



DEPARTMENT OF THE NAVY
PUGET SOUND NAVAL SHIPYARD
AND INTERMEDIATE MAINTENANCE FACILITY
1400 FARRAGUT AVENUE STOP 2090
BREMERTON WASHINGTON 98314-2090

IN REPLY REFER TO:

5090

Ser 106.32/094

12 MAY 2020

Maia Hoffman
Permit Manager
Washington Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

Dear Ms. Hoffman:

Puget Sound Naval Shipyard and Intermediate Maintenance Facility is hereby providing a State Waste Discharge Permit Application for the discharge from a process to train personnel on how to hydrolance heat exchanger tubing. We provided a comment to the draft State Waste Discharge Permit in November 2019 to have this process added to the permit.

If you have any questions, please contact Mr. Duy Pham, State Waste Discharge Permit Program Manager (Code 106.32), at (360) 476-0122.

Sincerely,

C. S. MATHESON

Deputy Director
Environment, Safety, and
Health Office
By direction of the Commander

Enclosure: 1. State Waste Discharge Permit Application for Heat Exchanger Hydrolance Training

Copy to:
City of Bremerton (Eric Burris)

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
Heat Exchanger Hydrolance Training	Heat Exchanger Hydrolance Training Wastewater	38-Pier 6-001	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.) See attached diagram

3. What is the maximum daily wastewater discharge flow? See attached diagram.

- What is the maximum average monthly wastewater discharge flow (daily flows averaged over a month)? See attached diagram.

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.) **None**

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

[illegible]

6. How many hours a day does this facility typically operate? See General PSNS & IMF Application.
How many days a week does this facility typically operate? See General PSNS & IMF Application.
How many weeks per year does this facility typically operate? See General PSNS & IMF Application.
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: None.
8. Some types of facilities are required to have spill or waste control plans. Does this facility have: See General PSNS & IMF Application.

SECTION E. WASTEWATER INFORMATION

1. How are the water intake and effluent flows measured? Discharge flows are estimated based on 13 gpm flow rate.
Intake:
Effluent:
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 40 CFR 122.26 (d)(2)(iii)(A)(3)), or volatile organics. N/A
3. Has the effluent been analyzed for any other parameters than those identified in question E.4.?
☐ Yes ☐ No ☐ N/A
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 , EPA 20 th edition or	Detection Limit/Quantitation Level
		Minimum	Maximum	Average			
	Salinity					2520 B	
	Conductivity					2510 B	
	pH					4500-H	0.1 units
	Total Oil & Grease					EPA 1664B	5 mg/l
	Total Petroleum					EPA 1664B	5 mg/l
	Hydrocarbon					EPA 1664B	5 mg/l
	Arsenic (total)					EPA 200.7	2 µg/l
	Barium (total)					EPA 200.7	30 µg/l
	Cadmium (total)					EPA 200.7	5 µg/l
	Chromium (total)					EPA 200.7	5 µg/l
	Copper (total)					EPA 200.7	50 µg/l
	Lead (total)					EPA 200.7	50 µg/l
	Mercury					EPA 245.1	0.4 µg/l
	Nickel (total)					EPA 200.7	50 µg/l
	Silver (total)					EPA 200.7	50 µg/l
	Zinc (total)					EPA 200.7	50 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
- If yes, specify how the chemical is used and the quantity used or produced:

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

See General PSNS & IMF Application.

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

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. **None**

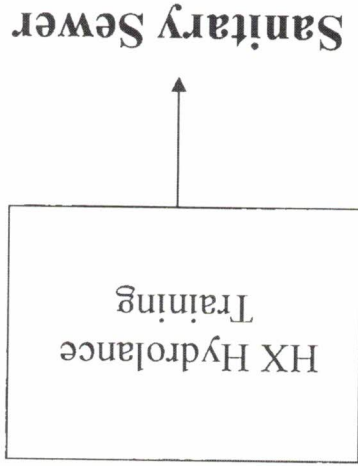
2. Describe storage areas for raw materials, products, and wastes. **Raw materials, products, and wastes are stored per the SWDP's BMP Plan.**

3. Have you designated the wastes described above according to the applicable procedures of Dangerous Waste Regulations, Chapter 173-303 WAC? **N/A**

☐ Yes ☐ No

Pier 6 Shop 38 Waste Stream 38-Pier 6-001 Heat Exchanger Hydrolance Training

Fresh water is used to hydrolance new stainless steel heat exchanger tubing for training. Wastewater will be filtered through 1-micron filter. Metals are not expected to be in the wastewater since the heat exchanger is stainless and the wastewater will be filtered. There will be about 30 days of training per year. There will be a small amount of wastewater with residual oil droplets from the pump, no more than 3 gallons per day, that will be collected separately for treatment at the Oily Water Treatment Systems.



Estimated Discharge:

2,700 gallons per day maximum
1,800 gallons per day average

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 Bremerton
Street: 1600 Oyster Bay Ave. S.
City/State: Bremerton, WA
Signature of Treatment Works Authority: [Signature]
Printed Name: Eric J. Burris
Date: June 3, 2020
Title: Wastewater Manager
Zip: 98312

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: _____