APPLICATION FOR A WASTEWATER DISCHARGE PERMIT FOR DISCHARGE OF INDUSTRIAL WASTEWATER TO THE CITY OF YAKIMA

This application is for a wastewater discharge permit for a discharge of industrial wastewater to a publicly owned treatment works (POTW) as required in accordance with provisions of Chapter 90.48 RCW, Chapter 173-216 WAC and Chapter 7.65 Yakima Municipal Code. Permit applications provide the City with information on pollutants in the waste stream, materials which may enter the waste stream, and the flow characteristics of the discharge.

The City may request additional information at a later date to clarify the conditions of this discharge. Information previously submitted to the City and which is applicable to this application should be referenced in the appropriate section.

SECTION A. GENERAL INFORMATION

1. Facility Name: _____

2. Applicant Name/title: _____

3. Mailing Address: _____
   Street

   _____
   City/State Zip

4. Facility Address: _____
   (physical address) Street

   _____
   City/State Zip

5. Latitude/longitude of the facility:

   Latitude ____□_____ Longitude ____._____

6. Additional facility contact familiar with the information contained in this application:

   _____ _____
   Name Title

   _____ _____
   Telephone Number Fax Number

   _____
   Email Address

7. Check One:

☐ **Permit Renewal** (including renewal of temporary permits authorized by RCW 90.48.200)

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:_____

The City of Yakima is an equal opportunity agency and does not discriminate on the basis of race, creed, color, disability, age, religion, national origin, sex, marital status, disabled veteran's status, Vietnam Era veteran's status or sexual orientation.

If you have special accommodation needs or require this document in alternative format, please contact Jaime Thompson at (509) 575-6077.

**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 application is to be signed by the person who makes budget decisions for this facility.*

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 completed. I am aware that there are significant penalties for submitting false information.

_____ _____ _____

Signature* Title Date

_____

Printed Name

CONSENT RELEASE

Undersigned hereby acknowledges by signature that the City of Yakima has permission and the right, upon the presentation of credentials and other documents as may be required by law, to:

1. *Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;*

2. *Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;*

3. *Inspect at reasonable times any facilities, equipment (including monitoring and equipment), practices, or operations regulated or required under this permit;*

4. *Sample or monitor, for the purposes of assuring permit compliance, any substances or parameters at any location; and*

5. *Inspect any production, manufacturing, fabricating or storage area where pollutants, regulated under the permit, could originate, be stored, or be discharged to the sewer system.*

In the event any discharger declines to allow access to the discharger's premises for inspection, monitoring, or sampling, the Wastewater Manager shall not enter such premises without first obtaining a duly issued judicial warrant.

Undersigned acknowledges their understanding that refusal of such permission shall be sufficient grounds for termination of the permit and the right to discharge to the City of Yakima's POTW.

Signature*	Title	Date

Printed Name

Please complete the Designation of Authorized Representative section below if you wish to designate an authorized representative(s). The City of Yakima will not accept documents signed by persons other than the company's authorized representative(s).

DESIGNATION OF AUTHORIZED RESPRESENTATIVE

I, _____ certify that I am the _____

of _____ and that _____

is authorized to make submittals to the City of Yakima Wastewater Division on behalf of

_____ and that said submittals are duly signed for and on

behalf of said corporation by authority of its governing body, and are within the scope of its corporate

powers.

_____ _____

Signature of Corporation Official *Date*

_____

Corporate Seal

DEFINITION OF AN AUTHORIZED REPRESENTATIVE

"Authorized Representative" definition (YMC 7.65.020):

A. If the industrial discharger is a corporation, the president, secretary, treasurer or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or the manager of one or more manufacturing, production or operation facilities provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate *procedures;*

B. If the industrial discharger is a partnership or sole proprietorship, a general partner or proprietor, respectively;

C. If the industrial discharger is a federal, state, or local governmental facility, a director or highest official appointed or designated to oversee the operation and performance of the activities of the government facility, or his/her designee;

D. The individuals described in subsections (A) through (C) above may designate another authorized representative if the authorization is in writing, the authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company, and the written authorization is submitted to the City.

SECTION B. PRODUCT INFORMATION

1. 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.).

#	SIC code	Process Description

2. List the **raw materials, chemicals, and petroleum products** and identify where in the process they are used and how much is stored. **Include cleaning agents and anything regularly used in your facility that might be present in your wastewater discharge to a sanitary sewer, including accidental spills (include anything in excess of 10 gallon containers and all substances listed as hazardous on MSDS regardless of volume)**:

List all products produced on site and quantities stored.

Product Name	Amount Produced per Day	Amount Stored Onsite	Ingredient Information

List all raw materials and chemicals used at the facility (include SDSs for each product as an attachment).

Raw Material	Storage Location	Amount Used per Day	Amount Stored Onsite	Ingredient Information

- Use additional page if necessary and label as Attachment B.2

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 or Continuous Process

2. On a separate sheet, **produce a schematic drawing (mark as Attachment C.2) showing water use (water in) and production processes, water flow through the facility including mechanical and production components.** The drawing should indicate the source of intake water and show the operations contributing wastewater to the effluent. Label treatment tanks used in processing and average flow in GPD. Label pretreatment equipment such as settling tank, Dissolved Air Filtration, or filters. Indicate wastestream identification #s consistent with the ID#s in Table C.1.
Construct a water balance by showing average flows between intakes, operations, treatment units, and points of discharge to the POTW. (*See the example on the last page of this application form.)*

3. What is the maximum daily discharge flow: _____ gallons/day

   What is the maximum average monthly discharge flow (daily flows averaged over a month):_____ gallons/day

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

_____

_____

_____

_____

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#	**ESTIMATED FLOW GPD (PER MONTH)**											
	J	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**
Ex: Process Line	500	500	500	500	1200	1200	1200	1200	500	500	500	500
Estimated Total Monthly Flow (GPD)												

6. How many **hours a day** does this facility typically operate?
   How many **days a week** does this facility typically operate?

How many **weeks per year** does this facility typically operate?
How **many employees** at this facility?

7. **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?
☐ Yes ☐ No If yes specify:_____
e. A Solid Waste Management Plan? ☐ Yes ☐ No
f. Slug Discharge Control Plan (40 CFR 403.8(f)(2)(v))? ☐ Yes ☐ No

Note – Final permit will require Operation and Maintenance Manual and Spill Prevention Control and Countermeasure Plan once permit is issued. Operation and Maintenance Manual requires Engineer's Signature.

SECTION D. WATER CONSUMPTION AND WATER LOSS

1. Water source(s):

☐Public System (Specify)_____
☐Private Well ☐Surface Water

a. Water Right Permit Number:_____

b. Legal Description of Water Source:

___ ¼S, ___ ¼S, Section, ___ TWN, ___ R

2. Water use
a. Indicate total water use: Gallons per day (average) _____
Gallons per day (maximum) _____

b. Is water metered? ☐ Yes ☐ No

SECTION E. PRODUCTION INFORMATION

(This table is specific to fruit packing facilities, used for permit fee calculations per WAC 173-224-040)

1. In the table below, give approximate annual production numbers.

	Annual Maximum	Annual Average (last 3 years)
Number of Bins Packed		
Number of Bins Stored		
Number of Bins Drenched		

Yakima Municipal Code §7.60.105 sets wastewater discharge permit fees for Significant Industrial Users (SIU) at 90% of that amount identified in the industrial facility categories of WAC 173-224-040.

SECTION F. WASTEWATER INFORMATION

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

Attach a facility site map (Attachment F.1). The site map enhances the schematic drawing of wastewater flow by locating each activity and process in a geographical setting, including all components of the discharge system. Be sure to label all sewer discharge components, stormwater components, streets, parking areas, catch basins and sample ports.

If flow meter is used list meter make and model:

Intake:

Effluent:

If flow meter is used to measure discharge please indicate location of meter on the facility site map.

2. Is an inspection and sampling manhole or similar structure available on-site?

☐ Yes ☐ No

If yes, please indicate location of the sampling manhole on the facility site map

3. Is there an automatic sampler in use? ☐ Yes ☐ No

4. Provide measurements for wastewater prior to discharge to municipal collection system for the parameters listed in the following table, unless waived by the permitting authority. All analytical methods used to meet these requirements shall, unless approved otherwise in writing by Ecology, conform to the Guidelines Establishing Test Procedures for the Analysis of Pollutants Contained in 40 CFR Part 136.

F.4 Parameter Table

Parameter	Sample Collection Method (grab, composite)	Analytical Method	Detection Limit	Concentration Measured (mg/L or ug/L)
BOD (5 day)		5210	2 mg/L	
COD		5220 B, C, or D	5 mg/L	
Total Suspended Solids		2540D	1 mg/L	
Total Dissolved Solids		2540 C		
Conductivity		2510 B		
Ammonia-N		4500-NH_3 C	20 ug/L	
pH		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 ug/L	
Ortho-phosphate-P		4500-P E or 4500-P F	1 ug/L	
Total-phosphate-P		4500-P B.4.	1 ug/L	
Total Oil & Grease		5520 C	0.2 mg/L	
Total Petroleum Hydrocarbon		5520 D, F		
Calcium		3500-Ca B	3 ug/L	
Chloride		4500-Cl C	0.15 ug/L	
Fluoride		4500-F D	0.1 mg/L	
Magnesium		3500-Mg B	0.1 ug/L	
Potassium		3500-K B	5 ug/L	
Sodium		3500-Na B	2 ug/L	
Sulfate		4500-SO_4 E	1 mg/L	
Arsenic (total)		3114 B	2 ug/L	
Barium (total)		3500-Ba B	30 ug/L	
Cadmium (total)		3500-Cd B	5 ug/L	
Chromium (total)		3500-Cr B	50 ug/L	
Copper (total)		3500-Cu B	20 ug/L	
Lead (total)		3500-Pb B	100 ug/L	
Mercury		3500-Hg B	0.2 ug/L	
Molybdenum (total)		3500-Mo	1 ug/L	
Nickel (total)		3500-Ni	20 ug/L	
Selenium (total)		3500-Se C	2 ug/L	
Silver (total)		3500-Ag B	10 ug/L	
Zinc (total)		3500-Zn B	5 ug/L	

5. Describe the collection method for the samples which were analyzed above (i.e.,. grab, 24 hour composite).

6. Has the effluent been analyzed for any other parameters than those identified in question F.4.? ☐ Yes ☐ No If yes, attach results and label as attachment E.6. This data must clearly show the date, method and location of sampling. *(Note: The City of Yakima may require additional effluent testing based on information submitted in this application.)*

7. Does this facility use any of the following chemicals as raw materials in production, 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)
Acrylonitrile (107-13-1)
Benzene (71-43-2)
Bis (*chloromethyl)* Ether (542-88-1)
Bromoform (75-25-2)
Carbon Tetrachloride (108-90-7)
Chlorobenzene (108-90-7)
Chlorodibromomethane (124-48-1)
Chloroethane (75-00-3)
2-Chloroethylvinyl Ether (110-75-8)
Chloroform (67-66-3)
Dichlorobromomethane (75-27-4)
Dichlorodifluromethane (75-71-8)
1,1-Dichloroethane (75-34-3)
1,2-Dichloroethane (107-06-2)
1,1-Dichloroethylene (75-35-4)
Vinyl Chloride (75-01-4)
1,2-Dichloropropane (78-87-5)
1,3-Dichloropropene (542-75-6)
Ethylbenzene (100-41-4)
Methyl Bromide (74-83-9)
Methyl Chloride (74-87-3)
Methylene Chloride (75-09-2)
1,1,2,2-Tetrachloroethane (79-34-5)
Tetrachloroethylene (127-18-4)
Toulene (108-88-3)
1,2-Trans-Dichloroethylene (156-60-5)
2. 1,1,1-Trichloroethane (71-55-6)
2. 1,1,2-Trichloroethane (79-00-5)
2. Trichloroethylene (79-01-6)
Trichlorofluromethane (75-69-4)

ACID COMPOUNDS

2-Chlorophenol 95-57-8
2,4-Dichlorophenol 120-83-2
2,4-Dimethylphenol 105-67-9
4,6-Dinitro-o-cresol 534-52-1
2,4-Dinitrophenol 51-28-5
2-Nitrophenol 88-75-5
4-Nitrophenol 100-02-7
p-Chloro-m-cresol 59-50-7
Pentachlorophenol 87-86-5
Phenol 108-95-2

2,4,6-Trichlorophenol 88-06-2

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
Acenapthylene 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

8. Are any other pesticides, herbicides or fungicides used at this facility? ☐Yes ☐No
If yes, specify the material and quantity used._____

_____

_____

_____

_____

9. Does the wastewater being discharged, or proposed for discharge to the POTW designate 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? 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)456-2926

SECTION G. OTHER PERMITS

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

_____

_____

_____

_____

_____

SECTION H. STORMWATER

1. Do you have a Washington State Stormwater Baseline General Permit? ☐ Yes ☐ No
   If yes, please list the permit number here._____
2. Have you applied for a Washington State Stormwater Baseline General Permit? ☐ Yes ☐ No

3. Do you have any stormwater quality or quantity data? ☐ Yes ☐ No

Note: If you answered "no" to questions 1 or 2 above, complete questions 4 through 8.

4. Describe the size of the stormwater collection area.

   a. Unpaved Area _____ sq.ft.
   b. Paved Area _____ sq.ft.
   c. Other Collection Areas (Roofs)_____ sq.ft.

5. Does your facility's stormwater discharge to: *(Check all that apply)*

   ☐☐Storm sewer system; name of storm sewer system *(operator)*:_____
   ☐☐Directly to surface waters of Washington State *(e.g., river, lake, creek, estuary, ocean)*. Specify waterbody name _____
   ☐☐Indirectly to surface waters of Washington State *(i.e., flows over adjacent properties first)*.
   ☐☐Directly to ground waters of Washington State:
      ☐☐dry well
      ☐☐drainfield
      ☐☐other
   ☐☐Sanitary Sewer

6. 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 _____

7. Material handling/management practices

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

   ☐☐Solvents
   ☐☐Scrap Metal
   ☐☐Petroleum or Petrochemical Products
   ☐☐Plating Products
   ☐☐Pesticides
   ☐☐Hazardous Wastes
   ☐☐Acids or Alkalies
   ☐☐Paints/Coatings
   ☐☐Woodtreating Products
   ☐☐Other *(please list)*:

b. Identify existing management practices employed to reduce pollutants in industrial storm water 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)*:

8. **Include all stormwater system components in the facility site map** showing stormwater drainage/collection areas, disposal areas, discharge points.

SECTION I. OTHER INFORMATION

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

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

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

SECTION J. CERTIFICATIONS

1. 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 Date Title

_____

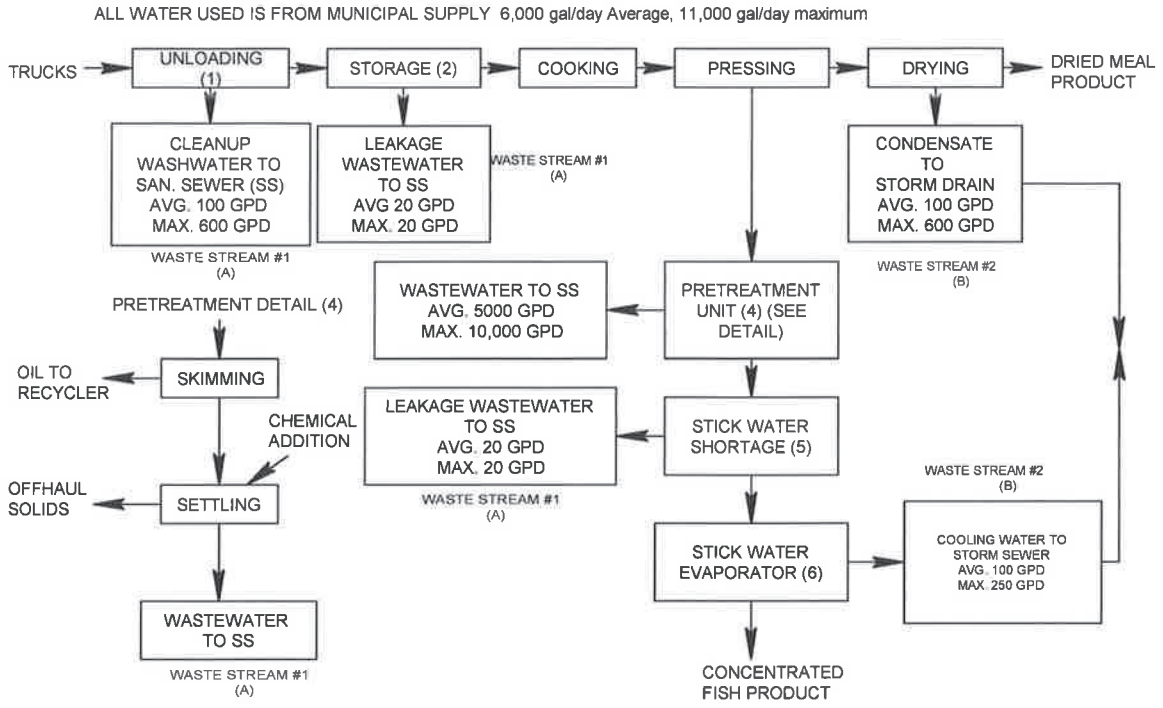
Printed Name

Application must be complete to begin the review process

Summary of Attachments That May be Required for This Application:
(Please check those attachments which are included)

☐ B.2 Additional Raw Material
☐ C.2 Production schematic flow diagram and water balance
☐ F.1 Facility site map including stormwater drainage map
☐ E.6 Additional parameter data sheet

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



Example 2 for application section F.1 (BASIC FACILITY SITE MAP)