

ST0006167



APPLICATION TO DISCHARGE INDUSTRIAL WASTEWATER TO A PUBLICLY-OWNED TREATMENT WORKS (POTW)

RECEIVED

This application is for a wastewater discharge permit for a discharge of industrial wastewater to a publicly-owned treatment works (POTW) as required by Chapter 90.48 RCW and Chapter 173-246 WAC. It is designed to provide the Department of Ecology with information on pollutants in the waste stream, materials that may enter the waste stream, and the flow characteristics of the discharge. Information previously submitted to Ecology that applies to this application should be referenced in the appropriate section. Ecology may request additional information to clarify the conditions of this discharge.

SECTION A. GENERAL INFORMATION

1. Applicant Name: Weyerhaeuser NR

2. Facility Name: Raymond Lumber mill
(if different from Applicant)

3. Applicant Mail Address: 51 Ellis Str
Street
Raymond, WA 98577
City/State Zip

4. Facility Location Address: _____
(if different from 3 above) Street

City/State Zip

5. Latitude/longitude of the facility: 46° 41' 20" N 123° 44' 07" W

6. UBI Number 602-865-829

7. Latitude/longitude of the point of discharge to the municipal collection system, if greater than 100 feet from facility location _____° _____' _____" N _____° _____' _____" W

8. Contact person:
Sylvia Markham Environmental Coordinator
Name Title
(360) 942-6305 (360) 942-6313 sylvia.markham@weyerhaeuser.com
Telephone Number Fax Number E-Mail

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 _____

SECTION B. PRODUCT INFORMATION

- Briefly describe all manufacturing processes and products, and/or commercial activities, at this facility. Provide the applicable Standard Industrial Classification (SIC) Code(s) for each activity (see *Standard Industrial Classification Manual*, 1987 ed.).

Description: SIC 2421

The sawmill includes kilns for drying the lumber, shipping, boiler operation, and staff support. The boiler produces the steam for drying the lumber. The lumber is exclusively commodity sized hemlock dimensional 2x4s to 2x10s. Activities include: log storage and handling; sawmill; kiln drying; a planer mill; shipping of finished goods; Power House boiler operation; maintenance support; and staff support. The mill has curtailed production during 2009 due to market conditions. Production data for this application is from 2008. The mill currently has 120 employees down from 164 in 2008. In 2008, the sawmill worked 2 x 40 hr shifts; the Planer worked 60 hrs a week; the boiler 24/7; and support staff worked 40 hr weeks. The mill typically runs 50 weeks per year. The pretreatment of kiln free water condensate (water removed when drying the lumber) began in October 2007. In April 2008 Weyerhaeuser and DOE entered into an Agreed Order # 5539 for the pH control and flow evaluation. Present data supports increasing the daily flow average allowance and maximum daily flow allowance. Reports have been sent to DOE with the pH neutralization trial information and flow evaluation data. The pH neutralization currently consists of adding 20% NaOH (caustic solution) with a metering pump and it is added at the discharge of the kiln free water stream at the kilns.

- List raw materials and products used at his facility:

Type	RAW MATERIALS	Quantity
hemlock logs	487, 409 T/yr (= 59, 957 MBF Scriber)	
Type	PRODUCTS	Quantity
kiln dried hemlock lumber	136,804 MBF (1000 board feet)	
chips / shavings	134,540 green tons / year	
residuals (sawdust, hog fuel)	57,047 green tons / year	

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
kilns	kiln free water condensate	1	B
Power House	boiler blow down, feed water preparation (sand filter softener back wash)	2	B
Support systems (maint, A/C, cooling water)	Vehicle wash, cooling water, A/C, etc	3	B
Mill Population	domestic waste	4	B
Misc water infiltration	leaks, rain water, misc	5	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 discharge flow? 69181 gallons/day

What is the maximum average monthly discharge flow (daily flows averaged over a month)? 26075 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.)*

1. pH neutralization of kiln free water, trials started Oct 2007. Trials completed selecting 20% NaOH solution for the neutralization in May 2009. Engineering report submitted in May 2009; currently waiting for DOE approval. Use of 20% NaOH continues. 2. Incidental adjustment of pH and temperature as the various streams mix prior to being pumped to The City of Raymond POTW.

5. If production processes are subject to seasonal variations, provide the following information. List discharge for each waste stream in gallons per day (GPD). The combined value for each month should equal the estimated total monthly flow.

Waste Stream ID#	MONTHS											
	J	F	M	A	M	J	J	A	S	O	N	D
1 <i>estimated</i>	15500	15500	17000	17000	14000	14000	11000	11000	11000	11000	13000	15000
2 <i>estimated</i>	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	4000
3 <i>estimated</i>	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700
4 <i>estimated</i>	3600	3600	3600	3600	3600	3600	3600	3600	3600	3600	3600	3600
5 can not measure												
days per month	31	28	31	30	31	30	31	31	30	31	30	31
gpd (daily average)	24300	24300	26300	26300	22800	23000	19800	19800	19800	19800	21800	23800
Estimated Total Monthly Flow (GPD)	753300	680400	815300	789000	706800	690000	629300	629300	609000	613800	654000	737800

6. How many hours a day does this facility typically operate? 16
 How many days a week does this facility typically operate? 6
 How many weeks per year does this facility typically operate? 50
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: see SPCC for details; maximum capacity; diesel 1100 gal; gas 525 gal; kerosene 500 gal; anti freeze 640 gal; oil / lubes 9900 gal; hydraulic fluid 8700 gal; boiler chemical in a bermed tank system in the boiler building 1200 gal

8. Some types of facilities are required to have spill or waste control plans. Does this facility have:
- a. A Spill Prevention, Control, and Countermeasure Plan (40 CFR 112)? YES NO
 - b. An Emergency Response Plan (per WAC 173-303-350)? YES NO
 - c. A runoff, spillage, or leak control plan (per WAC 173-216-110(f))? YES NO
 - d. Any spill or pollution prevention plan required by local, state or federal authorities? If yes, specify: storm water permit YES NO
 - e. A Solid Waste Management Plan? YES NO
 - f. A Slug Discharge Control Plan (40 CFR 403.8(f)(2)(v))? YES NO

SECTION E. WASTEWATER INFORMATION

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

Intake: City of Raymond flow meters

Effluent: Weyerhaeuser outfall 003 Toshiba flow meter

2. 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. Use the analytical methods given in the table unless an alternate method is approved by Ecology. All analyses (except pH) must be conducted by a laboratory registered or accredited by the Department of Ecology (WAC 173-216-125). If this is an application for permit renewal, provide data for the last year for parameters that are routinely measured. For parameters measured only for this application, place the values under "Maximum."

X	Parameter	Concentrations Measured			Analytical Method Std. Methods 19th edition	Detection Limit
		Minimum	Maximum	Average		
X	BOD (5 day)	12	1400	285	5210	2 mg/l
	COD				5220 B, C, or D	5 mg/l
X	Total Suspended Solids	10	510	140	2540D ✓	1 mg/l
	Total Dissolved Solids				2540 C	
	Conductivity				2510 B	
X	Ammonia-N	0.8	14	6	AM-350-1 4500-NH ₃ -C AME 350.1	20 µg/l <i>0.05 mg/l</i>
	pH	5.8	9.6	8.0	4500-H	0.1 units
	Total Residual Chlorine				4500-Cl E	1 mg/l
	Fecal Coliform				9222 D	
	Total Coliform				9221 B or 9222 B	
	Dissolved Oxygen				4500-O C or 4500-O G	
	Nitrate + Nitrite-N				4500-NO ₃ E	0.5 mg/l
	Total Kjeldahl N				4500-N _{org}	20 µg/l
	Ortho-phosphate-P				4500-P E or 4500-P F	1 µg/l

X	Parameter	Concentrations Measured			Analytical Method Std. Methods 19th edition	Detection Limit
		Minimum	Maximum	Average		
	Total-phosphate-P				4500-P B.4.	1 µg/l
X	Total Oil & Grease	<5	21.3	5.8	5520-E <i>AM</i> 5164A	0.2 mg/l
	Total Petroleum Hydrocarbon				5520 D, F <i>MOD</i>	
	Calcium				3500-Ca B	3 µg/l
	Chloride				4500-Cl C	0.15 µg/l
	Fluoride				4500-F D	0.1 mg/l
	Magnesium				3500-Mg B	0.5 µg/l
	Potassium				3500-K B	5 µg/l
	Sodium				3500-Na B	2 µg/l
	Sulfate				4500-SO ₄ E	1 mg/l
	Arsenic (total)				3114 B	2 µg/l
	Barium (total)				3500-Ba B	30 µg/l
	Cadmium (total)				3500-Cd B	5 µg/l
	Chromium (total)				3500-Cr B	50 µg/l
	Copper (total)				3500-Cu B	20 µg/l
	Lead (total)				3500-Pb B	100 µg/l
	Mercury				3500-Hg B	0.2 µg/l
	Molybdenum (total)				3500-Mo	1 µg/l
	Nickel (total)				3500-Ni	20 µg/l
	Selenium (total)				3500-Se C	2 µg/l
	Silver (total)				3500-Ag B	10 µg/l
	Zinc (total)				3500-Zn B	5 µg/l

5.0 mg/L

3. Describe the collection method for the samples analyzed above (*i.e.*, grab, 24-hour composite).
pH grab 1 per week and compared to continuous meter, {NH₃-N BOD TSS 24 hr composite once per week } Oil / Grease grab once per week;
4. Has the effluent been analyzed for any other parameters than those identified in question E.2?
 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.*)
5. 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? (*The number following the chemical name is the Chemical Abstract Service (CAS) reference number to aid in identifying the compound.*) YES NO
If yes, specify how the chemical is used and the quantity used or produced:

VOLATILE COMPOUNDS

Acrolein (107-02-8)	1,1-Dichloroethylene (75-35-4)
Acrylonitrile (107-13-1)	1,2-Dichloropropane (78-87-5)
Benzene (71-43-2)	1,3-Dichloropropene (542-75-6)
Bis (<i>chloromethyl</i>) Ether (542-88-1)	Ethylbenzene (100-41-4)
Bromoform (75-25-2)	Methyl Bromide (74-83-9)
Carbon Tetrachloride (108-90-7)	Methyl Chloride (74-87-3)
Chlorobenzene (108-90-7)	Methylene Chloride (75-09-2)
Chlorodibromomethane (124-48-1)	1,1,2,2-Tetrachloroethane (79-34-5)
Chloroethane (75-00-3)	Tetrachloroethylene (127-18-4)
2-Chloroethylvinyl Ether (110-75-8)	Toluene (108-88-3)
Chloroform (67-66-3)	1,2-Trans-Dichloroethylene (156-60-5)
Dichlorobromomethane (75-27-4)	2. 1,1,1-Trichloroethane (71-55-6)
Dichlorodifluoromethane (75-71-8)	2. 1,1,2-Trichloroethane (79-00-5)
1,1-Dichloroethane (75-34-3)	2. Trichloroethylene (79-01-6)
1,2-Dichloroethane (107-06-2)	Trichlorofluoromethane (75-69-4)
Vinyl Chloride (75-01-4)	

ACID COMPOUNDS

2-Chlorophenol 95-57-8	4-Nitrophenol 100-02-7
2,4-Dichlorophenol 120-83-2	p-Chloro-M-cresol 59-50-7
2,4-Dimethylphenol 105-67-9	Pentachlorophenol 87-86-5
4,6-Dinitro-o-cresol 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	

METALS

Antimony 7440-36-0	Mercury 7439-97-6
Arsenic 7440-38-2	Nickel 7440-02-0
Beryllium 7440-41-7	Selenium 7782-49-2
Cadmium 7440-43-9	Silver 7440-22-4
Chromium 7440-47-3	Thallium 7440-28-0
Copper 7440-50-8	Zinc 7440-66-6
Lead 7439-92-1	Cyanide 57-12-5

PESTICIDES

Aldrin 309-00-2	Endosulfan I 115-29-7
alpha-BHC 319-84-6	Endosulfan II 115-29-7
beta-BHC 319-85-7	Endosulfan Sulfate 1031-07-8
gamma-BHC 58-89-9	Endrin 72-20-8
delta-BHC 319-86-8	Endrin Aldehyde 7421-93-4
Chlordane 57-74-9	Heptachlor 76-44-8
4,4'-DDD 72-54-8	Heptachlor Epoxide 1024-57-3
4,4'-DDE 72-55-9	PCB (7 Aroclors)
4,4'-DDT 50-29-3	Toxaphene 8001-35-2
Dieldrin 60-57-1	

BASE/NEUTRAL COMPOUNDS

Acenaphthene 83-32-9	Diethyl Phthalate 84-66-2
Acenaphthylene 208-96-8	Dimethyl Phthalate 131-11-3
Anthracene 120-12-7	Di-n-butyl Phthalate 84-74-2
Benzidine 92-87-5	2,4-Dinitrotoluene 121-14-2
Benzo(a)anthracene 56-55-3	2,6-Dinitrotoluene 606-20-2
Benzo(a)pyrene 50-32-8	Di-n-octyl Phthalate 117-84-0
3,4 Benzofluoranthene 205-99-2	1,2-Diphenylhydrazine 122-66-7
Benzo(ghi)Perylene 191-24-2	Fluoranthene 206-44-0
Benzo(k)fluoranthene 207-08-9	Fluorene 86-73-7
Bis(2-chloroethoxy) Methane 111-91-1	Hexachlorobenzene 118-74-1
Bis(2-chloroethyl) Ether 111-44-4	Hexachlorobutadiene 87-68-3
Bis(2-chloroisopropyl) Ether 102-60-1	Hexachlorocyclopentadiene 77-47-4
Bis(2-ethylhexyl) Phthalate 117-81-7	Hexachloroethane 67-72-1
4-Bromophenyl Phenyl Ether 101-55-3	Indeno(1,2,3-cd)pyrene 193-39-5
Butyl Benzyl Phthalate 85-68-7	Isophorone 78-59-1
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,h)anthracene 53-70-3	N-nitrosodi-n-propylamine 621-64-7
1,2-Dichlorobenzene 95-50-1	N-nitrosodiphenylamine 86-30-6
1,3-Dichlorobenzene 541-73-1	Phenanthrene 85-01-8
1,4-Dichlorobenzene 106-46-7	Pyrene 129-00-0
3,3- Dichlorobenzidine 91-94-1	1,2,4-Trichlorobenzene 120-82-1

6. Are any other pesticides, herbicides or fungicides used at this facility? YES NO
If yes, specify the material and quantity used:

7. 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):

8. 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

9. If the answer to question 8 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

Ignitable

Reactive

Corrosive

TCLP Dangerous Waste Number(s) _____

State Only Dangerous Wastes

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 (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.

Air Operating permit (Title V) # 04-AOP-387; Storm water #SO3000370; Waster Water Permit # ST6167; Storm water Pollution Prevention Plan (SWPPP) , Spill Prevention, Control, and Counter Measures (SPCC), Solid Waste Plan

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. SO3000 370

- If no, have you applied for a Washington State Stormwater Baseline 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*)

- | | |
|--|--|
| <input type="checkbox"/> Solvents | <input type="checkbox"/> Hazardous Wastes |
| <input type="checkbox"/> Scrap Metal | <input type="checkbox"/> Acids or Alkalies |
| <input type="checkbox"/> Petroleum or Petrochemical Products | <input type="checkbox"/> Paints/Coatings |
| <input type="checkbox"/> Plating Products | <input type="checkbox"/> Woodtreating Products |
| <input type="checkbox"/> Pesticides | <input type="checkbox"/> Other (<i>please list</i>): _____ |

b. Identify existing management practices employed to reduce pollutants in industrial stormwater discharges: (*check all that apply*)

- | | |
|--|--|
| <input type="checkbox"/> Oil/Water Separator | <input type="checkbox"/> Detention Facilities |
| <input type="checkbox"/> Containment | <input type="checkbox"/> Infiltration Basins |
| <input type="checkbox"/> Spill Prevention | <input type="checkbox"/> Operational BMPs |
| <input type="checkbox"/> Surface Leachate Collection | <input type="checkbox"/> Vegetation Management |
| <input type="checkbox"/> Overhead Coverage | <input type="checkbox"/> Other (<i>please list</i>): _____ |

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.8.

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.

1. Consolidated Paint Waste: (paints, solvents, aerosol waste): Emerald Services Seattle WA 800-922-9395 2. Parts Cleaner: CCS Aberdeen WA 1-888-423-6316 or (360) 532-4309 or Emerald Services (see above) 3. Used Oil: CCS (see above) or Apex Hoquiam WA (360) 532-3590 4. wood debris waste CCS (see above)

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

1. logs; open area east of sawmill some area paved, some heavy rock and gravel surface 2. green lumber; staged by kilns on paved area 3. dry lumber; under cover in shipping building or wrapped and stord outside on paved surface 4. hazardous waste; stored in locked building 5. Power House chemicals; inside building in bermed tanks 6. recycle material; stored in recycle building

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

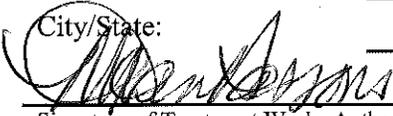
1. Approval by Publicly-Owned Treatment Works [required by WAC 173-216-070(4)(b)]

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:

Treatment Works Owner: City of Raymond, Washington
Street: 300 First Street
City/State: Raymond, WA Zip: 98577
 12/10/09 Director of Public Works
Signature of Treatment Works Authority Date Title
M. Deen Parsons
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.

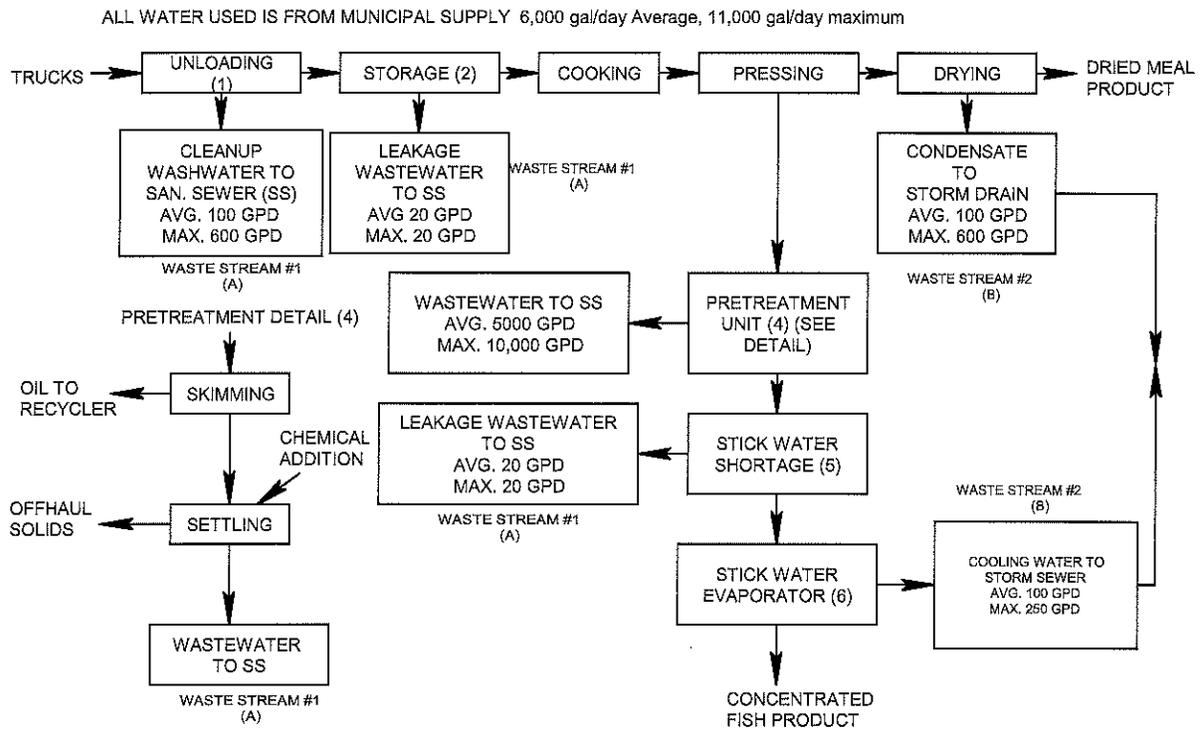
Name and location of sewer system to which this project will be tributary:

Sewer System Owner: _____
Street: _____
City/State: _____ Zip: _____

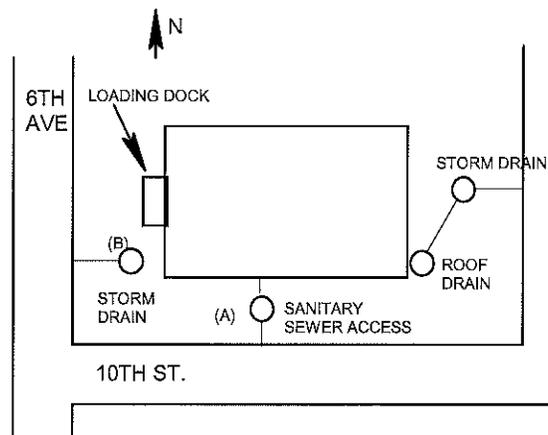
Signature of Sewer System Authority Date Title

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:

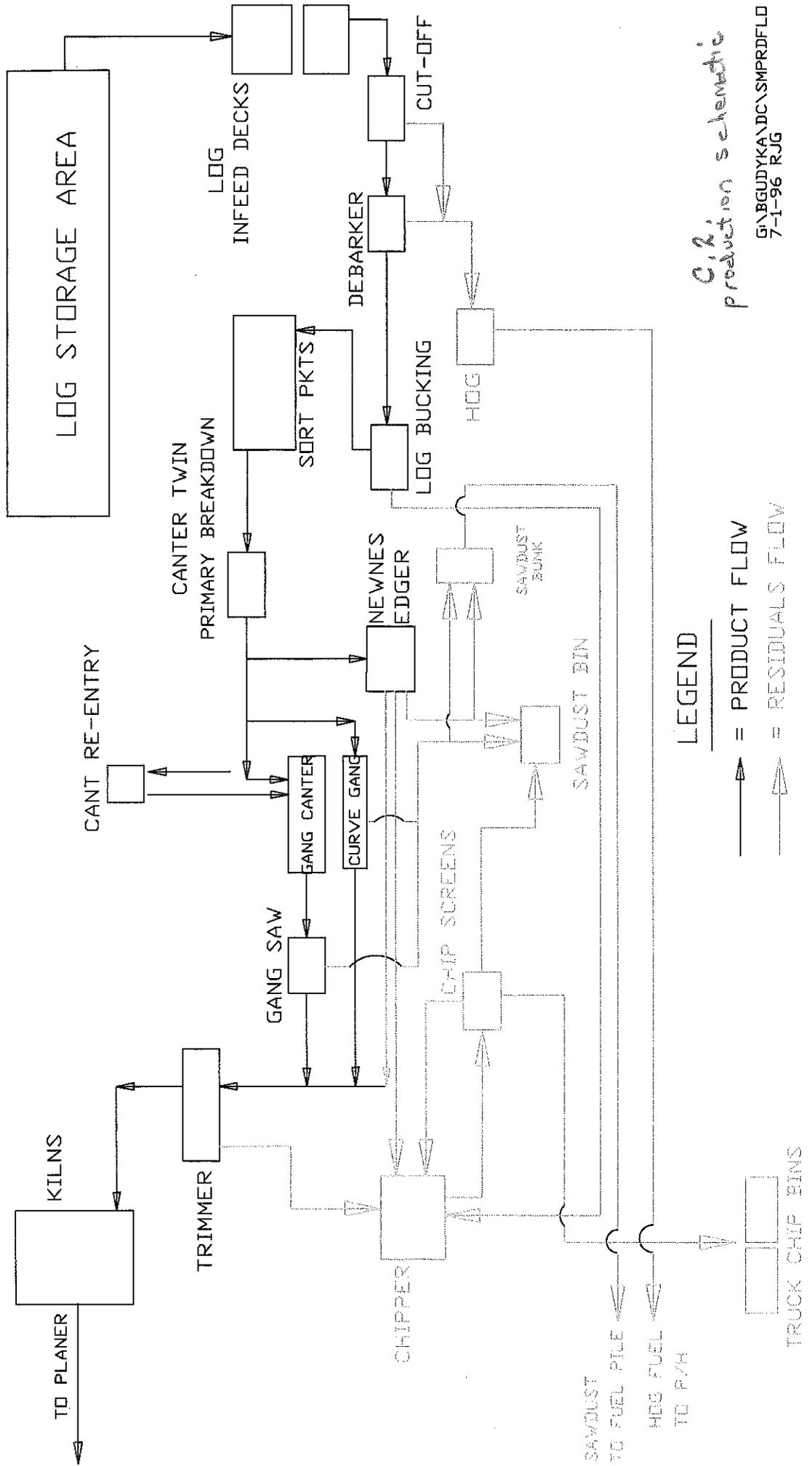
(Please check those attachments that are included)

- C.1. Production schematic flow diagram and water balance
- C.4. Wastewater treatment improvements
- C.7. Additional incidental materials
- E.5. Additional results of effluent testing
- F.1. Facility site map
- H.8. Stormwater drainage map

C.2.

SAWMILL PRODUCT FLOW

FIGURE 2-1



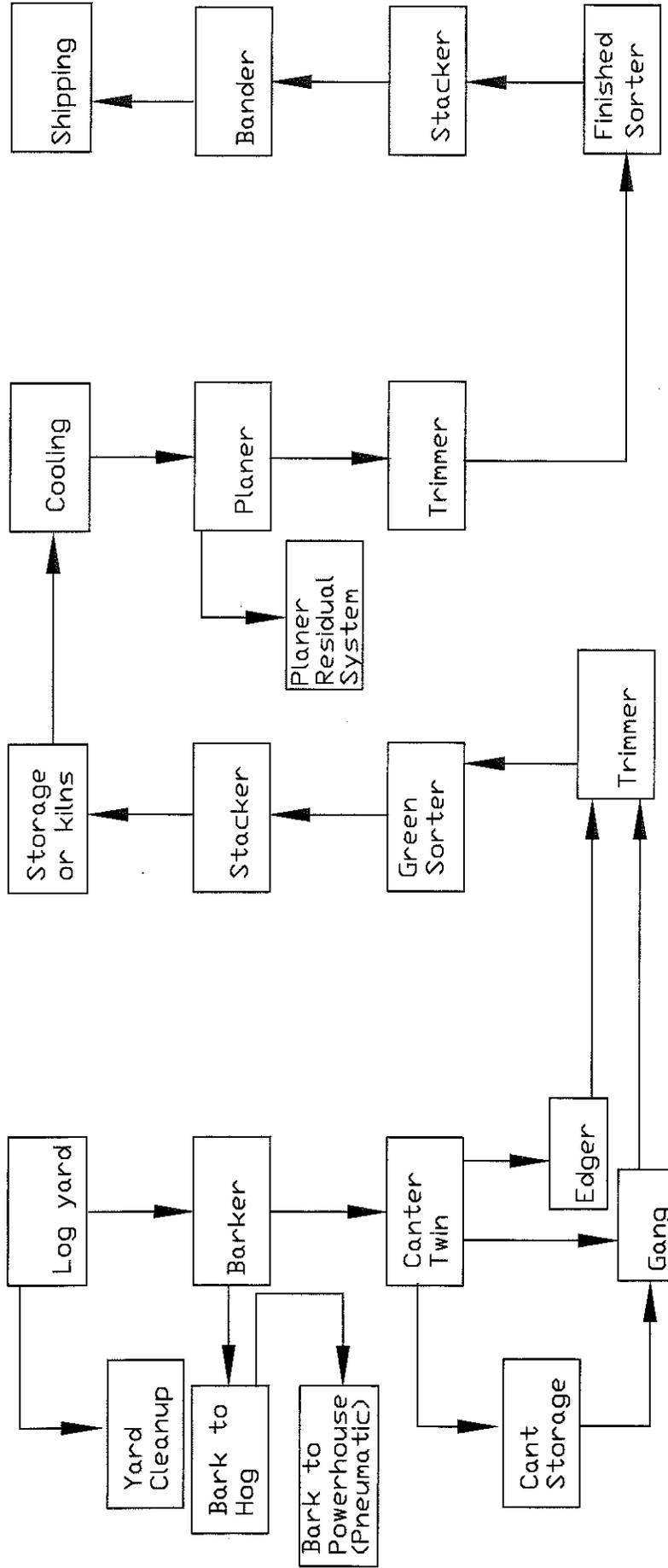
LEGEND

- = PRODUCT FLOW
- = RESIDUALS FLOW

C.R.
 production schematic
 G:\BGUDYKA\DC\SMRDFLD
 7-1-96 RJG

Weyerhaeuser Company
Raymond Lumbermill

Lumber manufacturing process flow chart



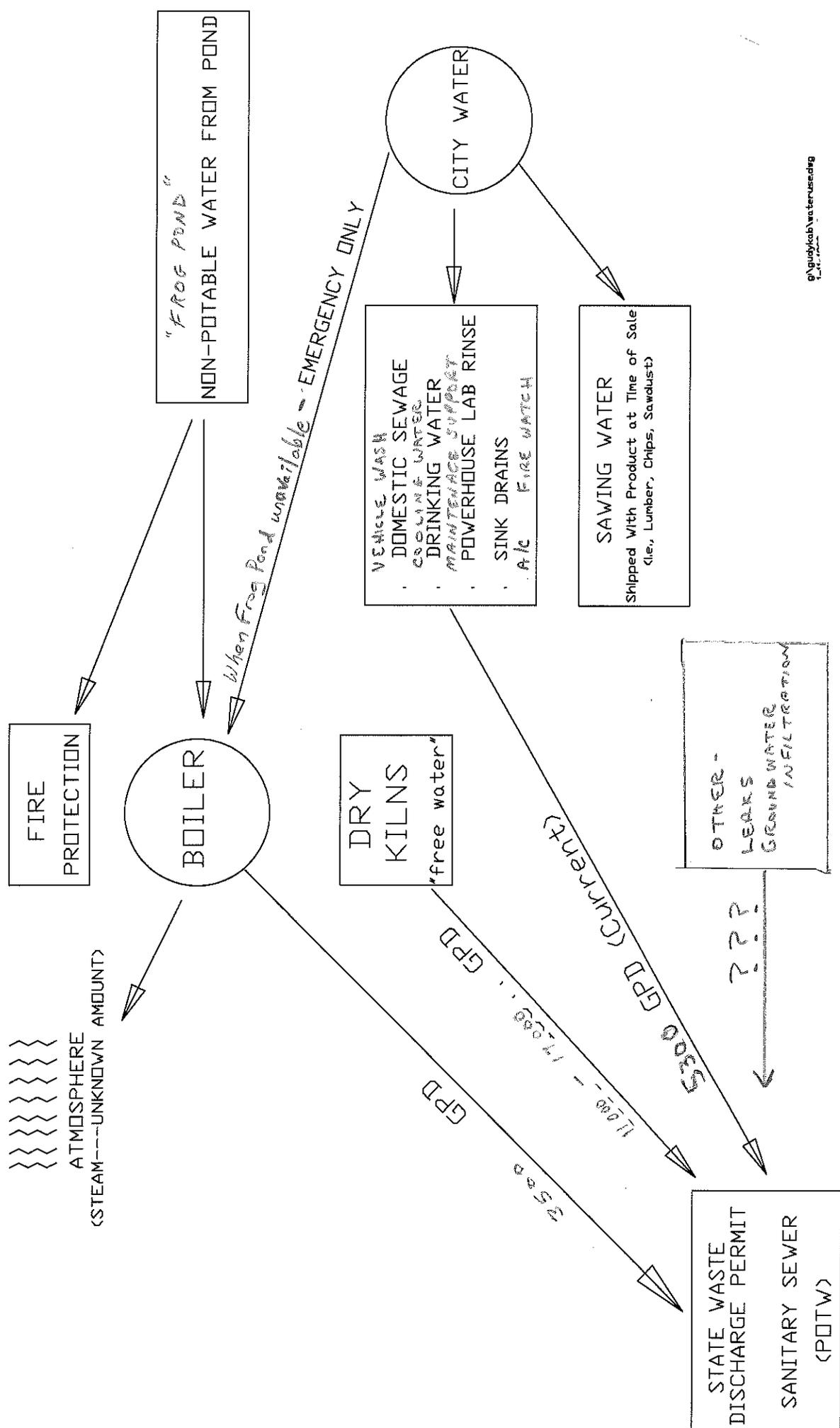
Ancillary activities

Maint & engineering	Chemical waste holding	Housekeeping	Office/stores/purchasing
-Parts cleaning	-Waste ink / containers	-Dumpsters	-Recyclable materials
-Used oil/Rags/Lub's	-Aerosols	-Site sweeping DUST CONTROL	
Powerhouse	Residual Systems	Kiln Operations	
-Boiler capacity (Permitted)	-Planing Mill	-Kiln free water discharge to POTW (Permitted)	
-Boiler blowdown/backwash discharge (Permitted)	-Sawmill		
	-Powerhouse (ash)		

LEGEND
 = Wood in process

C.2.

WATER USE/DISCHARGE C.2.

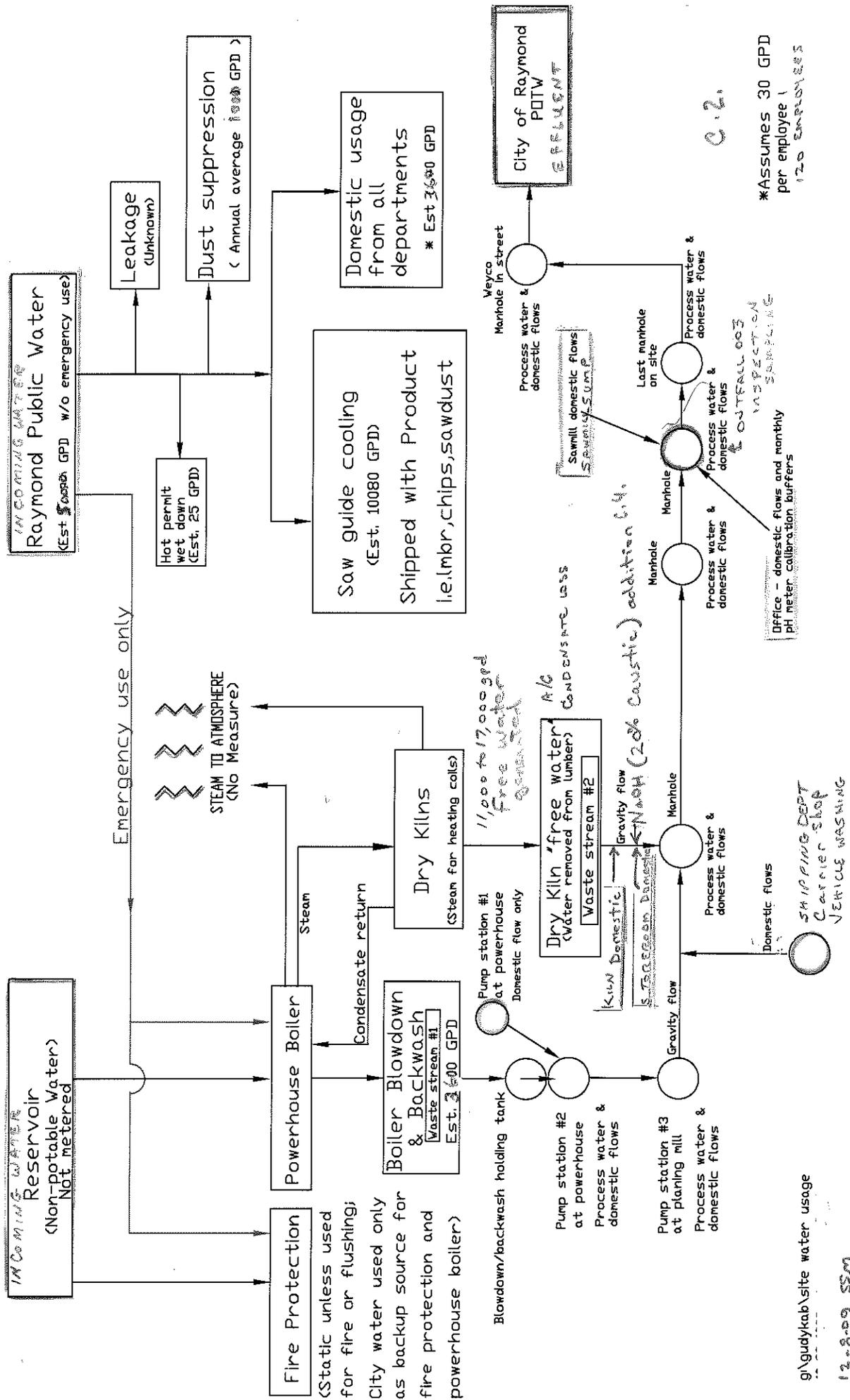


g:\study\kab\waterused.dwg

12-8-09 55M

C.2.

WEYERHAEUSER COMPANY RAYMOND, WASHINGTON SITE WATER USAGE

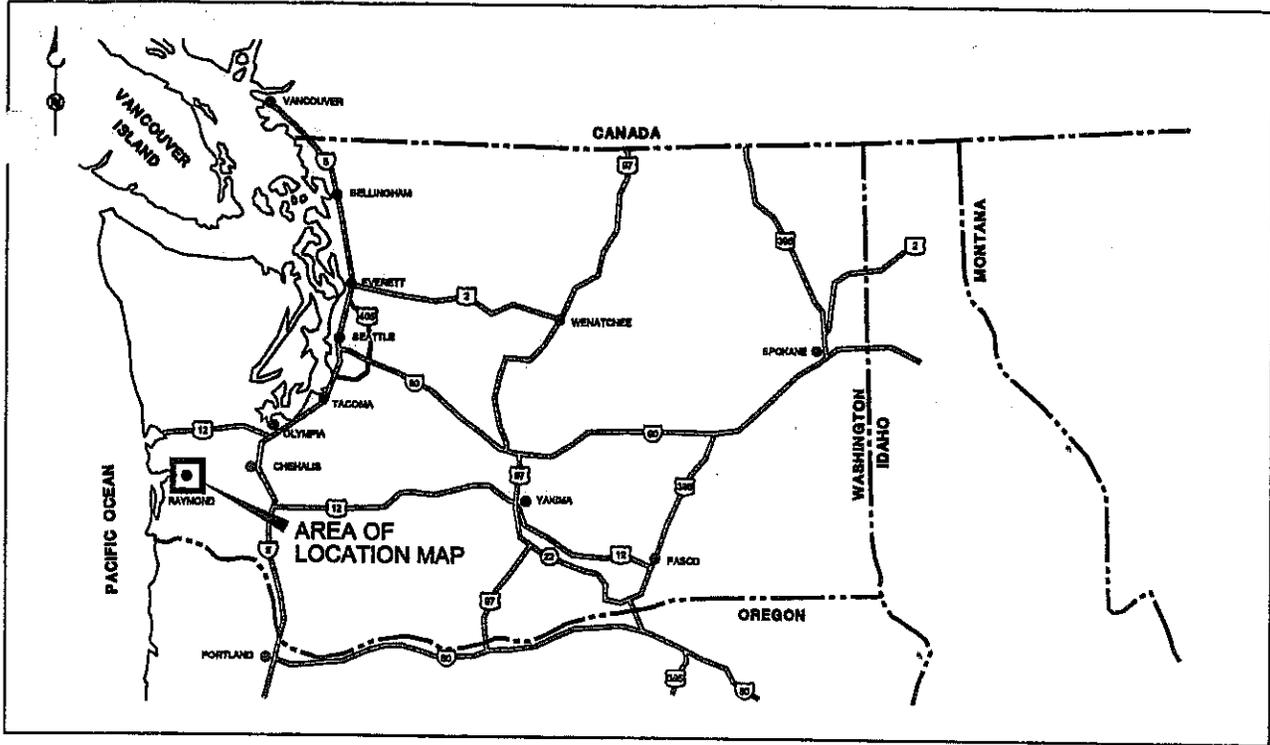


C.2.

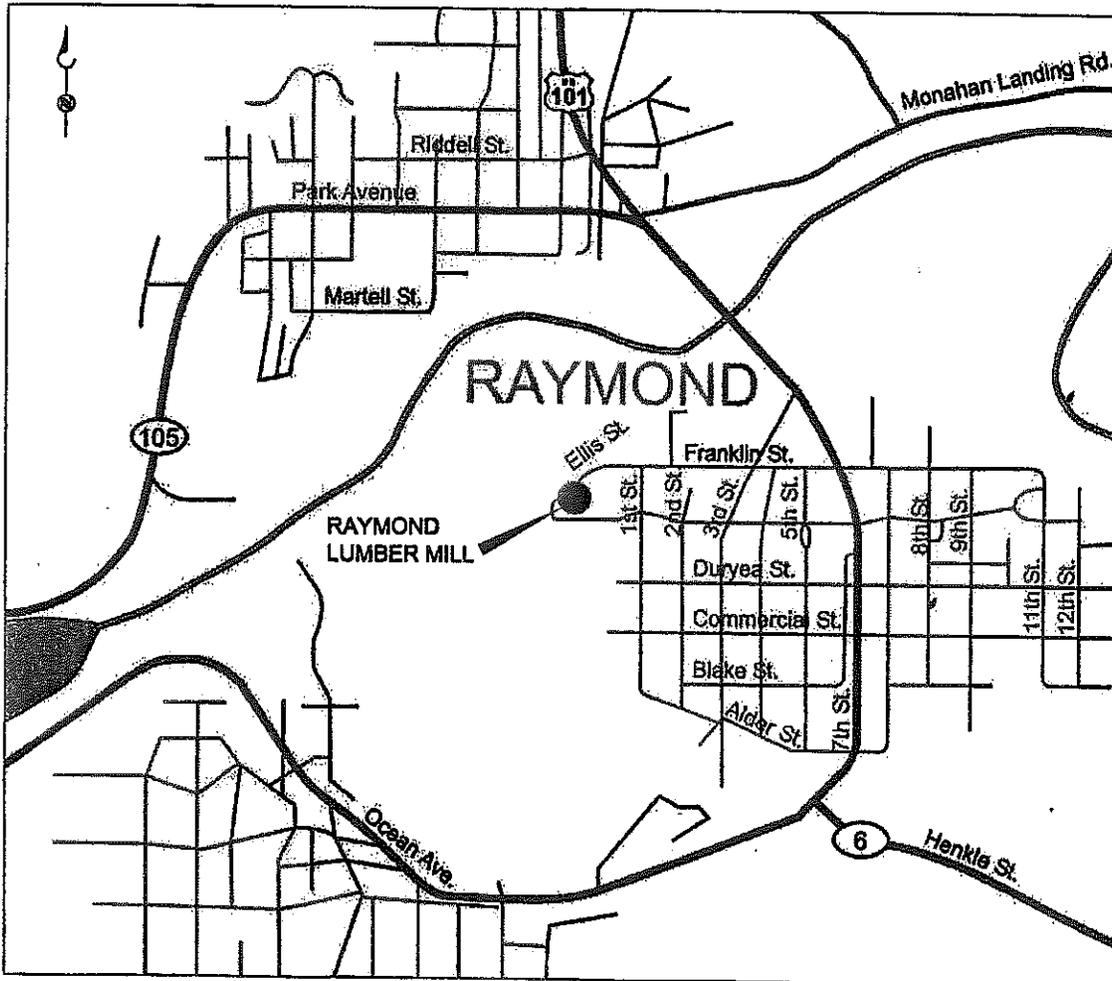
*ASSUMES 30 GPD per employee 120 EMPLOYEES

g:\gudykab\site water usage

12-8-09 SSJM



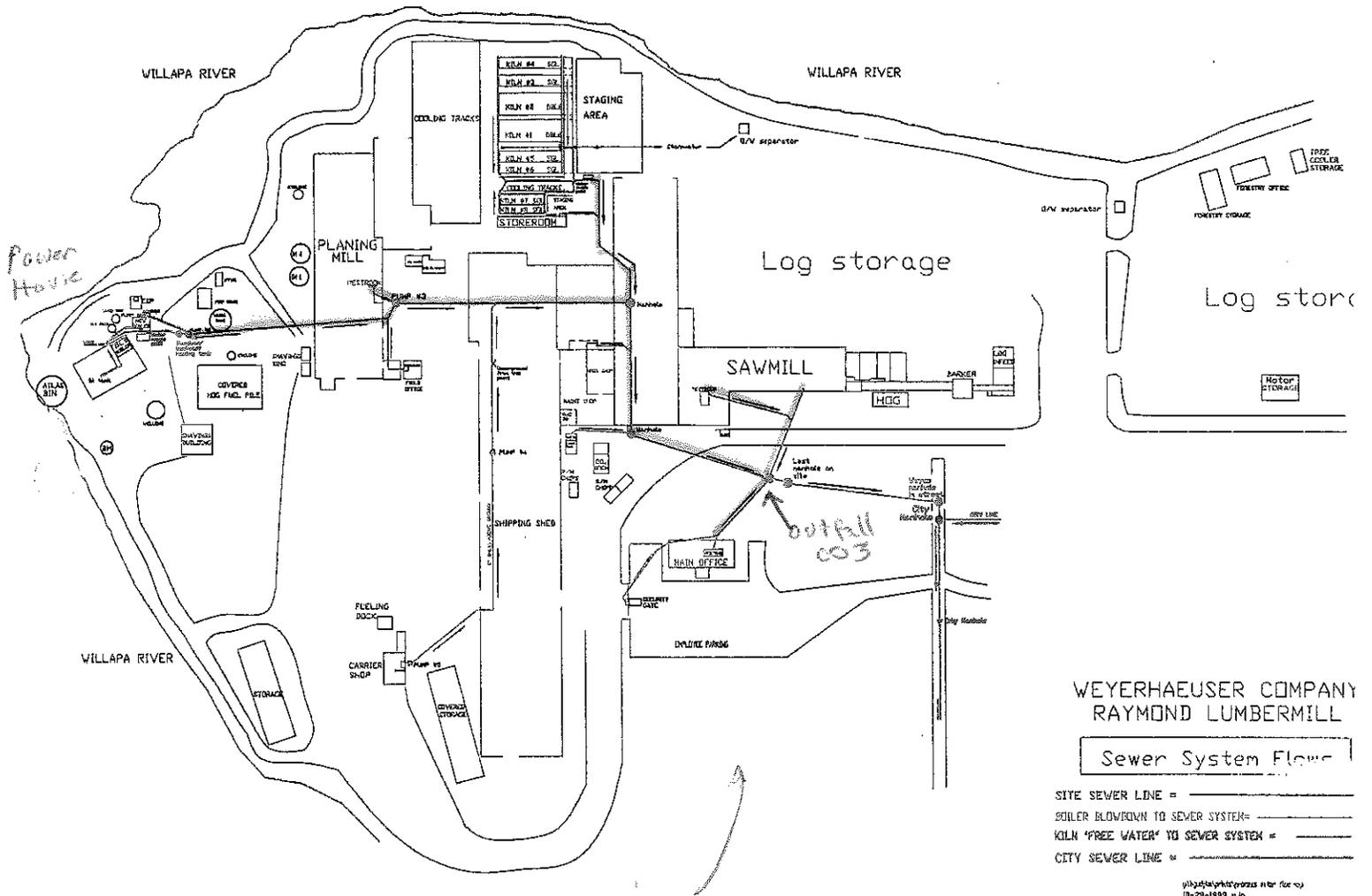
VICINITY MAP



LOCATION MAP

F.1

Kilos



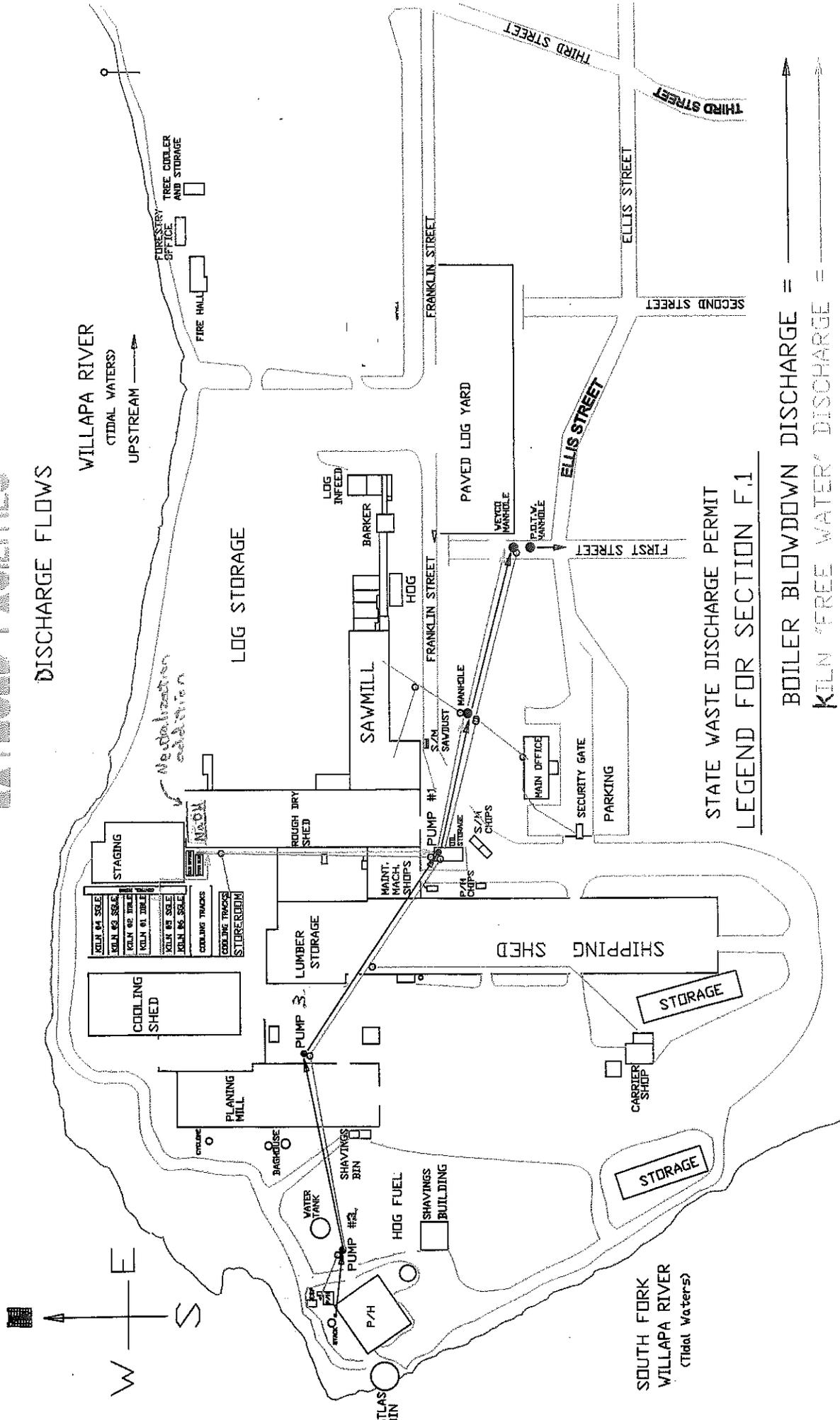
outfall 003 tank is the sampling location & inspection location

F.1.

F.1.

WEYENHAUSER COMPANY RAYMOND FACILITIES

DISCHARGE FLOWS



WILLAPA RIVER
(TIDAL WATERS)
UPSTREAM

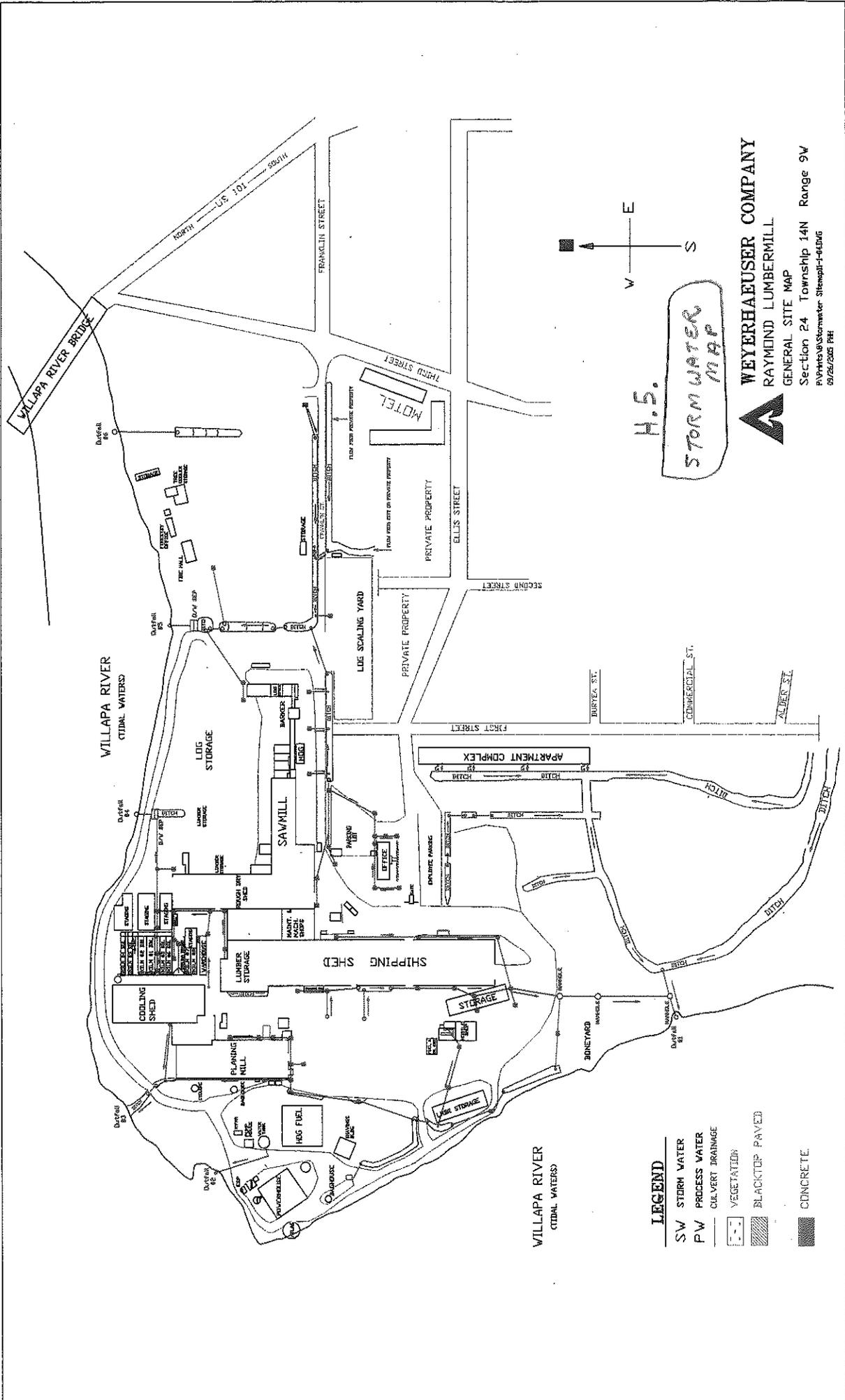
SOUTH FORK
WILLAPA RIVER
(Tidal Waters)

STATE WASTE DISCHARGE PERMIT
LEGEND FOR SECTION F.1

- BOILER BLOWDOWN DISCHARGE =
- KILN 'FREE WATER' DISCHARGE =
- DOMESTIC FLOW =

H.5

H.5.



H.5.
STORM WATER
MAP

WEYERHAEUSER COMPANY
RAYMOND LUMBERMILL
 GENERAL SITE MAP
 Section 24 Township 14N Range 9W
 P:\Projects\Stormwater\Stmwp1-14.DWG
 09/26/2005 PHE

