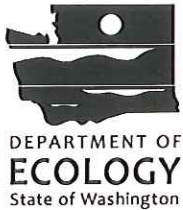


AUG 31 2022

DEPARTMENT OF ECOLOGY



Application for a State Waste Discharge Permit to Discharge Industrial Wastewater to Ground Water by Land Treatment or Application

This application is for a state waste discharge permit as required by Chapter 90.48 RCW and Chapter 173-216 WAC. Permit applications provide Ecology with information on pollutants in the waste stream, materials that may enter the waste stream, the flow characteristics of the discharge, and the site characteristics at the point of discharge.

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: Hannegan Properties LLC
2. Facility name:
(if different from applicant) _____
3. Applicant mail address: 6069 Hannegan Road
Street
Bellingham, WA 98226
City/State Zip
4. Facility location address:
(if different from above) _____
Street

City/State Zip
5. UBI No. 601 961 234 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 processing facility as decimal degrees (NAD83/WGS84):
48.859 / -122.444

FOR ECOLOGY USE ONLY

Check One

New/Renewal

☐

Modification

☐

Date application received

Application/Permit no.

Date application accepted

Date fee paid

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

Jacob Adie Controller
Name Title
360 715 1994 Ext 3
Telephone number Fax number

8. 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: _____

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.

Jacob Adie 08/22/22 Controller
Signature* Date Title

Jacob Adie
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 followings:

Andy Vitalje 08/24/22 Owner
Signature of delegated employee Date Title or function at the facility
Andy Vitalje
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/epcd/naics/frames3.htm>).

Description:

Seafood Product Preparation + Packaging NAIC 311710, SIC 2092 2091
 Receive salmon / whitefish offcuts / byproducts from local processors, grind into
 pet food, freeze pet food.
 Fillet H&G salmon

- List raw materials and products:

Type	RAW MATERIALS	Quantity
Potatoes (Example)		20 million tons per year
Salmon Heads / Frames / Trims / Viscera		16,300,000 lbs annually
Whitefish Trim / Frames / Heads		6,900,000 lbs annually
Salmon - Head & Gutted		240,000 lbs annually
Type	PRODUCTS	Quantity
French fries (Example)		10 million pounds per year
Ground Frozen Salmon		20,100,000 lbs annually
Ground Frozen Whitefish		6,600,000 lbs annually
Salmon Fillets		200,000 lbs annually

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 ID #, and describe whether it is a batch or continuous flow.

Process	Waste Stream Name	Waste Stream ID#	Batch (B) or Continuous (C) Process
Receiving raw potatoes (Example)	Mud Water	1	C
Cleaning + Sanitation	Sanitation	1	B

2. On a separate sheet, produce a schematic drawing showing production processes and water flow through the facility and wastewater treatment devices (*label as attachment C2*). The drawing should indicate the source of intake water and the operations contributing wastewater to the effluent and should label the treatment units. Construct the water balance by showing average flows between intakes, operations, treatment units, and points of discharge to land. If a water balance cannot be determined (*e.g., for certain mining activities*), provide a description of the nature and amount of any sources of water and any collection or treatment measures. Attached

3. What is the highest daily discharge flow from the processing facility:
(Specify the time period for the value given)

28,000 gallons per day

What is the highest daily discharge flow to the sprayfields/infiltration basin:
(Specify the time period for the value given)

31,000 inches/acre/month OR
gallons per day

What is the highest average monthly discharge flow (daily flows averaged over a month) from the processing facility:
(Specify the time period for the value given)

574,200 gallons/day?
gallons per month in
September

What is the highest average monthly discharge flow to the sprayfields:
(Specify the time period for the value given)

31,300 inches/acre/month OR
gallons per day

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

Attached

5. If production processes are subject to seasonal variations, provide the following information. List discharge for each wastestream in gallons or million gallons per month. The combined value for each month should equal the estimated total monthly flow. Please indicate the proper 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 (Example)	1000	1000	1000	1000	6000	2000	2000	2000	1000	1000	5000	4000
i	.381	.382	.384	.385	.387	.388	.390	.391	.574	.576	.578	.432
Estimated total gallons												

6. If this is a discharge from the processing facility to a storage or evaporative lagoon, what is the size of the lagoon (give square footage for the bottom of the lagoon and the total volume of the lagoon at full operating depth). 10,000 square feet; 10 million gallons (Example)

200' x 175' x 8' 1,500,000 gallon capacity

7. Check the applicable box. Is this a discharge to a sprayfield ☒ or an infiltration bed ☐? Provide the average gallons per acre per day proposed for each month in the following table.

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.	Oct	Nov	Dec
Estimated gallons per acre per day	0	0	0	2,052	2,052	2,052	2,052	2,052	2,052	2,052	0	0

8. 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? _____

Off-season: 10
Peak season: 18
5
6
52
52

9. 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 pound quantities for solids). For solvents and solvent-based cleaners, include a copy of the material safety data sheet for each material and estimate the quantity used. Use additional sheets, if necessary and label as attachment C.7.)

Peak season: Aug - Nov

Off-season: Dec - July

SECTION D. WATER CONSUMPTION AND WATER LOSS

1. Potable water source(s):

☐ ☐ Public system (Specify name) _____

☒ ☐ Private well

☐ Surface water (Specify name of water body) _____

a. Water right permit number: _____

b. Legal description of water source:

NE $\frac{1}{4}$ S, NE $\frac{1}{4}$ S, 20, Section, 39 TWN, 03 R

2. Potable water use

a. Indicate total water use: Gallons per day (average) 23,000

Gallons per day (maximum) 25,000

b. Is water metered?

☒ YES ☐ NO

3. Supplemental Irrigation water source(s):

☐ ☐ Public system or Irrigation District (Specify name) _____

☐ ☐ Private well

☐ Surface water (Specify name of water body) _____

a. Water right permit number: _____

b. Legal description of water source:

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

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SECTION G. SITE ASSESSMENT

The local library and local city or county planning offices may be helpful in providing the information required in this section. You may consult the Department of Ecology Water Resources Program to help identify wells within one mile of your site.

1. Land Application Sites: Provide the information below for each land application site. Provide the latitude/longitude (approximate center of the site; NAD83/WGS84 reference datum.) Attach a copy of the contract(s) authorizing use of any private land(s) used for each treatment site. Add table rows as necessary.

Legal Description (section/township/range)			
Latitude	Longitude	Acreage	Owner
Legal Description (section/township/range)			
Latitude	Longitude	Acreage	Owner
Legal Description (section/township/range)			
Latitude	Longitude	Acreage	Owner
Legal Description (section/township/range)			
Latitude	Longitude	Acreage	Owner

2. If this is a new discharge, list all environmental control permits or approvals needed for this project; for example, SEPA review, engineering reports, hydrogeologic reports, , , or air emissions permits.

N/A no new discharge

3. Attach an original United States Geological Survey (USGS) 7.5 minute topographic map and aerial photograph(s) from an internet mapping site that shows the processing facility and sprayfield site(s). **USGS topographical maps are available from the Department of Natural Resources (360 902-1234), Metsker Maps (206 588-5222), some local bookstores, and internet sites.** Show the following on this map:
 - a. Location and name of internal and adjacent streets.
 - b. Surface water drainage systems within ¼ mile of the site.
 - c. All wells within 1 mile of the site.
 - d. Wastewater discharge points.
 - e. Land uses and zoning adjacent to the wastewater application site.
 - f. Groundwater gradient.
4. Describe the soils on the site using information from local soil survey reports. **Soils information is available from your local County Conservation District or from information contained in the sites hydrogeologic report.** *(Submit on separate sheet and label as attachment G.4.)*
5. Describe the local geology and hydrogeology within one mile of the site. Include any groundwater quality data. **The local library or local Soil Conservation Service may have this information.** *(Submit on separate sheet and label as attachment G.5.)*
6. List the names and addresses of contractors or consultants who provided information and cite sources of information by title and author.

Aquacore Environment Inc "Wastewater treatment system"

SECTION I. OTHER INFORMATION

1. Describe liquid or solid wastes generated that are not disposed of in the waste stream(s) and describe the method of disposal. For each type of waste, provide type of waste, name, address, and phone number of hauler.

Bio reactor is pumped for sludge periodically,

Type: Sludge

Hauler: Bayside Services, 4717 Hannegan Rd, Bellingham, WA 98226
(360) 671-2527

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

Raw Materials: Come in insulated totes from processors. Stored in the cooler room in the plant.

Products: Palletized, stored in freezers onsite until shipped out

Wastes: Sludge: stored in bio reactor, pumped out by bayside

Scrap: floor scrap stored in totes in container until Pacific Gro takes it for fertilizer.

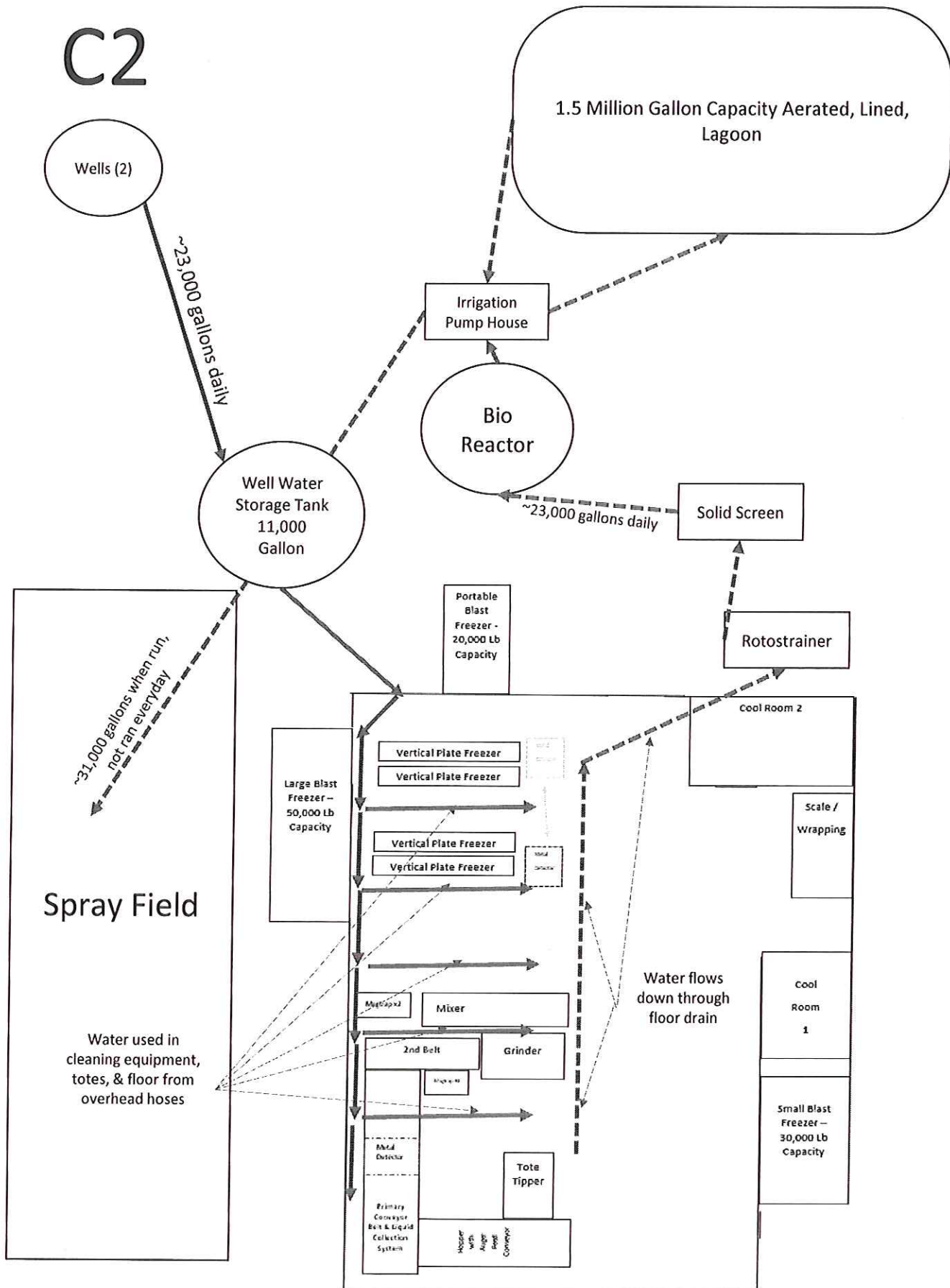
Summary of attachments that may be required for this application:

(Please check those attachments that are included)

- ☒ C.2. Production schematic flow diagram and water balance
- ☒ C.4. Wastewater treatment improvements
- ☐ C.7. Additional incidental materials
- ☐ E.4. Additional results of effluent testing
- ☐ G.1. Copies of land use contracts
- ☐ G.3. USGS topographical map
- ☐ G.4. Soils description
- ☐ G.5. Local geology and hydrology
- ☐ H.8. 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.

C2



C4 Schedule of Additional Improvements and Changes

The company is evaluating a Containerized Alpha 10 DAF unit manufactured by H2Flow Equipment Inc. for purchase which is currently onsite at Hannegan Properties. This piece of equipment was recommended by our third party wastewater management providers, Cesco, to reduce the BOD load in our wastewater. This machine pushes polymers up through the wastewater using pressurized air. The polymers bind solid waste particles in the water and float them to the top of the tank, after which a skimmer separates the solid waste for removal into a waste tank. Cesco expects the machine would reduce our BOD load by 90%.

We are waiting for their treatment plan to take effect in our existing bio-reactor and lagoon to see if the DAF unit is a necessary addition to the wastewater treatment approach. The bio-reactors microbiological health has been ignored during 2022, and we are optimistic if Cesco manages the health of the reactor this machine will be unnecessary. It has been retained on site as a contingency. Cesco will begin management of the wastewater system September 2022, per the signed agreement.