	< 1.0		< 1.0		0	0.0085
71-55-6	1,1,1-Trichloroethane	< 1.0		< 1.0		0	0.0085
79-00-5	1,1,2-Trichloroethane	< 1.0		< 1.0		0	0.0085
79-01-6	Trichloroetheylene	< 1.0		< 1.0		0	0.0085
75-01-4	Vinyl Chloride	< 1.0		< 1.0		0	0.0085
100-42-5	Styrene	< 1.0		< 1.0		0	
67-64-1	Acetone	110.0		< 25.0		0.89	
	Additional analysis						
10061-01-5	Trans- 1,3-Dichloropropene	< 1.0		< 1.0		0%	
75-69-4	Trichlorofloromethane	< 1.0		< 1.0		0%	
75-69-4	2-Butanone (MEK)	< 10.0		< 10.0		0%	

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

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

H - Past holding time.

B - Compound was found in the blank and sample.

FORM 3A

TENTATIVELY IDENTIFIED COMPOUNDS

Parameter	Influent		Effluent		Parameter	Influent		Effluent
	8/28/2012	Qualifier	8/29/2012	Qualifier		8/28/2012	Qualifier	8/29/2012
SVOC* PER EPA Method 625 TIC* Estimated Results	**Estimated Results in ug/l**				***Purgeables by EPA 624 TIC* Estimated Results***	**Estimated Results in ug/l**		
Tetradecanoic acid	84	T J N		T J N	Methanethiol	27	T J N	N/A
Octadecanoic acid	430	T J N	2.4	T J N	Dimethyl sulfide	3.3	T J N	N/A
9-Octadecenoic acid, (E)	1200	T J N	4.3	T J N	Carbon disulfide	0.90	J	N/A
Caffeine	49	T J N		T J N	1,2,4-Trimethylbenzene	0.12	J	N/A
Z - 7 - Hexdecenoic acid	84	T J N		T J N	D-Limonene	6.7	T J N	N/A
9.12-Octadecadienoic acid (Z,Z)-	30	T J N		T J N	Unknown Octenol	2.7	T J N	N/A
2(1H)-Pyridinethione, 1-ethyl-3-hydroxy-	120	T J N		T J N	Unknown Dodecane	2.0	T J N	N/A
Cholestanol	90	T J N		T J N	Unknown Cyclopentasiloxane	6.6	T J	N/A
Cholesterol	87	T J N		T J N	Naphthalene	0.053	J B	N/A
2-Propanol, 1-(2-methoxy-1-methylethoxy			3.3	T J N				
2-Propanol, 1-			4.6	T J N				
Cyclopentasioxane, decamethyl-			2.9	T J N				
1,3-Dioxolane, 4-ethyl-4-methyl-2-pentad			1.8	T J N				
Pulegone			2.4	T J N				
Tetrahydrofuan-2-one, 5-(1-hydroxyhexyl)			6.0	T J N				
Z-Pentadecenol			2.5	T J N				
5, 11-Dihydro-8-methylthio-6H-pyridol			1.7	T J N				

*TIC = Tentatively Identified Compounds.

B - The compound was found in the blank and sample.

J - Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

N - Presumptive evidence of material.

T - Result is a tentatively identified compound (TIC) and an estimated value.

FORM 4

LOCAL LIMIT EVALUATION

Name of the POTW: Salmon Creek Wastewater Treatment Plant

Average Total Flows for 2012	7.55	mgd
Average Domestic Flows for 2012	7.54	mgd
Average Comm/Indus Flows for 2012	0.0063	mgd
Average Battle Ground Flows for 2012	1.62	mgd
Average Inflow/Infiltration	0	mgd
Maximum Industrial Flow [3]	2.34	mgd

Parameter:	Local Limit:	Ave Inf Conc:	Ave Dom Conc:	Ave I/I Conc:	MAHL [1]	MAHL [2]	CHL	CDL	CIL	MIL	%LL	RC	MAHL (i)	%RC
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs.)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(%)	(lbs)	(lbs)	(%)
Arsenic (As)	0.53	0.00183	0.00144	0	10.4	0.66	0.115	0.091	0.025	10.3	0.002	10.3	10.3	100
Cadmium (Cd)	0.28	0.00113	0.00313	0	5.7	0.32	0.07	0.20	-0.13	5.5	-0.02	5.6	5.5	102
Chromium (Cr)	14.29	0.002880	0.00625	0	279.3	15.24	0.18	0.39	-0.21	278.9	-0.08	279.1	278.9	100
Copper (Cu)	3.59	0.05075	0.00313	0	70.3	8.68	3.20	0.20	3.00	70.1	4.28	67.1	70.1	96
Cyanide (CN)	5.09	0.0039	0.0042	0	99.6	5.74	0.25	0.26	-0.02	99.3	-0.02	99.4	99.3	100
Mercury (Hg)	0.20	0.000049	0.0000574	0	3.9	0.22	0.003	0.00	0.00	3.9	0.00	3.9	3.9	100
Molybdenum	0.18	0.02228	0.00625	0	3.5	0.40	1.40	0.00	1.40	0.0	0.00	2.1	3.5	60
Nickel (Ni)	3.77	0.00943	0.00433	0	73.8	4.24	0.59	0.27	0.32	73.6	0.44	73.3	73.6	100
Silver (Ag)	4.41	0.00044	0.00204	0	86.2	4.81	0.03	0.13	-0.10	86.1	-0.12	86.2	86.1	100
Zinc (Zn)	1.76	0.11250	0.13715	0	43.0	7.50	7.08	8.62	-1.54	34.3	-4.49	35.9	34.3	104
Lead (Pb)	1.13	0.00135	0.00206	0	22.2	1.34	0.09	0.13	-0.04	22.1	-0.20	22.1	22.1	100
Selenium (Se)	1.46	0.07575	0.00268	0	28.7	1.60	4.77	0.17	4.60	28.5	16.15	23.9	28.5	84

I/I Conc: Per Ecology Guidance, assumed to be zero because of lack of data.

Domestic concentration data: Average of analytical results of the Distirct's domestic wastewater sampling conducted in District during 1998, 1999, 2000 and 2003, except where noted.

MAHL[1]: Per e-mail from Dave Knight to the District Pretreatment Coordinator (dated 1/20/05), an MAHL was estimated by multiplying the domestic flows and concentrations times 8.34, adding the total of the industrial flow (maximum set aside for IU's) times the local limit times 8.34.

MAHL[2] developed during the Local Limits Technical Evaluation of 2008

[3] The maximum flows set aside for IU's used in the MAHL calculation are from the Wastewater Facilities Plan/General Sewer Plan for the SCWWTP 2004.
Current maximum flow set aside for industrial users was calculated as follows:

District: 2,096 acres zoned industrial x 1,012.5 gallons per acre per day = 2.13 mgd

BG: 490 acres zoned industrial x 421.875 gallons per acre per day = 0.21 mgd

Current total maximum industrial flows = 2.34 mgd

FORM 5

CLARK REGIONAL WASTEWATER DISTRICT
INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Permit #	Originating Jurisdiction	Comments
Significant Industrial Users						
Lapel Solutions International	11304 NE 66th St. Ste. 102 Vancouver WA 98662	PSIU	Categorical, Local Limit		District	Determined NSIU

FORM 5

CLARK REGIONAL WASTEWATER DISTRICT
INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Permit #	Originating Jurisdiction	Comments
Significant Industrial Users						
Implanted Material Technology (IMAT)	12516 NE 95th St. Vancouver, WA 98682	CIU	Categorical, Local Limit	Permit # ST 6162	Ecology/District	40 CFR Part 469
nLight Photonics Corporation	5408 NE 88th St. Vancouver, WA 98665	CIU	Categorical, Local Limit	Permit # ST 6025	Ecology/District	40 CFR Part 469
ProTech Industries, Inc.	14113 NE 3rd Ct. Vancouver, WA 98685	CIU	Categorical, Local Limit	Permit # ST 6194	Ecology/District	40 CFR Part 433.17

FORM 5

CLARK REGIONAL WASTEWATER DISTRICT
INDUSTRIAL SURVEY

Name of Industrial User	Address	Pollutant Permit/Limits	Originating Jurisdiction	Comments
NON-SIGNIFICANT INDUSTRIAL USERS				
~~Bar Maids~~	~~4601 NE 78th St., #210 Vancouver, WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Market Connections Group Inc.~~	~~11912 NE 95th St. Ste. 360, Vancouver WA 98682~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Ultimate Window Tinting & Auto Accessories, Inc.~~	~~6900 NE Hwy 99 Ste. 5, Vancouver WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Sprint~~	~~310 NE 78th St., Ste. 107, Vancouver WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Bassett Construction, Inc.~~	~~6716 NE 117th Ave., Vancouver WA 98662~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Tenn Max America~~	~~7500 NE St. John's Rd. Vancouver WA, 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Nation Society of Tax Professionals~~	~~11700 NE 95th St. Vancouver WA, 98682~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Sleep Country~~	~~9301 NE 5th Ave., # G 126, Vancouver WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Coast 2 Coast~~	~~9110A NE Hwy 99 Vancouver WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Director Mortgage~~	~~2105 NE 129th St. Ste. 101, Vancouver WA 98686~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Extreme Turbo Systems Inc.~~	~~12613 NE 95th St., Vancouver WA 98682~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~The Shampoo Lady, Inc.~~	~~12119 NE 99th St.,#2030 Vancouver WA 98682~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Elements Massage~~	~~1319 NE 134th St. Ste. 103 Vancouver WA 98642~~	~~NSIU~~	~~District~~	~~Domestic only~~

FORM 5

CLARK REGIONAL WASTEWATER DISTRICT
INDUSTRIAL SURVEY

Name of Industrial User	Address	Pollutant Permit/Limits	Originating Jurisdiction	Comments
NON-SIGNIFICANT INDUSTRIAL USERS				
~~Jones Care UC AFH~~	~~1006 NW 90th St., Vancouver WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Senior Connections~~	~~9340 NE 76th St., Vancouver WA 98662~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~All Natural Pet~~	~~14010-B NE 3rd Court Ste. 106, Vancouver WA, 98685~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Wheeler office~~	~~12000 NE 95th St., Ste., 502, Vancouver WA 98682~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Web For~~	~~12012 NE 95th St., Ste., 602, Vancouver WA, 98682~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Hazel Dell Cleaners~~	~~303 NE 76th St., Vancouver WA, 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~All Season Plants~~	~~7920 NE 6th Ave., Vancouver WA, 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Macnro Mortgage~~	~~12009 NE 99th St., STE 1470, Vancouver, WA 98682~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Hidden Gem Nails~~	~~11701 NE 95th St., Vancouver WA, 98682~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Glow Nails~~	~~1218 NE 88th St., Vancouver WA, 98685~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~Centerline Driving School~~	~~9317 NE Hwy 99 Ste., J, Vancouver, WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~School of Music Art~~	~~9317 NE Hwy 99 , Vancouver, WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~

FORM 5

CLARK REGIONAL WASTEWATER DISTRICT
INDUSTRIAL SURVEY

Name of Industrial User	Address	Pollutant Permit/Limits	Originating Jurisdiction	Comments
NON-SIGNIFICANT INDUSTRIAL USERS				
~~Lapel Solutions International~~	~~11304 Ste., 102 NE 66th St., Vancouver WA 98662~~	~~NSIU~~	~~District~~	~~Domestic only~~
~~American Asian Therapeutic Massage Clinic~~	~~9317 NE Highway 99 Ste. C, Vancouver, WA 98665~~	~~NSIU~~	~~District~~	~~Domestic only~~

FORM 5

CLARK REGIONAL WASTEWATER DISTRICT
INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Originating Jurisdiction	Comments
FATS, OILS AND GREASE PROGRAM					
Blazin Pizza	9904 NE Hwy 99 Vancouver, WA 98665		~~NSIU~~	~~District~~	~~Add to FOG Program~~
~~Chucks Produce & Street Market~~	~~2302 NE 117th St. Vancouver WA 98686~~		~~NSIU~~	~~District~~	~~Add to FOG Program~~
~~Chabad Jewish Center~~	~~9604 NE 126th Ave., Vancouver WA 98662~~		~~NSIU~~	~~District~~	~~Add to FOG Program~~
~~The Zoo Bar and Grill~~			~~NSIU~~	~~District~~	~~Add to FOG Program~~
~~Yummy Mongolian BBQ~~	~~8513 NE Hwy 99E, Vancouver WA 98665~~		~~NSIU~~	~~District~~	~~Add to FOG Program~~

FORM 5

CLARK REGIONAL WASTEWATER DISTRICT
INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Originating Jurisdiction	Comments
MEDICAL FACILITIES					
~~Mt. View Veterinary Hospital~~	~~13914 NE 16th Ave., Vancouver WA 98685~~		~~NSIU~~	~~District~~	~~Domestic only~~
~~Gentle Dental~~	~~11504 NE 119th St., Vancouver WA 98662~~		~~NSIU~~	~~District~~	~~Domestic only~~
~~Green Awning LLC~~	13910 NE 10th Ave, Ste 200, Vancouver WA 98685		~~NSIU~~	~~District~~	~~Domestic only~~
~~Honey Bee Eye Care~~	~~9317 NE Hwy 99, Ste., D & E, Vancouver, WA 98665~~		~~NSIU~~	~~District~~	~~Domestic only~~

FORM 5

BATTLE GROUND INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Permit #	Originating Jurisdiction	Comments
CITY OF BATTLE GROUND SIGNIFICANT INDUSTRIAL USERS						
Oldcastle Building Envelope	1611 SE Commerce Ave. Battle Ground, WA 98604	SIU	Local Limits	ST 6203	Ecology/District	Discharging under State Waste Discharge Permit No. 6203, issued 10/26/12, with effective date of 12/1/12, expiration date of 11/30/17.

FORM 5

BATTLE GROUND INDUSTIAL SURVEY

Name of Industrial User	Address	Pollutant Permit/Limits	Originating Jurisdiction	Comments
CITY OF BATTLE GROUND NON-SIGNIFICANT INDUSTRIAL USERS				
~~Century link~~	~~11 NE 2nd Ave., Battle Ground WA, 98604~~	~~NSIU~~	~~Battle Ground~~	~~Domestic only~~
~~Purple Pear Body Therapy~~	~~113 S. Parkway, Battle Ground WA, 98604~~	~~NSIU~~	~~Battle Ground~~	~~Domestic only~~

FORM 5

BATTLE GROUND INDUSTIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Originating Jurisdiction	Comments
CITY OF BATTLE GROUND FATS, OILS AND GREASE PROGRAM					
~~Limeberry Yogurt~~	~~11 NW 12th Ave. (#111), Battle Ground WA 98604~~	~~IIU~~	~~Local Limits~~	~~Battle Ground~~	~~Add to FOG Program~~
~~Yo Factory~~	~~909 W. Main St., Battle Ground WA 98604~~	~~IIU~~	~~Local Limits~~	~~Battle Ground~~	~~Add to FOG Program~~

FORM 5

BATTLE GROUND INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Originating Jurisdiction	Comments
CITY OF BATTLE GROUND MEDICAL FACILITIES					

FORM 5

CITY OF RIDGEFIELD
INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Originating Jurisdiction	Comments
CITY OF RIDGEFIELD SIGNIFICANT INDUSTRIAL USERS					

FORM 5

CITY OF RIDGEFIELD
INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Originating Jurisdiction	Comments
CITY OF RIDGEFIELD NON-SIGNIFICANT INDUSTRIAL USERS					

FORM 5

CITY OF RIDGEFIELD
INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Originating Jurisdiction	Comments
CITY OF RIDGEFIELD FATS OILS AND GREASE PROGRAM					

FORM 5

CITY OF RIDGEFIELD
INDUSTRIAL SURVEY

Name of Industrial User	Address	Cat	Pollutant Permit/Limits	Originating Jurisdiction	Comments
CITY OF RIDGEFIELD MEDICAL FACILITIES					

FORM 6

SIU COMPLIANCE SUMMARIES

Waste Connections						LOD issued for characterization of waste stream. Sampling only		
MIU Letter of Discharge (LOD) 3-2010 expires 3/31/2015								
9411 NE 94th Ave., Vancouver, WA 98662			Sample Date:	N/A	4/20/2012	6/12/2012	9/6/2012	12/27/2012
Monitored Quarterly			Sampled By:	Self	Self	Self	Self	Self
PARAMETER NAME	Self-Monitoring Sampling Frequency	UNITS	LIMITS			Resample		
pH	Quarterly	SU	6.0-9.0		*9.12	7.0	6.85	7.35
Purgable Organic Compounds by EPA 624								
Acrolein	Annual	ug/L	Report					<5.00
Acrylonitrile	Annual	ug/L	Report					<1.00
Benzene	Annual	ug/L	Report					<0.125
Bromoform	Annual	ug/L	Report					<0.500
Dichlorobromomethane	Annual	ug/L	Report					<0.250
Carbon tetrachloride	Annual	ug/L	Report					<0.250
Chlorobenzene	Annual	ug/L	Report					<0.250
2-Chloroethylvinyl ether	Annual	ug/L	Report					<5.00
Chloromethane	Annual	ug/L	Report					<2.50
Chlorethane	Annual	ug/L	Report					<5.00
Chloroform	Annual	ug/L	Report					<0.500
dibromchloromethane	Annual	ug/L	Report					<0.500
1,1-Dichloroethane	Annual	ug/L	Report					<0.250
1,2-Dichloroethane	Annual	ug/L	Report					<0.250
1,1-Dichloroethylene	Annual	ug/L	Report					<0.250
1,2-Dichloropropane	Annual	ug/L	Report					<0.250
1,3-Dichloropropylene	Annual	ug/L	Report					<0.500
trans-1,3-Dichloropropene	Annual	ug/L	Report					<0.0250
Ethylbenzene	Annual	ug/L	Report					<0.250
Bromomethane/methyl Bron	Annual	ug/L	Report					<5.00
Methylene chloride	Annual	ug/L	Report					<2.50
1,1,2,2-Tetrachloroethane	Annual	ug/L	Report					<0.250
Tetrachloroethylene	Annual	ug/L	Report					<0.250
Toluene	Annual	ug/L	Report					<0.500
1,2-Trans-Dichloroethylene	Annual	ug/L	Report					<0.250

FORM 6

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Monitored Quarterly			Sampled By:	Self	Self	Self	Self	Self
PARAMETER NAME	Self-Monitoring Sampling Frequency	UNITS	LIMITS			Resample		
1,1,1-Trichloroethane	Annual	ug/L	Report					<0.250
1,1,2-Trichloroethane	Annual	ug/L	Report					<0.250
Trichloroetheylene	Annual	ug/L	Report					<0.250
Vinyl Chloride	Annual	ug/L	Report					<0.250
Styrene	Annual	ug/L	Report					<0.500
Acetone	Annual	ug/L	Report					<10.0
Semivolatile Organic Compounds by EPA 625								
Acenaphthene'	Annual	ug/L	Report					<2.34
Acenaphthylene'	Annual	ug/L	Report					<2.34
Anthracene'	Annual	ug/L	Report					<2.34
Benzidine'	Annual	ug/L	Report					<46.7
Benzo (a) Anthracene'	Annual	ug/L	Report					<2.34
Benzo (a) Pyrene'	Annual	ug/L	Report					<2.34
Benzo (b) fluroanthene'	Annual	ug/L	Report					<2.34
Benzo (k) fluoranthene'	Annual	ug/L	Report					>2.34
Benzo (b+k)fluoranthene(s)	Annual	ug/L	Report					<4.67
Benzo (ghi) perylene'	Annual	ug/L	Report					<2.34
Bis(2-chloroethoxy) methane	Annual	ug/L	Report					<23.4
Bis (2-chloroethyl)ether'	Annual	ug/L	Report					<23.4
Bis(2-chloroisopropyl)ether'	Annual	ug/L	Report					<23.4
bis (2-ethylhexyl)phtahalate'	Annual	ug/L	Report					<23.4
4-Bromophenyl phenyl ether	Annual	ug/L	Report					<23.4
Butyl benzyl phthalate'	Annual	ug/L	Report					<23.4
2-Chloronaphthalene'	Annual	ug/L	Report					<23.4
4-Chlorophenyl phenyl ether	Annual	ug/L	Report					<23.4
Chrysene'	Annual	ug/L	Report					<2.34
Dibenzo (a,h) anthracene'	Annual	ug/L	Report					<2.34

FORM 6

SIU COMPLIANCE SUMMARIES

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Monitored Quarterly			Sampled By:	Self	Self	Self	Self	Self
PARAMETER NAME	Self-Monitoring Sampling Frequency	UNITS	LIMITS			Resample		
1,2-Dichlorobenzene	Annual	ug/L	Report					<23.4
1,3-Dichlorobenzene	Annual	ug/L	Report					<23.4
1,4-Dichlorobenzene	Annual	ug/L	Report					<23.4
3,3'-Dichlorobenzidine'	Annual	ug/L	Report					<23.4
Diethyl phthalate'	Annual	ug/L	Report					<23.4
Dimethyl phthalate'	Annual	ug/L	Report					<23.4
Di-n-butyl phtalate'	Annual	ug/L	Report					24.8
2,4-Dinitrotoluene'	Annual	ug/L	Report					<23.4
2,6-Dinitrotoluene'	Annual	ug/L	Report					<23.4
Di-n-octyl phthalate'	Annual	ug/L	Report					<23.4
1,2 Diphenylhydrazine (as A	Annual	ug/L	Report					<23.4
Flouranthene'	Annual	ug/L	Report					<2.34
Fluorene'	Annual	ug/L	Report					<23.4
Hexachlorobenzene'	Annual	ug/L	Report					<23.4
Hexachlorobutadiene'	Annual	ug/L	Report					<23.4
Hexachlorocyclopentadie	Annual	ug/L	Report					<23.4
Hexachloroethane'	Annual	ug/L	Report					<23.4
Indeno (1,2,3-cd) Pyrene'	Annual	ug/L	Report					<2.34
Isophorone'	Annual	ug/L	Report					<23.4
3-Methyl Cholanthrene	Annual	ug/L	Report					<23.4
Napthalene'	Annual	ug/L	Report					<2.34
Nitrobenzene'	Annual	ug/L	Report					<23.4
N-Nitrosodimethylamine'	Annual	ug/L	Report					<23.4
N-Nitrosodi-n-Propylamin	Annual	ug/L	Report					<23.4
N-Nitrosodiphenylamine'	Annual	ug/L	Report					<23.4
Phenanthrene'	Annual	ug/L	Report					<2.34
Pyrene'	Annual	ug/L	Report					<2.34

FORM 6

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Monitored Quarterly			Sampled By:	Self	Self	Self	Self	Self
PARAMETER NAME	Self-Monitoring Sampling Frequency	UNITS	LIMITS			Resample		
1,2,4-Trichlorobenzene'	Annual	ug/L	Report					<23.4
2-chlorophenol	Annual	ug/L	Report					<23.4
2,4 Dichlorophenol	Annual	ug/L	Report					<23.4
2,4-Dimethylphenol	Annual	ug/L	Report					<23.4
4,6-dinitro-o-cresol	Annual	ug/L	Report					<23.4
2,4-Dinitrophenol	Annual	ug/L	Report					<23.4
2-Nitrophenol	Annual	ug/L	Report					<23.4
4-Nitrophenol	Annual	ug/L	Report					<23.4
Parachlormeta cresol	Annual	ug/L	Report					<23.4
Pentachlorophenol	Annual	ug/L	Report					<23.4
Phenol	Annual	ug/L	Report					<23.4
2,4,6-Trichlorophenol	Annual	ug/L	Report					<23.4
Chlorinated Pesticides and/or PCBs								
Aldrin	Annual	ug/L	Report					<0.050
alpha-BHC	Annual	ug/L	Report					<0.050
beta-BHC	Annual	ug/L	Report					<0.050
delta-BHC	Annual	ug/L	Report					<0.050
gamma-BHC (Lindane)	Annual	ug/L	Report					<0.050
Chlordane (tech)	Annual	ug/L	Report					<0.50
4,4'-DDD	Annual	ug/L	Report					<0.050
4,4'-DDE	Annual	ug/L	Report					<0.050
4,4'-DDT	Annual	ug/L	Report					<0.050
Dieldrin	Annual	ug/L	Report					<0.050
Endosulfan I	Annual	ug/L	Report					<0.050
Endosulfan II	Annual	ug/L	Report					<0.050
Endosulfan Sulfate	Annual	ug/L	Report					<0.050
Endrin	Annual	ug/L	Report					<0.050

FORM 6

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Monitored Quarterly			Sampled By:	Self	Self	Self	Self	Self
PARAMETER NAME	Self-Monitoring Sampling Frequency	UNITS	LIMITS			Resample		
Endrin Aldehyde	Annual	ug/L	Report					<0.050
Heptachlor	Annual	ug/L	Report					<0.050
Heptachlor Epoxide	Annual	ug/L	Report					<0.050
Methoxychlor	Annual	ug/L	Report					<0.050
Toxaphene	Annual	ug/L	Report					<2.0
Aroclor 1016	Annual	ug/L	Report					<1.0
Aroclor1221	Annual	ug/L	Report					<1.0
Aroclor 1232	Annual	ug/L	Report					<1.0
Aroclor 1242	Annual	ug/L	Report					<1.0
Aroclor 1248	Annual	ug/L	Report					<1.0
Aroclor 1254	Annual	ug/L	Report					<1.0
Aroclor 1260	Annual	ug/L	Report					<1.0
Metals								
Arsenic	Annual	ug/L	Report					3.71
Antimony	Annual	ug/L	Report					2.98
Beryllium	Annual	ug/L	Report					<0.500
Cadmium	Annual	ug/L	Report					0.844
Chromium	Annual	ug/L	Report					5.48
Copper	Annual	ug/L	Report					47.8
Lead	Annual	ug/L	Report					10.9
Mercury	Annual	ug/L	Report					0.71
Molybdenum	Annual	ug/L	Report					<2.00
Nickel	Annual	ug/L	Report					5.24
Selenium	Annual	ug/L	Report					<1.0
Silver	Annual	ug/L	Report					<0.200
thallium	Annual	ug/L	Report					<0.200
Zinc	Annual	ug/L	Report					249

FORM 6

SIU COMPLIANCE SUMMARIES

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Monitored Quarterly			Sampled By:	Self	Self	Self	Self	Self
PARAMETER NAME	Self-Monitoring Sampling Frequency	UNITS	LIMITS			Resample		
Conventional Pollutants								
BOD_5	Annual	mg/L	Report					12.9
TSS	Annual	mg/L	Report					178
CN	Annual	mg/L	Report					0.0066
Phenolics	Annual	mg/L	Report					0.096

FORM 7

ENFORCEMENT SUMMARY

Name of Industrial User	Violation			Enforcement		Resolution
	Type*	Description	Date	Action Taken	Date	Date
SIGNIFICANT INDUSTRIAL USERS**						
IMAT	3	Failed to monitor for pH	4/3/2012	Deferred to Ecology	5/15/2012	4/4/2012
IMAT	3	Failed to report Flow	4/3/2012	Deferred to Ecology	5/15/2012	4/4/2012
IMAT	3	Failed to monitor for Flouride	4/2012	Deferred to Ecology	5/15/2012	5/1/2012
IMAT	1	pH below limit	10/4/2012	Deferred to Ecology	11/15/2012	10/8/2012
Oldcastle Building Envelope	1	Exceeded TSS limit	2/15/2012	Deferred to Ecology	3/15/2012	3/14/2012
Oldcastle Building Envelope	1	Exceeded TSS limit	4/17/2012	Deferred to Ecology	5/15/2012	5/15/2012
nLight Photonics	1	pH above limit	9/15/2011	Deferred to Ecology	10/15/2012	9/17/2012

Name of Industrial User	Violation			Enforcement		Resolution
	Type*	Description	Date	Action Taken	Date	Date
MINOR INDUSTRIAL USERS						
Waste Connections	1	Exceeded pH limit	4/20/2012	Phone call	7/11/2012	6/12/2012
Waste Connections	2	Failed to submit report by deadline***	1/15/2013	Phone call	1/22/2012	1/29/2013

* Type of Violation: 1 - Exceeding discharge limits; 2 - Missing or late reporting; 3 - Other violations

** Partially delegated program - Ecology responsible for all SIU permit writing and enforcement actions

*** The Waste Connections contract laboratory was unable to provide the requested turn-around time for the samples resulting in Waste Connections' failing to submit a report on time

FORM 8

INDUSTRIAL MONITORING SCHEDULE

Name of Industrial User	Sampling by POTW (for all regulated pollutants) Frequency/Year		Permit Reporting Req'ts	Comparison Self/POTW Testing Y / N	POTW Inspection Frequency/Year		Comments
	2012	Will Perform 2013			2012	2013	
IMAT, Inc.	Twice	Twice	Quarterly	No	Once	Once	State Waste Discharge Permit No. ST 6162 issued 12/31/2008, effective 2/1/2009, modified 4/6/2009, 8/11/2009 and expiring 6/30/2013
nLight Photonics Corporation	Twice	Twice	Monthly	No	Once	Once	Discharging under reauthorized State Waste Discharge Permit No. ST 6025; issued 8/26/2008 with effective date of 10/1/2008 and expiration date of 6/30/2013
ProTech	Twice	Twice	Quarterly	No	Once	Once	Discharging under reauthorized State Waste Discharge Permit No. ST 6194, issued 8/26/2008 with effective date of 10/1/2008 and expiration date of 6/30/2013
Oldcastle Building Envelope	Twice	Twice	Monthly	No	Once	Once	Discharging under State Waste Discharge Permit No. 6203, issued 10/26/2012, with effective date of 12/1/2012, expiration date of 11/30/2017

FORM 8

SLUG CONTROL PLAN REVIEW

Permit No.	Industry Name	Last Reviewed	Update or Plan Needed?	Status	Scheduled for review 2013
ST 6162	IMAT	2012	No	In compliance	Yes
ST 6025	nLight Photonics Corp	2012	No	In compliance	Yes
ST 6194	Pro Tech	2012	No	In compliance	Yes
ST 6203	Oldcastle Building Envelope	2012	No	In compliance	Yes

FORM 9

PRETREATMENT PROGRAM MODIFICATIONS

Summary of modifications to the Pretreatment Program during 2012.

No modifications were made to the Clark Regional Wastewater District Pretreatment Program during 2012.

FORM 10

RESOURCE SUMMARY

ITEM	2011 COST	2012 Budget
Salaries	$ 74,816	$ 74,816
Benefits	$ 21,697	$ 21,697
Materials / Supplies	$ 5,956	$ 5,956
Overhead	$ 13,274	$ 13,274
TOTALS	**$ 115,742**	**$ 115,742**

ITEM	2012 COST	2013 Budget
Salaries	$ 76,863	$ 77,244
Benefits	$ 22,432	$ 22,395
Materials / Supplies	$ 7,027	$ 9,923
Overhead	$ 13,630	$ 16,434
TOTALS	**$ 119,951**	**$ 125,996**

Pretreatment Employee Hours

ITEM	2012 Actual	Planned 2013 *
CRWWD Administration	564	1,100.00
CRWWD Inspection	701	300.00
Battle Ground Administration	-	50.00
Battle Ground Inspection	46	100.00
Ridgefield Administration	-	50.00
Ridgefield Inspection	-	50.00
Salmon Creek Gen Admin	141	200.00
Salmon Creek SIU's	257	250.00
TOTALS	**1,709**	**2,100**

Pretreatment Equipment Inventory

Oakton pH Meter
Sigma 900 Portable Sampler w/Accessories
Two Sigma 950 Area Velocity Flow Meters
1999 Chevrolet Astro Van
American Sigma Composite Sampler
Three Odaloggers