



**DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION**

1600 – 13th Avenue South
Kelso, WA 98626
TEL (360) 577-3030
FAX (360) 636-0845
Washington Relay Service 711 or (888) 833-8633

www.co.cowlitz.wa.us/publicworks/

Board of County Commissioners
Michael A. Karnofski District 1
Dennis P. Weber District 2
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December 22, 2014

RECEIVED

DEC 29 2014

WA State Department
of Ecology (SWRO)

Don Reif
Water Quality Program
Washington State Department of Ecology
Southwest Regional Office
P.O. Box 47775
Olympia, WA 98504-7775

SUBJECT: Submittal of Renewal Application for State Waste Discharge Permit No. ST 6074

Dear Mr. Reif:

Enclosed please find the completed renewal application for the above referenced discharge permit for the Cowlitz County Tennant Way Landfill.

As noted in the application the landfill underwent closure during 2014. Last waste loads were received at the facility on March 12, 2014. Closure construction took place during the 2014 construction season and substantial completion of the closure project was achieved in mid November 2014. As noted in the application the generation of leachate should begin a steady decline of 50% per year now that the final cap has been installed.

I believe the application to be complete, but should you need clarification or require additional information, please contact me at (360) 274-6492 or you can reach me by email at olsond@co.cowlitz.wa.us. I look forward to your favorable review.

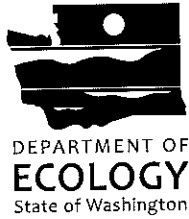
Sincerely,

DON OLSON
Solid Waste Manager

DO:af

Enclosure

cc: Duane Leaf, Plant Superintendent, Three Rivers Regional Wastewater Treatment Plant
Ron Junker, Director, Cowlitz County Department of Public Works



Application for a State Waste Discharge Permit to Discharge Industrial Wastewater to a Publicly-Owned Treatment Works (POTW)

RECEIVED

This application is for a state waste discharge permit for a discharge of industrial wastewater to a publicly-owned treatment works (POTW) as required by Chapter 90.48 RCW and Chapter 173-206C 292014 WAC. It is designed to provide Ecology with information on pollutants in the waste stream, materials that may enter the waste stream, and the flow characteristics of the discharge. WA State Department of Ecology (SWRO)

Ecology may request additional information to clarify the conditions of this discharge. The applicant should reference information previously submitted to Ecology that applies to this application in the appropriate section.

SECTION A. GENERAL INFORMATION

1. Applicant Name: Cowlitz County Department of Public Works
2. Facility Name: Cowlitz County Tennant Way Landfill
(if different from Applicant)
3. Applicant Mail Address: 1600 13th Ave S.
Street
Kelso, WA City/State 98626 Zip
4. Facility Location Address: 85 Tennant Way
(if different from 3 above) Street
Longview, WA City/State 98632 Zip
5. UBI No. 083-03-788
Sometimes called a registration, tax, "C," or resale number, the Unified Business Identifier (UBI) number is a nine-digit number used to identify persons engaging in business activities. The number is assigned when a person completes a Master Business Application to register with or obtain a license from state agencies. The Departments of Revenue, Licensing, Employment Security, Labor and Industries, and the Corporations Division of the Secretary of State are among the state agencies participating in the UBI program.
6. Latitude/longitude of the facility as decimal degrees (NAD83/WGS84):
46° 06'31.10"N / 122° 54'37.27"W

FOR OFFICE USE ONLY		Check One: New/Renewal <input type="checkbox"/> Modification <input type="checkbox"/>	
Date Application Received _____	Date Fee Paid _____	Application/ Permit No. _____	Date Application Accepted _____

7. Person to contact who is familiar with the information contained in this application:

Don Olson
Name

Solid Waste Manager
Title

(360) 274-6492
Telephone number

360-636-0845
Fax number

8. Check One:



Permit Renewal (including renewal of temporary permits)

Does this application request a greater amount of wastewater discharge, a greater amount of pollutant discharge, or a discharge of different pollutants than specified in the last permit application for this facility? ☐ YES ☒ NO

For permit renewals, the current permit is an attachment, by reference, to this application.



Permit Modification



Existing Unpermitted Discharge



Proposed Discharge

Anticipated date of discharge: _____

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 submitted 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 a fine and/or imprisonment for knowing violations.

Don Olson
Signature*

12/10/2014
Date

Solid Waste Manager
Title

Don Olson
Printed Name

*Applications must be signed as follows: corporations, by a principal executive officer of at least the level of vice-president; partnership, by a general partner; sole proprietorship, by the proprietor. If these titles do not apply to your organization, the person who makes budget decisions for this facility must sign the application.

The application signatory may delegate signature authority for submittals required by the permit, such as monthly reports, to a suitable employee. You can delegate this authority to a qualified individual or to a position, which you expect to fill with a qualified individual. If you wish to delegate signature authority, please complete the following:

Signature of delegated employee

Date

Title or function at the facility

Printed name

SECTION B. PRODUCT INFORMATION

- Briefly describe all manufacturing processes and products, and/or commercial activities, at this facility. Provide the applicable Standard Industrial Category (SIC) and the North American Industry Classification System (NAICS) Code(s) for each activity (see *North American Industrial Classification System*, 2007 ed.). You can find the 1997 NAICS codes and the corresponding 1987 Standard Industry Category (SIC) codes at (<http://www.census.gov/ipeds/naics/frames3.htm>).

Description: Municipal Solid Waste (MSW) Landfill which is closed. Facility operated as a MSW facility under WAC 173-304 and WAC 173-351 during years of operation (1975 to April 2014). Northern portion of the facility (37 acres) closed in 1993 under WAC 173-304 standard. This portion of the facility is known as Site A. Southern portion of the facility (40 acres) closed in 2014 under WAC 173-351 standards. The southern portion of the facility is known as Site B. Landfill is currently in post closure care and monitoring and no longer an active facility.

As in-place waste actively decays, it generates carbon dioxide, methane and water or "leachate"-effluent. Effluent that is generated in Site B is collected above the liners and pumped directly to the Three Rivers Waste Water Treatment Plant (POTW) via a dedicated 8" HDPE force main. Site A is capped and closed and a perimeter french drain intercepts leachate and seasonal shallow groundwater which is pumped to the POTW in the same force main. The facility generated 17.3 million gallons of leachate in 2013. Leachate volume is recorded with flow meter at the headworks of the POTW. Leachate is projected to decrease production by 50% per year during post closure monitoring period. A street sweeping facility with detention bays for placement of catch basin solids by vector truck is planned for construction under the existing metal building. 60,000 gallons per year of decant is anticipated to be generated.

- List raw materials and products used at his facility:

Type	RAW MATERIALS	Quantity
<i>Grapes (Example)</i>		<i>1,000 tons per year</i>
Municipal solid waste placed from 1975 to 2014.	Site B 2,023,032 tons placed from 1992 to 2013; Site A 940,209 tons placed from 1975 to 1991.	
Municipal catch basin solids	100 loads per year / 300 cy per year.	
Type	PRODUCTS	Quantity
<i>Grape Juice (Example)</i>		<i>300,000 gallons per year</i>
Landfill Gas	167 mcf of natural gas in 2013 (688K therms)	
Leachate	17.3M gallons in 2013.	

SECTION C. PLANT OPERATIONAL CHARACTERISTICS

1. For each process listed in B.1. that generates wastewater, list the process, assign the waste stream a name and an ID # and describe whether it is a batch or continuous flow.

Process	Waste Stream Name	Waste Stream ID#	Batch (B) or Continuous (C) Process
Landfill Site A- Closed	Capped landfill	#1	C
Landfill Site B - Closed	Capped landfill	#2	C
Vactor Facility	Street Sweeping/Vactor Facility	#3	B

2. On a separate sheet, produce a schematic drawing showing production processes, water flow through the facility, wastewater treatment devices and waste streams as named above. The drawing should indicate the source of intake water and show the operations contributing wastewater to the effluent. The treatment units should be labeled. Construct a water balance by showing average flows between intakes, operations, treatment units, and points of discharge to the POTW. (See the example on page 16 of this application form.)

3. What is the maximum daily wastewater discharge flow? 165,000 gallons/day

What is the maximum average monthly wastewater discharge flow (daily flows averaged over a month)? 50,000 gallons/day

4. Describe any planned wastewater treatment improvements or changes in wastewater disposal methods, and the schedule for these improvements. (Use additional sheets, if necessary and label as attachment C4.)

Landfill capped and closed in October 2014. Site B flow should be under 5.2M gallons in 2015 and production should reduce by 50% annually thereafter. Site A capped landfill projected to produce 5.5M gallons in 2015. This site pumps mostly shallow groundwater during seasonal high ground water periods. Site has been closed for 21 years and should reach stabalization within the next 5 years. Pumping of shallow groundwater may cease during the next 5 year period. Anticipate construciton in 2015 of a street sweeping/vactor decant facility under the existing 120 ft x 130 ft metal building located on the property. Project 100 loads of annual municipal vactor truck solids will generate 60,000 gallons annually of liquid being decanted and collected for transmission in the existing dedicated leachate transmission system.

5. If production processes are subject to seasonal variations, provide the following information. The combined value for each month should equal the estimated total monthly flow. Please indicate the proper flow unit by checking one of the following boxes:

☒ gallons per day

☐ gallons per month

☐ million gallons per month

Waste Stream ID#	MONTHS											
	J	F	M	A	M	J	J	A	S	O	N	D
#1	32700	15600	14300	17500	16300	13800	4000	1500	6700	16800	18700	22400
#2	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000
#3	165	165	165	165	165	165	165	165	165	165	165	165
Estimated Total Monthly Flow (GPD)	46865	29765	28465	31665	30465	27965	18165	15665	20865	30965	32865	36565

6. How many hours a day does this facility typically operate? 2

How many days a week does this facility typically operate? 5

How many weeks per year does this facility typically operate? 52

7. List all incidental materials, such as oil, paint, grease, solvents, and cleaners, that are used or stored on site (*list only those with quantities greater than 10 gallons for liquids and 50 pounds for solids*). For solvents and solvent-based cleaners, include a copy of the material safety data sheet and estimate the quantity used. (*Use additional sheets, if necessary, and label as attachment C.7.*)

Materials/Quantity Stored: No quantities over 10 gallons stored on-site.

- | 8. | Some types of facilities are required to have spill or waste control plans. Does this facility have: | Yes | No |
|----|--|-------------------------------------|-------------------------------------|
| a. | A spill prevention, control, and countermeasure plan (40 CFR 112)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. | An Oil Spill Contingency Plan (chapter 173-182 WAC)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. | An emergency response plan (per WAC 173-303-350)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. | A runoff, spillage, or leak control plan (per WAC 173-216-110(f))? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. | Any spill or pollution prevention plan required by local, state or federal authorities? If yes specify: <u>Stormwater Permit WAR000754</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. | A solid waste control plan? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. | A Slug Discharge Control Plan (40 CFR 403.8(f)(2)(v))? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

SECTION D. WATER CONSUMPTION AND WATER LOSS

1. Potable water source(s):

☒ ☐ Public System (Specify) City of Longview

☐ ☐ Private Well

☐ ☐ Surface Water

a. Water Right Permit Number: _____

b. Legal Description of Water Source

_____ $\frac{1}{4}$ S, _____ $\frac{1}{4}$ E, _____, Section, _____ TWN, _____ R

2. Potable water use

a. Indicate total water use _____

Gallons per day (average) 115

Gallons per day (maximum) 300

b. Is water metered?

☒ YES ☐ NO

SECTION E. WASTEWATER INFORMATION

1. How are the water intake and effluent flows measured?

Intake: water meter measures half of the annual 60,000 gallons of flow from street sweeping facility

Effluent measure by dedicated flow meter at the headworks of the POTW; meter maintained by POTW.

2. Describe the collection method for the samples analyzed below. (*i.e.*, grab, 24-hour composite). Applicants must collect grab samples (not composites) for analysis of pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, fecal coliform (including *E. coli*), and Enterococci (previously known as fecal streptococcus at § 122.26 (d)(2)(iii)(A)(3)), or volatile organics.

Grab samples of pH, cyanide, phenols, oil and grease and annual VOC's. 24 hour composite collected via automated sampler for all other parameters tested. Samples collected from Site B pump station.

3. Has the effluent been analyzed for any other parameters than those identified in question E.4.? ☒ YES ☐ NO
If yes, attach results and label as attachment E.4. This data must clearly show the date, method and location of sampling. (*Note: Ecology may require additional testing.*)

4. Provide measurements or range of measurements for treated wastewater prior to discharge to the POTW for the parameters with an "X" in the left column. If you obtain the application from the internet, contact Ecology's regional office to see if testing for a subset of these parameters is permissible. All analyses (except pH) must be conducted by a laboratory registered or accredited by Ecology (WAC 173-216-125). If this is an application for permit renewal, provide data for the last year for those parameters that are routinely measured. For parameters measured only for this application, place the values under "Maximum." Report the values with units as specified in the parameter name or in the detection level.

The Permittee must use the specified analytical methods, detection limits (DLs) and quantitation levels (QLs) in the following table unless Ecology approves an alternate method or the method used produces measurable results in the sample and EPA has listed it as an EPA approved method in 40 CFR Part 136. If the Permittee uses an alternative method as allowed above, it must report the test method, DL, and QL on the discharge monitoring report or in the required report.

X	Parameter	Measurement Values			Number of Analyses	Analytical Method Std. Methods 19 th 20 th edition or EPA	Detection Limit/Quantitation Level
		Minimum	Maximum	Average			
	BOD (5 day)	47	172	98	12	SM 5210 B	/2 mg/l
	COD	135	1870	953	43	SM 5220 D	/10 mg/l
	Total suspended solids	14	171	61	12	SM 2540 D	/5 mg/l
	Fixed Dissolved Solids					SM 2540 E	
	Total dissolved solids	1830	5480	3485	12	SM 2540 C	
	Conductivity (micromhos/cm)					SM 2510 B	
	Ammonia-N as N	63	888	351	50	SM 4500-NH ₃ C	/0.3 mg/L
	pH	7.11	7.69	7.36	12	SM 4500-H	0.1 standard units
	Fecal coliform (organisms/100 mL)					SM 9221 E or 9222 D	
	Total coliform (organisms/100 mL)	220	2420	1621	36	SM 9221 B or 9222 B	
	Dissolved oxygen					SM 4500-O C/G	
	Nitrate + nitrite-N as N					SM 4500-NO ₃ E	100 µg/L
	Total kjeldahl N as N					SM 4500-N _{org} C/E/FG	300 µg/l
	Ortho-phosphate-P as P					SM 4500-P E/F	10 µg/l
	Total-phosphorous-P as P					SM 4500-P E/P/F	10 µg/l
	Total Oil & grease	3.3	8.2	6.1	12	EPA 1664A	1.4/5 mg/l
	NWTPH - Dx					Ecology NWTPH Dx	250/250 µg/l
	NWTPH - Gx					Ecology NWTPH Gx	250/250 µg/l
	Calcium					EPA 200.7	10 µg/l
	Chloride	113	1390	685	49	SM 4500-Cl C	0.15 µg/l
	Fluoride					SM 4500-F E	.025/0.1 mg/l
	Magnesium					EPA 200.7	10/50 µg/l
	Potassium					EPA 200.7	700/ µg/l

X	Parameter	Measurement Values			Number of Analyses	Analytical Method Std. Methods 19 th , 20 th edition or EPA	Detection Limit/Quantitation Level
		Minimum	Maximum	Average			
	Sodium					EPA 200.7	29/ µg/l
	Sulfate	23	329	119	44	SM 4500-SO ₄ C/D	7200 µg/l
	Arsenic(total)	1.98	7.93	3.41	12	EPA 200.8	0.1/0.5 µg/l
	Barium (total)	.0283	.0505	.0375	12	EPA 200.8	0.5/2 µg/l
	Cadmium (total)	.000059	.00024	.00011	12	EPA 200.8	.05/25 µg/l
	Chromium (total)	.00391	.00587	.01100	12	EPA 200.8	0.2/1 µg/l
	Copper (total)	.00126	.0055	.002215	12	EPA 200.8	0.4/2 µg/l
	Lead (total)	.0457	.0846	.0641	12	EPA 200.8	0.1/5 µg/l
	Mercury (total) pg/L	.001	.023	.0117	4	EPA 1631E	0.2/0.5 pg/l
	Molybdenum(total)	.0034	.011	.00636	10	EPA 200.8	0.1/0.5 µg/l
	Nickel(total)	.00005	.00013	.000096	12	EPA 200.8	0.1/0.5 µg/l
	Selenium (total)	.001	.00715	.00529	12	EPA 200.8	1/1 µg/l
	Silver (total)	.0000146	.00481	.00062	12	EPA 200.8	.04/2 µg/l
	Zinc (total)	.0215	.346	.06099	12	EPA 200.8	0.5/2.5 µg/l

6. Does this facility use any of the following chemicals as raw materials or produce them as part of the manufacturing process, or are they present in the wastewater? ☐ YES ☒ NO

(The number in the column next to the chemical name is the Chemical Abstract Service (CAS) reference number to aid in identifying the compound.)

If yes, specify how the chemical is used and the quantity used or produced:

METALS, CYANIDE & TOTAL PHENOLS			
Antimony, Total	7440-36-0	Nickel, Total	7440-02-0
Arsenic, Total	7440-38-2	Selenium, Total	7782-49-2
Beryllium, Total	7440-41-7	Silver, Total	7440-22-4
Cadmium, Total	7440-43-9	Thallium, Total	7440-28-0
Chromium (hex) dissolved	18540-29-9	Zinc, Total	7440-66-6
Chromium, Total	7440-47-3		
Copper, Total	7440-50-8	Cyanide, Total	57-12-5
Lead, Total	7439-92-1	Cyanide, Weak Acid Dissociable	
Mercury, Total	7439-97-6	Phenols, Total	

PESTICIDES			
Aldrin	309-00-2	Endrin	72-20-8
alpha-BHC	319-84-6	Endrin Aldehyde	7421-93-4
beta-BHC	319-85-7	Heptachlor	76-44-8
gamma-BHC	58-89-9	Heptachlor Epoxide	1024-57-3
delta-BHC	319-86-8	PCB-1242	53469-21-9
Chlordane	57-74-9	PCB-1254	11097-69-1
4,4'-DDT	50-29-3	PCB-1221	11104-28-2
4,4'-DDE	72-55-9	PCB-1232	11141-16-5
4,4' DDD	72-54-8	PCB-1248	12672-29-6
Dieldrin	60-57-1	PCB-1260	11096-82-5
alpha-Endosulfan	959-98-8	PCB-1016	12674-11-2
beta-Endosulfan	33213-65-9	Toxaphene	8001-35-2
Endosulfan Sulfate	1031-07-8		

VOLATILE COMPOUNDS			
Acrolein	107-02-8		
Acrylonitrile	107-13-1	1,1-Dichloroethylene	75-35-4
Benzene	71-43-2	1,2-Dichloropropane	78-87-5
Bromoform	75-25-2	1,3-dichloropropene (mixed isomers) (1,2-dichloropropylene)	542-75-6
Carbon tetrachloride	56-23-5	Ethylbenzene	100-41-4
Chlorobenzene	108-90-7	Methyl bromide (Bromomethane)	74-83-9
Chloroethane	75-00-3	Methyl chloride (Chloromethane)	74-87-3
2-Chloroethylvinyl Ether	110-75-8	Methylene chloride	75-09-2
Chloroform	67-66-3	1,1,2,2-Tetrachloroethane	79-34-5
Dibromochloromethane	124-48-1	Tetrachloroethylene	127-18-4
1,2-Dichlorobenzene	95-50-1	Toluene (108-88-3)	
1,3-Dichlorobenzene	(541-73-1)	1,2-Trans-Dichloroethylene (Ethylene dichloride)	156-60-5
1,4-Dichlorobenzene	106-46-7	1,1,1-Trichloroethane	71-55-6
Dichlorobromomethane	75-27-4	1,1,2-Trichloroethane	79-00-5
1,1-Dichloroethane	75-34-3	Trichloroethylene	79-01-6
1,2-Dichloroethane	107-06-2	Vinyl chloride	75-01-4

ACID COMPOUNDS			
2-Chlorophenol	95-57-8	4-nitrophenol	100-02-7
2,4-Dichlorophenol	120-83-2	Parachlorometa cresol (4-chloro-3-methylphenol)	59-50-7
2,4-Dimethylphenol	105-67-9	Pentachlorophenol	87-86-5
4,6-dinitro-o-cresol (2-methyl-4,6,-dinitrophenol)	534-52-1	Phenol	108-95-2
2,4 dinitrophenol	51-28-5	2,4,6-Trichlorophenol	88-06-2
2-Nitrophenol	88-75-5		

BASE/NEUTRAL COMPOUNDS (compounds in bold are Ecology PBTs)			
Acenaphthene	83-32-9	3,3-Dichlorobenzidine	91-94-1
Acenaphthylene	208-96-8	Diethyl phthalate	84-66-2
Anthracene	120-12-7	Dimethyl phthalate	131-11-3
Benzidine	92-87-5	Di-n-butyl phthalate)	84-74-2
Benzyl butyl phthalate	85-68-7	2,4-dinitrotoluene	121-14-2
Benzo(a)anthracene	56-55-3	2,6-dinitrotoluene	606-20-2
Benzo(b)fluoranthene (3,4-benzofluoranthene)	205-99-2	Di-n-octyl phthalate	117-84-0
Benzo(j)fluoranthene	205-82-3	1,2-Diphenylhydrazine (as <i>Azobenzene</i>)	122-66-7
Benzo(k)fluoranthene (11,12-benzofluoranthene)	207-08-9	Fluoranthene	206-44-0
Benzo(r,s,t)pentaphene	189-55-9	Fluorene	86-73-7
Benzo(a)pyrene	50-32-8	Hexachlorobenzene	118-74-1
Benzo(ghi)Perylene	191-24-2	Hexachlorobutadiene	87-68-3
Bis(2-chloroethoxy)methane	111-91-1	Hexachlorocyclopentadiene	77-47-4
Bis(2-chloroethyl)ether	111-44-4	Hexachloroethane	67-72-1
Bis(2-chloroisopropyl)ether	39638-32-9	Indeno(1,2,3-cd)Pyrene	193-39-5
Bis(2-ethylhexyl)phthalate	117-81-7	Isophorone	78-59-1
4-Bromophenyl phenyl ether	101-55-3	3-Methyl cholanthrene	56-49-5
2-Chloronaphthalene	91-58-7	Naphthalene	91-20-3
4-Chlorophenyl phenyl ether	7005-72-3	Nitrobenzene	98-95-3
Chrysene	218-01-9	N-Nitrosodimethylamine	62-75-9
Dibenzo (a,j)acridine	224-42-0	N-Nitrosodi-n-propylamine	621-64-7
Dibenzo (a,h)acridine	226-36-8	N-Nitrosodiphenylamine	86-30-6
Dibenzo(a-h)anthracene (1,2,5,6-dibenzanthracene)	53-70-3	Perylene	198-55-0
Dibenzo(a,e)pyrene	192-65-4	Phenanthrene	85-01-8
Dibenzo(a,h)pyrene	189-64-0	Pyrene	129-00-0
		1,2,4-Trichlorobenzene	120-82-1

7. Are any other pesticides, herbicides or fungicides used at this facility? ☐ YES ☒ NO

If yes, specify the material and quantity used:

8. Are there other pollutants that you know of or believe to be present? ☐ YES ☒ NO

If yes, specify the pollutants and their concentration if known
(attach laboratory analyses if available as Attachment E8):

9. Is the wastewater being discharged, or proposed for discharge, to the POTW designated as a dangerous waste according to the procedures in Chapter 173-303 WAC?

☐ YES ☒ NO ☐ DON'T KNOW

10. If the answer to question 9 above is yes, how did the waste designate as a dangerous waste (check appropriate box)?

For Listed and TCLP Characteristic Wastes only, also provide the Dangerous Waste Number(s).

Listed Waste ☐ Dangerous Waste Number(s) _____

Characteristic Wastes Dangerous Waste Number(s) _____

Ignitable ☐

Reactive ☐

Corrosive ☐

TCLP ☐

State Only Dangerous Wastes Dangerous Waste Number(s) _____

Toxicity ☐

Persistent ☐

For questions about waste designation under the *Dangerous Waste Regulations*, Chapter 173-303 WAC, contact Ecology's Hazardous Waste and Toxics Program at:

Northwest Regional Office - Bellevue	(425) 649-7000
Southwest Regional Office - Lacey	(360) 407-6300
Central Regional Office - Yakima	(509) 575-2490
Eastern Regional Office - Spokane	(509) 329-3400

SECTION F. SEWER INFORMATION

1. Is an inspection and sampling manhole or similar structure available on-site? ☒ YES ☐ NO
*If yes, attach a map or hand drawing of the facility that shows the location of these structures
(Label as attachment F1 or this may be combined with map in H8, if H8 is applicable to your
facility.)*

SECTION G. OTHER PERMITS

1. List all environmental control permits or approvals needed for this facility; for example, air emission permits.

Solid Waste Handling Permit / Local Health Dept

Stormwater Permit / Ecology

Air Order of Approval Permit / Southwest Clean Air Agency

SECTION H. STORMWATER

1. Do you have coverage under the Washington State Industrial Stormwater NPDES General Permit? ☒ YES ☐ NO

If yes, please list the permit number here. WAR-00754

- If no, have you applied for a Washington State Stormwater Industrial Stormwater General Permit? ☐ YES ☐ NO

If you answered no to both questions above, complete the following questions 2 through 5.

2. Does your facility discharge stormwater: *(Check all that apply)*

- ☐ To storm sewer system *(provide name of storm sewer system operator: _____)*
☐ Directly to any surface waters of Washington State *(e.g., river, lake, creek, estuary, ocean).*

Specify waterbody name(s) _____

- ☐ Indirectly to surface waters of Washington State *(i.e., flows over adjacent properties first).*
☐ ☐ To a Sanitary Sewer
☐ Directly to ground waters of Washington State via:
☐ ☐ Dry well
☐ Drainfield
☐ Other

3. Areas with industrial activities at facility: *(check all that apply)*

- ☐ ☐ Manufacturing Building
☐ ☐ Material Handling
☐ ☐ Material Storage
☐ ☐ Hazardous Waste Treatment, Storage, or Disposal *(Refers to RCRA, Subtitle C Facilities Only)*
☐ ☐ Waste Treatment, Storage, or Disposal
☐ ☐ Application or Disposal of Wastewaters
☐ ☐ Storage and Maintenance of Material Handling Equipment
☐ ☐ Vehicle Maintenance
☐ ☐ Areas Where Significant Materials Remain
☐ ☐ Access Roads and Rail Lines for Shipping and Receiving

☐

Other (please specify): _____

4. Material handling/management practices

a. Types of materials handled and/or stored outdoors: *(check all that apply)*☐

Solvents

☐

Hazardous Wastes

☐

Scrap Metal

☐

Acids or Alkalies

☐

Petroleum or Petrochemical Products

☐

Paints/Coatings

☐

Plating Products

☐

Woodtreating Products

☐

Pesticides

☐Other *(please list)*: _____b. Identify existing management practices employed to reduce pollutants in industrial stormwater discharges: *(check all that apply)*☐

Oil/Water Separator

☐

Detention Facilities

☐

Containment

☐

Infiltration Basins

☐

Spill Prevention

☐

Operational BMPs

☐

Surface Leachate Collection

☐

Vegetation Management

☐

Overhead Coverage

☐Other *(please list)*: _____5. Attach a facility site map showing stormwater drainage/collection areas, disposal areas and discharge points. This may be a hand-drawn map if no other site map is available *(See example on page 16 of this application)*. Label this as attachment H.5.

SECTION I. OTHER INFORMATION

1. Describe liquid wastes or sludges being generated by your facility that are not disposed of in the waste stream(s) and how they are being disposed of. For each type of waste, provide type of waste and the name, address, and phone number of the hauler.

Not applicable

2. Describe storage areas for raw materials, products, and wastes.

Closed landfill. Intend to develop a decant facility for municipal stormwater catch basin material. Liquid will drain to landfill leachate collection system and solids will be disposed of in MSW Landfill. Facility will be built under existing 120ft x 130ft. building. Dept of Ecology providing funding for the facility. Haulers of the solid material to landfill will be various local county, city and WSDOT users of the decant facility

3. Have you designated the wastes described above according to the applicable ☒ YES ☐ NO procedures of Dangerous Waste Regulations, Chapter 173-303 WAC?

SECTION J. CERTIFICATIONS

1. Approval by Publicly-Owned Treatment Works [required by WAC 173-216-070(4)(b)]

I approve of the discharge as described in this application. The applicant is:

(Please check the appropriate box below.)

☐ ☐ ☐ A Significant Industrial User (see Definitions at the end of this Section)

☒ ☐ ☐ A Categorical Industrial User

☐ ☐ ☐ Neither of the above

Name and location of sewer system to which this project will be tributary:

Three Rivers Regional Wastewater Association. Treatment plant located at 467 Fibre Way,
Longview, WA. 98632

Treatment Works Owner: Three Rivers Regional Wastewater Association

Street: 467 Fibre Way

City/State: Longview WA

Zip: 98632

Duane Leaf

Signature of Treatment Works Authority

12/11/14

Date

Plant Superintendent

Title

Duane Leaf

Printed Name

2. Application review by Intermediate Sewer Owner at point of discharge (if applicable)

I hereby acknowledge that I have reviewed the application for discharge to this sewer system.

Name and location of sewer system to which this project will be tributary:

Cowlitz County Public Works owns and operates the dedicated 8 inch HDPE force main which
discharges into the headworks of the treatment plant.

Sewer System Owner: Cowlitz County Public Works

Street: 1600 13th Ave South

City/State: Kelso, WA

Zip: 98626

Ron Junker

Signature of Sewer System Authority

12/11/14

Date

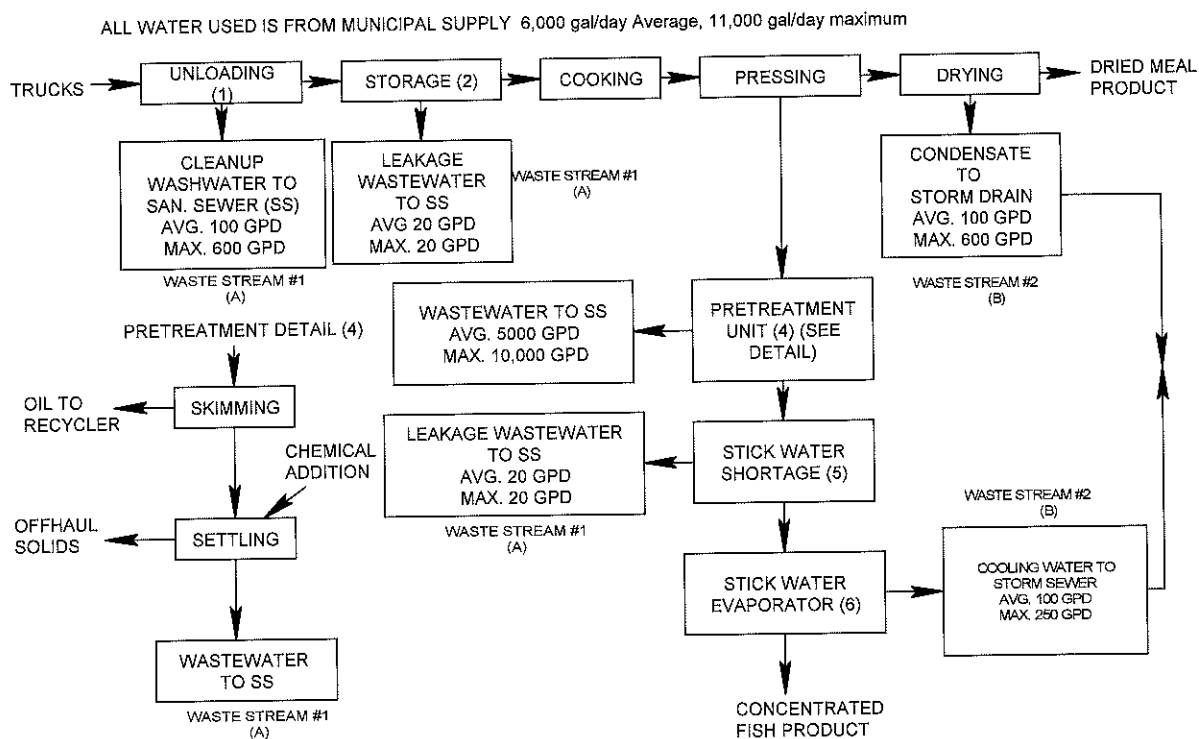
Director

Title

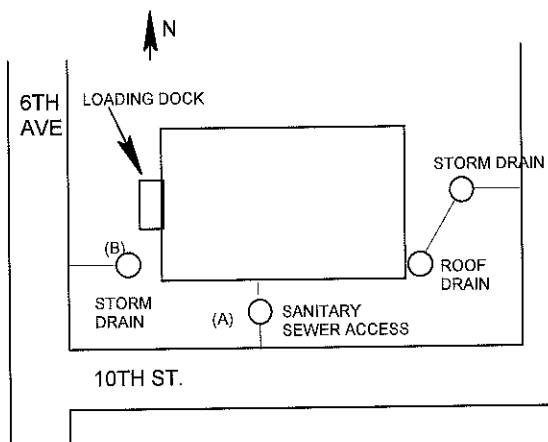
Ron Junker

Printed Name

Example 1 for application section C.2. (SCHEMATIC DIAGRAM)



Example 2 for application section F1 or H8 (FACILITY SITE MAP)



DEFINITIONS

Significant Industrial User (SIU)--

- 1) All industrial users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; and
- 2) Any other industrial user that: discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling, and boiler blow-down wastewater); contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or is designated as such by the Control Authority on the basis that the industrial user has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement (in accordance with 40 CFR 403.8(f)(6)).

Upon finding that the industrial user meeting the criteria in paragraph 2, above, has no reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement, the Control Authority may at any time, on its own initiative or in response to a petition received from an industrial user or POTW, and in accordance with 40 CFR 403.8(f)(6), determine that such industrial user is not a significant industrial user.

Control Authority - means the Washington State Department of Ecology in the case of non-delegated POTWs or means the POTW in the case of delegated POTWs.

Categoric Industrial User (CIU): An industrial user subject to national categorical pretreatment standards promulgated by EPA (40 CFR 403.6 and 40 CFR parts 405-471).

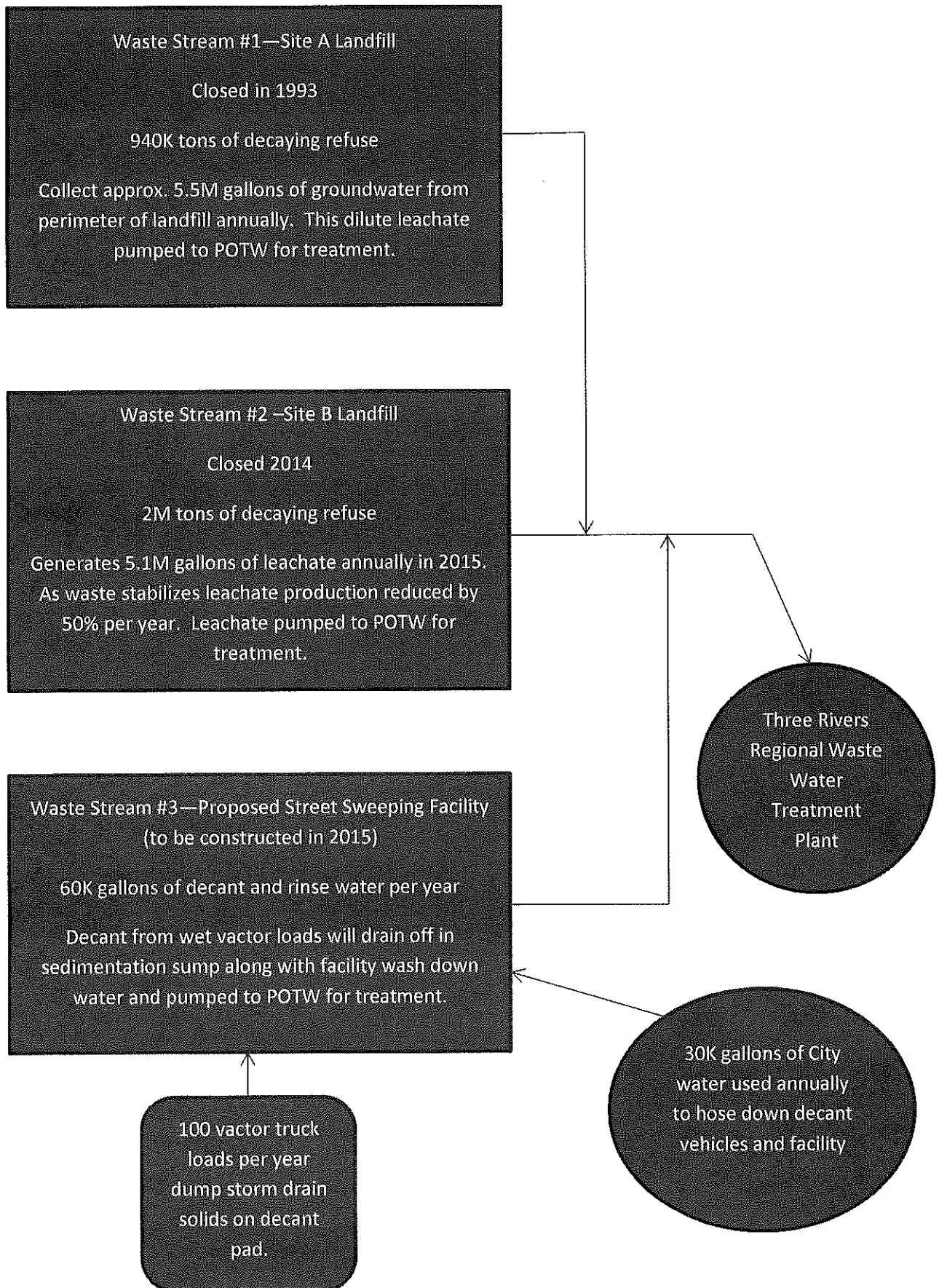
Summary of Attachments That May be Required for This Application:

(Please check those attachments that are included)

- | | | |
|-------------------------------------|------|---|
| <input checked="" type="checkbox"/> | C.2. | Production schematic flow diagram and water balance |
| <input type="checkbox"/> | C.4. | Wastewater treatment improvements |
| <input type="checkbox"/> | C.7. | Additional incidental materials |
| <input type="checkbox"/> | E.8. | Additional results of effluent testing |
| <input checked="" type="checkbox"/> | F.1. | Facility site map |
| <input type="checkbox"/> | H.5. | Stormwater drainage map |

If you need this document in a format for the visually impaired, call the Water Quality Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

C.2 Schematic Drawing -- Cowlitz County Tennant Way Landfill (Closed in 2014)



The map shows the proposed water treatment plant layout. Key features include:

- L1 Site A Pump Station:** Located in the upper left area of the map.
- L2 Site B Pump Station:** Located in the lower right area of the map.
- L3 Site B Lift Station:** Located in the center-right area of the map.
- Major Roads:** Dike Rd SW (running horizontally across the bottom) and Teanant Way (running diagonally from the top left).
- Elevation Points:** Numerous numerical values are scattered across the map, representing elevations in feet (e.g., 4221.70, 4221.60, 4221.50, 4221.40, 4221.30, 4221.20, 4221.10, 4221.00, 4220.90, 4220.80, 4220.70, 4220.60, 4220.50, 4220.40, 4220.30, 4220.20, 4220.10, 4220.00, 4219.90, 4219.80, 4219.70, 4219.60, 4219.50, 4219.40, 4219.30, 4219.20, 4219.10, 4219.00, 4218.90, 4218.80, 4218.70, 4218.60, 4218.50, 4218.40, 4218.30, 4218.20, 4218.10, 4218.00, 4217.90, 4217.80, 4217.70, 4217.60, 4217.50, 4217.40, 4217.30, 4217.20, 4217.10, 4217.00, 4216.90, 4216.80, 4216.70, 4216.60, 4216.50, 4216.40, 4216.30, 4216.20, 4216.10, 4216.00, 4215.90, 4215.80, 4215.70, 4215.60, 4215.50, 4215.40, 4215.30, 4215.20, 4215.10, 4215.00, 4214.90, 4214.80, 4214.70, 4214.60, 4214.50, 4214.40, 4214.30, 4214.20, 4214.10, 4214.00, 4213.90, 4213.80, 4213.70, 4213.60, 4213.50, 4213.40, 4213.30, 4213.20, 4213.10, 4213.00, 4212.90, 4212.80, 4212.70, 4212.60, 4212.50, 4212.40, 4212.30, 4212.20, 4212.10, 4212.00, 4211.90, 4211.80, 4211.70, 4211.60, 4211.50, 4211.40, 4211.30, 4211.20, 4211.10, 4211.00, 4210.90, 4210.80, 4210.70, 4210.60, 4210.50, 4210.40, 4210.30, 4210.20, 4210.10, 4210.00, 4209.90, 4209.80, 4209.70, 4209.60, 4209.50, 4209.40, 4209.30, 4209.20, 4209.10, 4209.00, 4208.90, 4208.80, 4208.70, 4208.60, 4208.50, 4208.40, 4208.30, 4208.20, 4208.10, 4208.00, 4207.90, 4207.80, 4207.70, 4207.60, 4207.50, 4207.40, 4207.30, 4207.20, 4207.10, 4207.00, 4206.90, 4206.80, 4206.70, 4206.60, 4206.50, 4206.40, 4206.30, 4206.20, 4206.10, 4206.00, 4205.90, 4205.80, 4205.70, 4205.60, 4205.50, 4205.40, 4205.30, 4205.20, 4205.10, 4205.00, 4204.90, 4204.80, 4204.70, 4204.60, 4204.50, 4204.40, 4204.30, 4204.20, 4204.10, 4204.00, 4203.90, 4203.80, 4203.70, 4203.60, 4203.50, 4203.40, 4203.30, 4203.20, 4203.10, 4203.00, 4202.90, 4202.80, 4202.70, 4202.60, 4202.50, 4202.40, 4202.30, 4202.20, 4202.10, 4202.00, 4201.90, 4201.80, 4201.70, 4201.60, 4201.50, 4201.40, 4201.30, 4201.20, 4201.10, 4201.00, 4200.90, 4200.80, 4200.70, 4200.60, 4200.50, 4200.40, 4200.30, 4200.20, 4200.10, 4200.00).
- Scale Bar:** Located in the bottom right corner, showing distances of 0, 200, and 500 feet.